Self-Assembled Monolayers of Thiolates on Metals as a

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Citation Report

#	Article	IF	CITATIONS
16	Structural and Chemical Characterization of Monofluoro-Substituted Oligo(phenyleneâ^'ethynylene) Thiolate Self-Assembled Monolayers on Gold. Langmuir, 2004, 20, 6195-6205.	1.6	37
17	Monolayer-protected nanoparticle–protein interactions. Current Opinion in Chemical Biology, 2005, 9, 639-646.	2.8	100
18	Solvent dependent dimercaptothiadiazole monolayers on gold electrode for the simultaneous determination of uric acid and ascorbic acid. Electrochemistry Communications, 2005, 7, 1271-1276.	2.3	36
19	Surface-Enhanced Raman Spectroscopy. Analytical Chemistry, 2005, 77, 338 A-346 A.	3.2	995
20	Covalent Bonding of Alkene and Alkyne Reagents to Graphitic Carbon Surfaces. Langmuir, 2005, 21, 11105-11112.	1.6	34
21	Selective Nucleation and Growth of Metalâ^'Organic Open Framework Thin Films on Patterned COOH/CF3-Terminated Self-Assembled Monolayers on Au(111). Journal of the American Chemical Society, 2005, 127, 13744-13745.	6.6	535
22	A perspective on surfaces and interfaces. Nature, 2005, 437, 638-639.	13.7	66
23	Engineering Silicon Oxide Surfaces Using Self-Assembled Monolayers. Angewandte Chemie - International Edition, 2005, 44, 6282-6304.	7.2	655
25	Freestanding Nanosheets from Crosslinked Biphenyl Self-Assembled Monolayers. Advanced Materials, 2005, 17, 2583-2587.	11.1	156
26	Self-Assembled Monolayers of Thiolates on Metals as a Form of Nanotechnology. ChemInform, 2005, 36, no.	0.1	6
28	Microvia Filling over Self-Assembly Disulfide Molecule on Au and Cu Seed Layers. Electrochemical and Solid-State Letters, 2005, 8, C161.	2.2	34
29	Making Things by Self-Assembly. MRS Bulletin, 2005, 30, 736-742.	1.7	167
30	Synthesis and characterization of photolabile aminoterpolymers for covalent attachment onto gold substrates. Designed Monomers and Polymers, 2005, 8, 629-644.	0.7	4
31	The directional contact distance of two ellipsoids: Coarse-grained potentials for anisotropic interactions. Journal of Chemical Physics, 2005, 123, 194111.	1.2	58
32	Theoretical Study of Ethynylbenzene Adsorption on Au(111) and Implications for a New Class of Self-Assembled Monolayer. Journal of Physical Chemistry B, 2005, 109, 20387-20392.	1.2	62
33	New Approaches to Nanofabrication:  Molding, Printing, and Other Techniques. Chemical Reviews, 2005, 105, 1171-1196.	23.0	1,853
34	Thioctic acid amides: convenient tethers for achieving low nonspecific protein binding to carbohydrates presented on gold surfaces. Chemical Communications, 2005, , 3334.	2.2	44
35	Electrochemical Self-Assembly of Alkanethiolate Molecules on Ni(111) and Polycrystalline Ni Surfaces. Journal of Physical Chemistry B, 2005, 109, 23450-23460.	1.2	42

#	Article	IF	CITATIONS
36	Monolayers of Diphenyldiacetylene Derivatives:Â Tuning Molecular Tilt Angles and Photopolymerization Efficiency via Electrodeposited Ag Interlayer on Au. Journal of Physical Chemistry B, 2005, 109, 19161-19168.	1.2	33
37	Orientation and Mg Incorporation of Calcite Grown on Functionalized Self-Assembled Monolayers:  A Synchrotron X-ray Study. Crystal Growth and Design, 2005, 5, 2139-2145.	1.4	30
38	High Resolution Printing of DNA Feature on Poly(methyl methacrylate) Substrates Using Supramolecular Nano-Stamping. Journal of the American Chemical Society, 2005, 127, 16774-16775.	6.6	49
39	β-1,3-Glucan polysaccharides as novel one-dimensional hosts for DNA/RNA, conjugated polymers and nanoparticles. Chemical Communications, 2005, , 4383.	2.2	116
40	Study of the Kinetics of the Pancake-to-Brush Transition of Poly(N-isopropylacrylamide) Chains. Journal of Physical Chemistry B, 2005, 109, 22603-22607.	1.2	69
41	Surface-Enhanced Infrared Ellipsometry of Self-Assembled Undecanethiol and Dodecanethiol Monolayers on Disordered Gold Nanoisland Substrates. Journal of Physical Chemistry B, 2005, 109, 20914-20922.	1.2	16
42	Directed Assembly of Au Nanoparticles onto Planar Surfaces via Multiple Hydrogen Bonds. Langmuir, 2005, 21, 8414-8421.	1.6	83
43	3-Methylthiophene Self-Assembled Monolayers on Planar and Nanoparticle Au Surfaces. Journal of Physical Chemistry B, 2005, 109, 19397-19402.	1.2	31
44	Patterned Growth of Large Oriented Organic Semiconductor Single Crystals on Self-Assembled Monolayer Templates. Journal of the American Chemical Society, 2005, 127, 12164-12165.	6.6	229
45	Structure oftert-Butyl Carbamate-Terminated Thiol Chemisorbed to Gold. Journal of Physical Chemistry B, 2005, 109, 16040-16046.	1.2	8
46	In-Plane Enyne Metathesis and Subsequent Dielsâ^'Alder Reactions on Self-Assembled Monolayers. Langmuir, 2005, 21, 10311-10315.	1.6	10
48	Electrochemical, Magnetic, and Electrical Properties of α,ω-Capped Sexithiophene Films. 1. Neutralâ^'Polaron and Polaronâ^'Bipolaron Conductivities. Chemistry of Materials, 2005, 17, 6492-6502.	3.2	33
49	Dodecanethiol-Protected Copper/Silver Bimetallic Nanoclusters and Their Surface Properties. Journal of Physical Chemistry B, 2005, 109, 22228-22236.	1.2	47
50	Highly reproducible hybridization assay of zeptomole DNA based on adsorption of nanoparticle-bioconjugate. Analyst, The, 2005, 130, 1589.	1.7	15
51	Self-assembled monolayers of alkanethiols on Au(111): surface structures, defects and dynamics. Physical Chemistry Chemical Physics, 2005, 7, 3258.	1.3	299
52	Nucleic acid biosensors based upon surface-assembled monolayers: exploiting and enhancing materials properties. Journal of Materials Chemistry, 2005, 15, 4876.	6.7	19
53	Preparation of Alkanethiol Monolayers on Mild Steel Surfaces Studied with Sum Frequency Generation and Electrochemistry. Journal of Physical Chemistry B, 2005, 109, 15520-15530.	1.2	42
54	A Facile Synthesis Route to Thiol-Functionalized α,ω-Telechelic Polymers via Reversible Addition Fragmentation Chain Transfer Polymerization. Macromolecules, 2005, 38, 8597-8602.	2.2	134

#	Article	IF	CITATIONS
55	pH-Controlled Switching of Photocurrent Direction by Self-Assembled Monolayer of Helical Peptides. Journal of the American Chemical Society, 2005, 127, 14564-14565.	6.6	78
56	Copper(II) Nanosensor Based on a Gold Cysteamine Self-Assembled Monolayer Functionalized with Salicylaldehyde. Analytical Chemistry, 2006, 78, 4957-4963.	3.2	90
57	Time-Dependent Organization and Wettability of Decanethiol Self-Assembled Monolayer on Au(111) Investigated with STM. Journal of Physical Chemistry B, 2006, 110, 1794-1799.	1.2	39
58	Structure, Bonding Nature, and Binding Energy of Alkanethiolate on As-Rich GaAs (001) Surface:Â A Density Functional Theory Study. Journal of Physical Chemistry B, 2006, 110, 23619-23622.	1.2	31
59	Nano-structured micropatterns by combination of block copolymer self-assembly and UV photolithography. Nanotechnology, 2006, 17, 5027-5032.	1.3	62
60	Ultrastable Substrates for Surface-Enhanced Raman Spectroscopy:Â Al2O3Overlayers Fabricated by Atomic Layer Deposition Yield Improved Anthrax Biomarker Detection. Journal of the American Chemical Society, 2006, 128, 10304-10309.	6.6	395
61	Methanethiolate Adsorption Site on Au(111):Â A Combined STM/DFT Study at the Single-Molecule Level. Journal of Physical Chemistry B, 2006, 110, 21161-21167.	1.2	75
62	Direct Observation of Surface-Mediated Thioacetyl Deprotection:Â Covalent Tethering of a Thiol-Terminated Porphyrin to the Ag(100) Surface. Journal of the American Chemical Society, 2006, 128, 9578-9579.	6.6	20
63	Mixed Azide-Terminated Monolayers:Â A Platform for Modifying Electrode Surfaces. Langmuir, 2006, 22, 2457-2464.	1.6	354
64	Adsorption and dimerisation of thiol molecules on Au(111) using a <i>Z</i> -matrix approach in density functional theory. Molecular Simulation, 2006, 32, 1219-1225.	0.9	20
65	From Homoligand- to Mixed-Ligand- Monolayer-Protected Metal Nanoparticles:Â A Scanning Tunneling Microscopy Investigation. Journal of the American Chemical Society, 2006, 128, 11135-11149.	6.6	183
66	Gold-Adatom-Mediated Bonding in Self-Assembled Short-Chain Alkanethiolate Species on the Au(111) Surface. Physical Review Letters, 2006, 97, 146103.	2.9	425
69	Surface Microscopic Structure and Electrochemical Rectification of a Branched Alkanethiol Self-Assembled Monolayer. Journal of Physical Chemistry B, 2006, 110, 1102-1106.	1.2	37
70	First-principles study of charge transport across alkene thiolate self-assembled monolayers. , 2006, , .		0
71	Electrochemically deposited Pd islands on an organic surface: the presence of Coulomb blockade in STM I(V) curves at room temperature. Physical Chemistry Chemical Physics, 2006, 8, 3375-3378.	1.3	40
72	Multilayer films based on host–guest interactions between biocompatible polymers. Chemical Communications, 2006, , 3220-3222.	2.2	55
73	Formation and removal of alkylthiolate self-assembled monolayers on gold in aqueous solutions. Lab on A Chip, 2006, 6, 289.	3.1	41
74	Room temperature thermal conductance of alkanedithiol self-assembled monolayers. Applied Physics Letters, 2006, 89, 173113.	1.5	159

#	Article	IF	CITATIONS
75	Implementation of aZ-matrix approach within the SIESTA periodic boundary conditions code and its application to surface adsorption. Molecular Simulation, 2006, 32, 595-600.	0.9	11
76	Novel 3,4-disubstituted thiophenes for weak passivation of Au nanoparticles. Journal of Experimental Nanoscience, 2006, 1, 143-164.	1.3	3
77	Reactivity in organised assemblies. Annual Reports on the Progress of Chemistry Section B, 2006, 102, 357.	0.8	6
78	Assembled monolayers of Mo3S44+ clusters on well-defined surfaces. Dalton Transactions, 2006, , 3985.	1.6	31
79	In situ observation of place exchange reactions of gold nanoparticles. Correlation of monolayer structure and stability. Chemical Communications, 2006, , 2347-2349.	2.2	52
80	Novel tripod ligands for prickly self-assembled monolayers. Dalton Transactions, 2006, , 2767-2777.	1.6	57
81	Sieving behaviour of nanoscopic pores by hydrated ions. Chemical Communications, 2006, , 2167.	2.2	1
82	Exposure of Monomolecular Lithographic Patterns to Ambient:Â An X-ray Photoemission Spectromicroscopy Study. Journal of Physical Chemistry B, 2006, 110, 17878-17883.	1.2	19
83	Self-Assembly of C60 π-Extended Tetrathiafulvalene (exTTF) Dyads on Gold Surfaces. Langmuir, 2006, 22, 10619-10624.	1.6	13
84	Exploring Three-Dimensional Nanosystems with Raman Spectroscopy:Â Methylene Blue Adsorbed on Thiol and Sulfur Monolayers on Gold. Journal of Physical Chemistry B, 2006, 110, 354-360.	1.2	43
85	Stabilization of α-chymotrypsin at air–water interface through surface binding to gold nanoparticle scaffolds. Soft Matter, 2006, 2, 558-560.	1.2	43
86	Ion recognition properties of self-assembled monolayers (SAMs). Chemical Communications, 2006, , 4461.	2.2	95
87	Structural and kinetic properties of laterally stabilized, oligo(ethylene glycol)-containing alkylthiolates on gold: A modular approach. Biointerphases, 2006, 1, 22-34.	0.6	12
88	Electrochemistry Using Self-Assembled DNA Monolayers on Highly Oriented Pyrolytic Graphite. Langmuir, 2006, 22, 7917-7922.	1.6	75
89	Engineering the nanoparticle–biomacromolecule interface. Soft Matter, 2006, 2, 190.	1.2	127
90	Rate of Interfacial Electron Transfer through the 1,2,3-Triazole Linkage. Journal of Physical Chemistry B, 2006, 110, 15955-15962.	1.2	121
91	THE APPLICATION OF GOLD SURFACES AND PARTICLES IN NANOTECHNOLOGY. Surface Review and Letters, 2006, 13, 297-307.	0.5	30
92	Efficient and Convenient Synthesis of β-Vinyl Sulfides in Nickel-Catalyzed Regioselective Addition of Thiols to Terminal Alkynes under Solvent-Free Conditions. Organometallics, 2006, 25, 1970-1977.	1.1	108

#	Article	IF	CITATIONS
93	Resolving Electron Transfer Kinetics at the Nanocrystal/Solution Interface. Journal of the American Chemical Society, 2006, 128, 4922-4923.	6.6	11
94	Template-Assisted Patterning of Nanoscale Self-assembled Monolayer Arrays on Surfaces. Langmuir, 2006, 22, 8078-8082.	1.6	20
95	Maximizing DNA Loading on a Range of Gold Nanoparticle Sizes. Analytical Chemistry, 2006, 78, 8313-8318.	3.2	1,019
96	Synthetic architecture of interior space for inorganic nanostructures. Journal of Materials Chemistry, 2006, 16, 649-662.	6.7	457
97	Electron transport and redox reactions in carbon-based molecular electronic junctions. Physical Chemistry Chemical Physics, 2006, 8, 2572.	1.3	74
98	Differential Labeling of Closely Spaced Biosensor Electrodes via Electrochemical Lithography. Langmuir, 2006, 22, 1932-1936.	1.6	29
99	Multi[2]rotaxanes with Gold Nanoparticles as Centers. Organic Letters, 2006, 8, 1267-1270.	2.4	23
100	Electronic and Geometric Characterization of thel-Cysteine Paired-Row Phase on Au(110). Langmuir, 2006, 22, 11193-11198.	1.6	40
101	Topography Printing to Locally Control Wettability. Journal of the American Chemical Society, 2006, 128, 7730-7731.	6.6	75
102	Surface characterization of sulfur and alkanethiol self-assembled monolayers on Au(111). Journal of Physics Condensed Matter, 2006, 18, R867-R900.	0.7	163
103	Electron Transport through Rectifying Self-Assembled Monolayer Diodes on Silicon:Â Fermi-Level Pinning at the Moleculeâ^'Metal Interface. Journal of Physical Chemistry B, 2006, 110, 13947-13958.	1.2	76
104	In Vivo Glucose Measurement by Surface-Enhanced Raman Spectroscopy. Analytical Chemistry, 2006, 78, 7211-7215.	3.2	331
105	A Comprehensive Study of Self-Assembled Monolayers of Anthracenethiol on Gold:Â Solvent Effects, Structure, and Stability. Journal of the American Chemical Society, 2006, 128, 1723-1732.	6.6	150
106	Alkanethiol Monolayers at Reduced and Oxidized Zinc Surfaces with Corrosion Proctection:Â A Sum Frequency Generation and Electrochemistry Investigation. Journal of Physical Chemistry B, 2006, 110, 24062-24069.	1.2	33
107	Electrochemically Partitioned Assembly of Organosulfur Monolayers and Nanoparticles. Journal of Physical Chemistry B, 2006, 110, 20386-20391.	1.2	20
108	Theoretical Study of the Effect of Surface Density on the Dynamics of Ar + Alkanethiolate Self-Assembled Monolayer Collisionsâ€. Journal of Physical Chemistry A, 2006, 110, 1319-1326.	1.1	41
109	Adsorption of Polymeric Micelles and Vesicles on a Surface Investigated by Quartz Crystal Microbalance. Journal of Physical Chemistry B, 2006, 110, 21055-21059.	1.2	29
110	Molecular conformation changes in alkylthiol ligands as a function of size in gold nanoparticles: X-ray absorption studies. Physical Review B, 2006, 74, .	1.1	19

#	Article	IF	CITATIONS
111	Thermal Behavior of Perfluoroalkylsiloxane Monolayers on the Oxidized Si(100) Surface. Langmuir, 2006, 22, 2726-2730.	1.6	35
112	Side-by-Side Characterization of Electron Tunneling through Monolayers of Isomeric Molecules:Â A Combined Experimental and Theoretical Study. Journal of Physical Chemistry B, 2006, 110, 24797-24801.	1.2	10
113	Protein Interactions with Self-Assembled Monolayers Presenting Multimodal Ligands:Â A Surface Plasmon Resonance Study. Langmuir, 2006, 22, 10152-10156.	1.6	24
114	Self-Assembled Monolayers on Pt(111):Â Molecular Packing Structure and Strain Effects Observed by Scanning Tunneling Microscopy. Journal of the American Chemical Society, 2006, 128, 5745-5750.	6.6	26
115	Direct Preparation and Patterning of Iron Oxide Nanoparticles via Microcontact Printing on Silicon Wafers for the Growth of Single-Walled Carbon Nanotubes. Chemistry of Materials, 2006, 18, 4109-4114.	3.2	42
116	Water Exclusion at the Nanometer Scale Provides Long-Term Passivation of Silicon (111) Grafted with Alkyl Monolayers. Journal of Physical Chemistry B, 2006, 110, 5576-5585.	1.2	54
117	Tuning Moleculeâ^'Surface Interactions with Sub-Nanometer-Thick Covalently Bound Organic Monolayers. Journal of Physical Chemistry B, 2006, 110, 11334-11343.	1.2	2
118	Preparation and Structure of a Low-Density, Flat-Lying Decanethiol Monolayer from the Densely Packed, Upright Monolayer on Gold. Langmuir, 2006, 22, 174-180.	1.6	19
119	Interpretation of Stochastic Events in Single Molecule Conductance Measurements. Nano Letters, 2006, 6, 2362-2367.	4.5	115
120	Self-Assembled Monolayers of Ferrocene-Substituted Biphenyl Ethynyl Thiols on Gold. Journal of Physical Chemistry B, 2006, 110, 24621-24628.	1.2	47
121	Ion Permeability of SAMs on Nanoparticle Surfaces. Journal of the American Chemical Society, 2006, 128, 14341-14346.	6.6	27
122	Controlled Assembly of 1,4-Phenylenedimethanethiol Molecular Nanostructures. Chemistry of Materials, 2006, 18, 2376-2380.	3.2	14
123	Câ^'H···F Hydrogen Bonding: The Origin of the Self-Assemblies of Bis(2,2'-difluoro-1,3,2-dioxaborine). Langmuir, 2006, 22, 4750-4757.	1.6	35
124	Au Nanoparticles Encapsulated in Ru Carbonyl Carboxylate Shells. Langmuir, 2006, 22, 7861-7866.	1.6	16
125	Towards Combined Electrochemistry and Surface-Enhanced Resonance Raman of Heme Proteins:Â Improvement of Diffusion Electrochemistry of Cytochromecat Silver Electrodes Chemically Modified with 4-Mercaptopyridine. Analytical Chemistry, 2006, 78, 5622-5625.	3.2	28
126	Room-Temperature Isolation of V(benzene)2Sandwich Clusters via Soft-Landing inton-Alkanethiol Self-Assembled Monolayers. Journal of Physical Chemistry B, 2006, 110, 16008-16017.	1.2	49
127	Dynamic and Collective Electrochemical Responses of Tetrathiafulvalene Derivative Self-Assembled Monolayers. Journal of Physical Chemistry B, 2006, 110, 20401-20408.	1.2	29
128	Seeded Growth of Asymmetric Binary Nanocrystals Made of a Semiconductor TiO2Rodlike Section and a Magnetic γ-Fe2O3Spherical Domain. Journal of the American Chemical Society, 2006, 128, 16953-16970.	6.6	163

ARTICLE IF CITATIONS Optically Transparent Au{111} Substrates: A Flat Gold Nanoparticle Platforms for High-Resolution 129 47 6.6 Scanning Tunneling Microscopy. Journal of the American Chemical Society, 2006, 128, 6052-6053. Nanopatterning proteins and peptides. Soft Matter, 2006, 2, 928. 1.2 Single Molecule Observations of the Adsorption Sites of Methyl Isocyanide on Pt(111) by 131 Low-Temperature Scanning Tunneling Microscopy. Journal of Physical Chemistry B, 2006, 110, 1.2 15 20344-20349. Self-Assembled Monolayers from Biphenyldithiol Derivatives:Â Optimization of the Deprotection Procedure and Effect of the Molecular Conformation. Journal of Physical Chemistry B, 2006, 110, 4307-4317. A Retro-Dielsâ[^]Alder Reaction to Uncover Maleimide-Modified Surfaces on Monolayer-Protected 133 2.4 49 Nanoparticles for Reversible Covalent Assembly. Organic Letters, 2006, 8, 4993-4996. Photolabile Carboxylic Acid Protected Terpolymers for Surface Patterning. Part 1:Â Polymer Synthesis and Film Characterization. Langmuir, 2006, 22, 9436-9445. 1.6 Spectroscopic Characterization of ω-Substituted Biphenylthiolates on Gold and Their Use as Substrates 135 1.6 20 for "On-Top―Siloxane SAM Formation. Langmuir, 2006, 22, 4170-4178. Surface Structure and Interface Dynamics of Alkanethiol Self-Assembled Monolayers on Au(111). 1.2 Journal of Physical Chemistry B, 2006, 110, 2793-2797. Phase Separation of a Mixed Self-Assembled Monolayer Prepared via a Stepwise Method. Langmuir, 137 1.6 41 2006, 22, 4885-4889. Rich Coordination Chemistry of Au Adatoms in Gold Sulfide Monolayer on Au(111). Journal of Physical 1.2 Chemistry B, 2006, 110, 15663-15665. STM Study of Mixed Alkanethiol/Biphenylthiol Self-Assembled Monolayers on Au(111). Langmuir, 2006, 139 1.6 53 22, 3021-3027. Structural Changes in Self-Assembled Monolayers Initiated by Ultraviolet Light. Journal of Physical 1.2 Chemistry B, 2006, 110, 15951-15954. Fluoro-N,N,Nâ€~,Nâ€~-Tetramethylformamidinium Hexafluorophosphate: A Reagent for Formation of 141 1.6 4 Interchain Carboxylic Anhydrides on Self-Assembled Monolayers. Langmuir, 2006, 22, 6956-6960. Order and Composition of Methyl-Carboxyl and Methyl-Hydroxyl Surface-Chemical Gradients. 142 1.6 Langmuir, 2006, 22, 4184-4189. Noncovalent nanoarchitectures on surfaces: from 2D to 3D nanostructures. Journal of Materials 143 6.7 74 Chemistry, 2006, 16, 3997. Metal Core Bonding Motifs of Monodisperse Icosahedral Au13and Larger Au Monolayer-Protected 144 Clusters As Revealed by X-ray Absorption Spectroscopy and Transmission Electron Microscopy. Journal of Physical Chemistry B, 2006, 110, 14564-14573. Gold Nanoparticle-Based pH Sensor in Highly Alkaline Region at pH > 11: Surface-Enhanced Raman 145 1.2 32 Scattering Study. Applied Spectroscopy, 2006, 60, 847-852. Application of 2-mercaptobenzothiazole self-assembled monolayer on polycrystalline gold electrode 146 48 as a nanosensor for determination of Ag(I). Talanta, 2006, 69, 741-746.

#	Article	IF	CITATIONS
147	Self-Assembled Monolayer on Silicon. , 2006, , 57-91.		2
149	Synthetic Architecture of Inorganic Nanomaterials. , 2006, , 25-56.		1
151	Photochromism of Diarylethenes on Gold and Silver Nanoparticles. Bulletin of the Chemical Society of Japan, 2006, 79, 1413-1419.	2.0	34
152	Molecular Assemblies of Functional Molecules on Gold Electrode Surfaces Studied by Electrochemical Scanning Tunneling Microscopy: Relationship between Function and Adlayer Structures. Bulletin of the Chemical Society of Japan, 2006, 79, 1167-1190.	2.0	75
153	Adsorption Behavior of 6-Octylthio-1,3,5-triazine-2,4-dithiol Monosodium on Au(111) Investigated by Electrochemical Scanning Tunneling Microscopy. Chemistry Letters, 2006, 35, 1282-1283.	0.7	5
154	Methods of phosphor synthesis and related technology. , 2006, , .		0
155	Ferrocene-based monolayers: Self-assembly via rigid bidentate anchor groups. , 2006, , .		0
156	Aromatic Hydrocarbon Detection Using Self-Assembled Monolayer Coated Cantilevers. Materials Research Society Symposia Proceedings, 2006, 915, 1.	0.1	0
157	Plasmonic phenomena in metal nanoapertures and chip-scale instrumentation for biochemical sensing. , 2006, , .		0
158	Metal nanodot array fabrication using self-assembled diblock copolymer. , 2006, , .		0
159	Thiol End-capped Molecules for Molecular Electronics: Synthetic Methods, Molecular Junctions and Structure–Property Relationships. , 0, , 353-392.		3
160	Directed Fabrication of Radially Stacked Multifunctional Oxide Heterostructures Using Soft Electron-Beam Lithography. Small, 2006, 2, 274-280.	5.2	32
161	Small Molecule Microarrays: Applications Using Specially Tagged Chemical Libraries. QSAR and Combinatorial Science, 2006, 25, 1009-1019.	1.5	12
162	From a two-dimensional chemical pattern to a three-dimensional topology through selective inversion of a liquid–liquid bilayer. Nature Materials, 2006, 5, 957-961.	13.3	47
163	Towards molecular electronics with large-area molecular junctions. Nature, 2006, 441, 69-72.	13.7	583
164	Self assembled monolayers on silicon for molecular electronics. Analytica Chimica Acta, 2006, 568, 84-108.	2.6	450
165	Analytical techniques for characterization of organic molecular assemblies in molecular electronics devices. Analytica Chimica Acta, 2006, 568, 2-19.	2.6	11
166	Surface-enhanced Raman scattering for perchlorate detection using cystamine-modified gold nanoparticles. Analytica Chimica Acta, 2006, 567, 114-120.	2.6	84

#	Article	IF	CITATIONS
167	Electrochemical detection of cysteine in a flow system based on reductive desorption of thiols from gold. Analytica Chimica Acta, 2006, 575, 172-179.	2.6	45
168	A novel method for glucose determination based on electrochemical impedance spectroscopy using glucose oxidase self-assembled biosensor. Bioelectrochemistry, 2006, 69, 201-208.	2.4	158
169	Effects of organic ligands, electrostatic and magnetic interactions in formation of colloidal and interfacial inorganic nanostructures. Advances in Colloid and Interface Science, 2006, 122, 119-147.	7.0	18
170	Abnormal pinning of the Fermi and vacuum levels in monomolecular self-assembled films. Chemical Physics Letters, 2006, 428, 283-287.	1.2	32
171	Prediction of increased tunneling current by bond length stretch in molecular break junctions. Chemical Physics Letters, 2006, 429, 503-506.	1.2	13
172	Electronic transfer through Langmuir–Blodgett layers of capped platinum nanoparticles: An electrochemical approach. Electrochimica Acta, 2006, 51, 6076-6080.	2.6	5
173	Reactive μCP on ultrathin block copolymer films: Localized chemistry for micro- and nano-scale biomolecular patterning. European Polymer Journal, 2006, 42, 1954-1965.	2.6	23
174	Static and dynamic features of a helical hexapeptide chemisorbed on a gold surface. Materials Science and Engineering C, 2006, 26, 918-923.	3.8	16
175	The use of alkanethiol self-assembled monolayers on 316L stainless steel for coronary artery stent nanomedicine applications: an oxidative and in vitro stability study. Nanomedicine: Nanotechnology, Biology, and Medicine, 2006, 2, 182-190.	1.7	35
176	Adsorption behaviors of V2O5 nanowires on binary mixed self-assembled monolayers. Applied Surface Science, 2006, 253, 1528-1533.	3.1	8
177	Structure and bonding in cyclic thiolate complexes of copper, silver and gold. Polyhedron, 2006, 25, 2993-3005.	1.0	26
178	Study of the kinetics of mushroom-to-brush transition of charged polymer chains. Polymer, 2006, 47, 3157-3163.	1.8	52
179	Preparation and electrochemical properties of SAM of alkanethiols functionalized with 2-aza[3]ferrocenophane on gold electrode. Journal of Organometallic Chemistry, 2006, 691, 5935-5945.	0.8	5
180	Determination of dopamine in the presence of high concentration of ascorbic acid by using gold cysteamine self-assembled monolayers as a nanosensor. Sensors and Actuators B: Chemical, 2006, 115, 614-621.	4.0	157
181	Substrate effects in poly(ethylene glycol) self-assembled monolayers on granular and flame-annealed gold. Journal of Colloid and Interface Science, 2006, 301, 337-341.	5.0	10
182	Influence of 4-cyano-4′-biphenylcarboxylic acid on the orientational ordering of cyanobiphenyl liquid crystals at chemically functionalized surfaces. Journal of Colloid and Interface Science, 2006, 304, 459-473.	5.0	25
183	Electrochemical and EQCM investigation of a selenium derivatized carotenoid in the self-assembled state at a gold electrode. Journal of Electroanalytical Chemistry, 2006, 593, 15-28.	1.9	13
184	Organic chemistry on solid surfaces. Surface Science Reports, 2006, 61, 229-281.	3.8	243

#	Article	IF	CITATIONS
185	Interfacial design and functionization on metal electrodes through self-assembled monolayers. Surface Science Reports, 2006, 61, 445-463.	3.8	133
186	Control of surface properties of self-assembled monolayers by tuning the degree of molecular asymmetry. Surface Science, 2006, 600, 2847-2856.	0.8	25
187	Hierarchical self-assembly of all-organic photovoltaic devices. Tetrahedron, 2006, 62, 2050-2059.	1.0	74
188	Synthesis of model long-chain ω-alkenyltrichlorosilanes and triethoxysilanes for the formation of self-assembled monolayers. Tetrahedron, 2006, 62, 647-651.	1.0	12
189	Tetrathiafulvalene-based podands bearing one or two thiol functions: immobilization as self-assembled monolayers or polymer films, and recognition properties. Tetrahedron, 2006, 62, 4419-4425.	1.0	18
190	Surface grafted polymer brushes as ideal building blocks for "smart―surfaces. Physical Chemistry Chemical Physics, 2006, 8, 3815-3823.	1.3	272
191	Dithiocarbamates:  Functional and Versatile Linkers for the Formation of Self-Assembled Monolayers. Langmuir, 2006, 22, 658-663.	1.6	169
192	Structural control at the organic–solid interface. Journal of Materials Chemistry, 2006, 16, 32-44.	6.7	65
193	Superhydrophobic Effects of Self-Assembled Monolayers on Micropatterned Surfaces:Â 3-D Arrays Mimicking the Lotus Leaf. Langmuir, 2006, 22, 11072-11076.	1.6	46
194	Photoluminiscent Manganese Nanoparticles from Solid State Polyphosphazenes Organometallic Derivatives. Journal of Inorganic and Organometallic Polymers and Materials, 2006, 16, 123-128.	1.9	18
195	Microsize and Nanosize BPO4 from Pyrolysis of a Carborane-Substituted Polyphosphazene. Journal of Inorganic and Organometallic Polymers and Materials, 2006, 16, 211-218.	1.9	13
196	Using self-assembled monolayers for controlled electrodeposition of copper into submicrometer size surface features/decrements. Journal of Solid State Electrochemistry, 2006, 10, 288-292.	1.2	3
197	Adsorption of short-chain alkanethiols on Ag(111) studied by direct recoiling spectroscopy. Surface Science, 2006, 600, 2305-2316.	0.8	19
198	Organic/metal interfaces in self-assembled monolayers of conjugated thiols: A first-principles benchmark study. Surface Science, 2006, 600, 4548-4562.	0.8	128
199	Characterization of iron surface modified by 2-mercaptobenzothiazole self-assembled monolayers. Applied Surface Science, 2006, 253, 2812-2819.	3.1	51
200	Effect of substrate potentials on the structural disorders of alkanethiol monolayers prepared by electrochemically directed assembly. Journal of Electroanalytical Chemistry, 2006, 597, 103-110.	1.9	17
201	Unexpectedly low affinity of aromatic disulfides for π-stacking interactions of the arene–polyfluoroarene type. Journal of Fluorine Chemistry, 2006, 127, 746-754.	0.9	5
202	Immobilization and AFM of single 4×6-mer tarantula hemocyanin molecules. Micron, 2006, 37, 735-741.	1.1	4

ARTICLE IF CITATIONS # In situ sensing of metal ion adsorption to a thiolated surface using surface plasmon resonance 203 5.0 30 spectroscopy. Journal of Colloid and Interface Science, 2006, 298, 543-549. Romping the cellular landscape: linear scaffolds for molecular recognition. Current Opinion in 204 2.6 Structural Biology, 2006, 16, 544-550. Therapeutic possibilities of plasmonically heated gold nanoparticles. Trends in Biotechnology, 2006, 205 4.9 577 24, 62-67. Factors Affecting the Polymorphic Outcome of Glycine Crystals Constrained on Patterned Substrates. 206 0.9 Chemical Engineering and Technology, 2006, 29, 281-285. Electrochemical Deposition onto Self-Assembled Monolayers: New Insights into Micro- and 207 1.7 43 Nanofabrication. Chemistry - A European Journal, 2006, 12, 38-49. Detailed Structural Examinations of Covalently Immobilized Gold Nanoparticles onto 208 1.7 Hydrogen-Terminated Silicon Surfaces. Chemistry - A European Journal, 2006, 12, 314-323. Magnetic-Dipolar-Interaction-Induced Self-Assembly Affords Wires of Hollow Nanocrystals of Cobalt 209 7.2 220 Selenide. Angewandte Chemie - International Edition, 2006, 45, 1220-1223. Multisegmented One-Dimensional Nanorods Prepared by Hard-Template Synthetic Methods. 7.2 Angewandte Chemie - International Edition, 2006, 45, 2672-2692. An Approach To Prepare Membrane Proteins for Single-Molecule Imaging. Angewandte Chemie -211 7.2 30 International Edition, 2006, 45, 3252-3256. Multiplexed DNA Detection with Biobarcoded Nanoparticle Probes. Angewandte Chemie - International 7.2 249 Edition, 2006, 45, 3303-3306. Universal Ink for Microcontact Printing. Angewandte Chemie - International Edition, 2006, 45, 213 7.2 21 4355-4358. Cooperative Self-Assembly of Adenosine and Uridine Nucleotides on a 2D Synthetic Template. Angewandte Chemie - Intérnational Edition, 2006, 45, 5340-5344. Onset of Crystalline Order in 1-Nonanethiol Monolayers Deposited from Solution. Angewandte 215 7.2 10 Chemie - International Edition, 2006, 45, 6166-6169. Surface Reactions On Demand: Electrochemical Control of SAM-Based Reactions. Angewandte Chemie -7.2 International Edition, 2006, 45, 4894-4897. Electrochemical Desorption of Proteins from Gold Electrode Surface. Electroanalysis, 2006, 18, 217 40 1.5 1885-1892. Molecular-Recognition and Binding Properties of Cyclodextrin-Conjugated Polyrotaxanes. ChemPhysChem, 2006, 7, 1668-1670. Desorption/ionization on self-assembled monolayer surfaces (DIAMS). Journal of Mass Spectrometry, 219 0.7 25 2006, 41, 830-833. Assembly of Gold Nanoparticles in a Rod-Like Fashion Using Proteins as Templates. Advanced 229 Functional Materials, 2006, 16, 395-400.

#	Article	IF	CITATIONS
230	Dip-Pen Nanolithography Using the Amide-Coupling Reaction with Interchain Carboxylic Anhydride- Terminated Self-Assembled Monolayers. Advanced Functional Materials, 2006, 16, 1031-1036.	7.8	12
231	α,ω-Dithiol Oligo(phenylene vinylene)s for the Preparation of High-Quality π-Conjugated Self-Assembled Monolayers and Nanoparticle- Functionalized Electrodes. Advanced Functional Materials, 2006, 16, 2387-2392.	7.8	11
232	Combining Conventional Lithography with Molecular Self-Assembly for Chemical Patterning. Advanced Materials, 2006, 18, 3258-3260.	11.1	36
233	Development of molecular logic array and memory device. , 2006, , .		1
234	Tracking Single Molecular Diffusion on Glass Substrate Modified with Periodic Ag Nano-architecture. Japanese Journal of Applied Physics, 2006, 45, 6039-6042.	0.8	6
235	Quantitative analysis of temperature effects in radiation damage of thiolate-based self-assembled monolayers. Journal of Physics Condensed Matter, 2006, 18, S1677-S1689.	0.7	19
236	Nanocomposites Based on Hydrogen Bonds. Advances in Polymer Science, 2006, , 179-198.	0.4	22
237	Extensions of molecular ruler technology for nanoscale patterning. Journal of Vacuum Science & Technology B, 2006, 24, 3200.	1.3	9
238	The electronic spectrum of jet-cooled copper hydrosulfide (CuSH). Journal of Chemical Physics, 2006, 125, 084310.	1.2	15
239	Improved morphology and charge carrier injection in pentacene field-effect transistors with thiol-treated electrodes. Journal of Applied Physics, 2006, 100, 114517.	1.1	153
240	Unconventional methods for forming nanopatterns. Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanoengineering and Nanosystems, 2006, 220, 81-138.	0.1	10
241	Atomic Force Microscopy Characterization of a Microcontact Printed, Selfâ€Assembled Thiol Monolayer for Use in Biosensors. Analytical Letters, 2006, 39, 1721-1734.	1.0	18
242	Top-down and bottom-up nanofabrication for multipurpose applications Materials Research Society Symposia Proceedings, 2006, 921, 1.	0.1	0
243	Laser Atom Probe Tomography: Application to Polymers. , 2006, , .		5
244	Forming Microstructured Alkanethiol Self-Assembled Monolayers on Gold by Laser Ablation. IEEE Transactions on Nanobioscience, 2006, 5, 188-192.	2.2	11
245	Evidence for the Formation of Different Energetically Similar Atomic Structures inAg(111)â^'(7×7)â^'R19.1°â^'CH3S. Physical Review Letters, 2006, 97, 226103.	2.9	37
246	Electronic structure and polymerization of a self-assembled monolayer with multiple arene rings. Physical Review B, 2006, 74, .	1.1	20
247	A new class of self-assembled monolayers on gold using an alkynyl group as a linker. , 2006, , .		1

#	Article	IF	CITATIONS
248	First-principles approach to the charge-transport characteristics of monolayer molecular-electronics devices: Application to hexanedithiolate devices. Physical Review B, 2006, 73, .	1.1	60
249	Adsorption and Self-Assembly of Alkanethiols on GaAs (001) Surface. , 2006, , .		1
250	High-sensitivity surface plasmon resonance spectroscopy based on a metal nanoslit array. Applied Physics Letters, 2006, 88, 243105.	1.5	28
251	Identification of peptides for the surface functionalization of perovskite ferroelectrics. Applied Physics Letters, 2006, 88, 083903.	1.5	19
252	Soft Nanopolyhedra as a Route to Multivalent Nanoparticles. Physical Review Letters, 2006, 96, 248301.	2.9	44
253	Effect of dipole moment on current-voltage characteristics of single molecules. , 2006, , .		1
254	Electron tunneling through alkanedithiol self-assembled monolayers in large-area molecular junctions. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 11161-11166.	3.3	178
255	Electropolymerization of nano-dimensioned polypyrrole micro-ring arrays on gold substrates prepared using submerged micro-contact printing. Nanotechnology, 2007, 18, 485301.	1.3	34
256	CYCLOADDITION REACTION BETWEEN ORGANIC MOLECULES AND Si(100) AND ELECTRONIC PROPERTIES OF ADSORBED MOLECULES. International Journal of Nanoscience, 2007, 06, 95-102.	0.4	1
257	The study of charge transport through organic thin films: mechanism, tools and applications. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2007, 365, 1509-1537.	1.6	52
258	Inhibition of Escherichia coli Biofilm Formation by Self-Assembled Monolayers of Functional Alkanethiols on Gold. Applied and Environmental Microbiology, 2007, 73, 4300-4307.	1.4	67
259	Chemical stability of nonwetting, low adhesion self-assembled monolayer films formed by perfluoroalkylsilanization of copper. Journal of Chemical Physics, 2007, 126, 114706.	1.2	32
260	Micro-Scale Patterning of Cells and Their Environment. , 2007, , 265-278.		1
261	Matrix Effects. , 2007, , 297-308.		3
262	Structured Thin Organic Active Layers and Their Use in Electrochemical Biosensors. Measurement and Control, 2007, 40, 88-91.	0.9	2
263	Microcontact printing pattern as a mask for chemical etching: A scanning photoelectron microscopy study. Journal of Vacuum Science & Technology B, 2007, 25, 1729.	1.3	7
264	Nanostructures using self-assembled multilayers as molecular rulers and etch resists. Journal of Vacuum Science & Technology B, 2007, 25, 1985.	1.3	6
265	Dynamics of low-coordinated surface atoms on gold nanocrystallites. Journal of Chemical Physics, 2007, 126, 154704.	1.2	10

#	Article	IF	CITATIONS
266	Structure of incommensurate gold sulfide monolayer on Au(111). Journal of Chemical Physics, 2007, 127, 104704.	1.2	19
267	Registration accuracy in multilevel soft lithography. Nanotechnology, 2007, 18, 175302.	1.3	16
268	Nanomaterial Based Affinity Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry for Biomolecules and Pathogenic Bacteria. Recent Patents on Nanotechnology, 2007, 1, 99-111.	0.7	27
269	Microscopic Changes of Thin Films of Directly Thiolated Fullerenes Depending on Substrate and Number of Thiol. Japanese Journal of Applied Physics, 2007, 46, 5560.	0.8	1
270	Ab initioand empirical studies on the asymmetry of molecular current–voltage characteristics. Journal of Physics Condensed Matter, 2007, 19, 215206.	0.7	12
271	Simulation of theAu(111)â^(22×3)surface reconstruction. Physical Review B, 2007, 75, .	1.1	80
272	The effect of reciprocal-space sampling and basis set quality on the calculated conductance of a molecular junction. Molecular Simulation, 2007, 33, 897-904.	0.9	8
274	Interface dynamics during Cu shadow-mask physical vapor deposition on nonmetallic substrates. Physical Review B, 2007, 76, .	1.1	1
275	Drug-Membrane Interactions Studied in Phospholipid Monolayers Adsorbed on Nonporous Alkylated Microspheres. Journal of Biomolecular Screening, 2007, 12, 186-202.	2.6	15
276	Optimizing Growth Rates and Thermal Stability of Silver Nanowires. Materials Research Society Symposia Proceedings, 2007, 1017, 165.	0.1	2
277	Bonding and orientation of 1,4-benzenedimethanethiol on Au(111) prepared from solution and from gas phase. Journal of Physics Condensed Matter, 2007, 19, 305020.	0.7	10
278	Tailoring the Work Function of Chalcopyrite Thin Films with Self-Assembled Monolayers of Thiols. Materials Research Society Symposia Proceedings, 2007, 1012, 1.	0.1	0
279	Submicrometre scale single-crystalline gold plates of nanometre thickness: synthesis through a nucleobase process and growth mechanism. Nanotechnology, 2007, 18, 295603.	1.3	16
280	Water-repellent coating: formation of polymeric self-assembled monolayers on nanostructured surfaces. Nanotechnology, 2007, 18, 395602.	1.3	42
281	Multicycle Desorption-Adsorption Voltammetry for Self-Assembled Mixed Monolayer Containing Ferrocenylthiol Molecules: A Discussion on Molecular Interaction in the Mixed Layer. Electrochemistry, 2007, 75, 523-527.	0.6	1
282	Oriented attachment: a versatile approach for construction of nanomaterials. International Journal of Nanotechnology, 2007, 4, 329.	0.1	44
283	Reversible Thermochromic Change of Molecular Architecture for a Diacetylene Derivative 10,12-Pentacosadiynoic Acid Self-assembled Thin Films on Ag Surfaces. Chemistry Letters, 2007, 36, 1226-1227.	0.7	13
284	Development of Conductive Organic Molecular Assemblies: Organic Metals, Superconductors, and Exotic Functional Materials. Bulletin of the Chemical Society of Japan, 2007, 80, 1-137.	2.0	372

3.2

54

ARTICLE IF CITATIONS # Immobilization and Hybridization Behavior of DNA on Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 747 Td (glycol)-<i>block</i> 285 0.7 19 Surfaces. Chemistry Letters, 2007, 36, 1444-1445. Molecular Machines. The Electrical Engineering Handbook, 2007, , 11-1-11-48. 0.2 287 Chains of divalent gold nanoparticles. Proceedings of SPIE, 2007, , . 0.8 0 Time Resolved Analysis of Molecular Interactions Using Nanomechanical Cantilever Sensors. Journal 288 0.3 of Physics: Conference Series, 2007, 61, 612-617. Electrochemical behavior of dopamine at a 3,3â€2-dithiodipropionic acid self-assembled monolayers. 289 2.9 47 Talanta, 2007, 72, 427-433. Interplay of Anchoring and Ordering in Aromatic Self-Assembled Monolayers. Journal of Physical Chemistry C, 2007, 111, 10546-10551. 290 1.5 Oriented Growth of the Metal Organic Framework Cu3(BTC)2(H2O)3·xH2O Tunable with 291 Functionalized Self-Assembled Monolayers. Journal of the American Chemical Society, 2007, 129, 6.6 499 8054-8055. Fabrication of Complex Metallic Nanostructures by Nanoskiving. ACS Nano, 2007, 1, 215-227. 7.3 Metal-enhanced fluorescence of an organic fluorophore using gold particles. Optics Express, 2007, 15, 293 1.7 102 2598. 294 Silicon/porous silicon composite membrane for high-sensitivity pressure sensor., 2007,,. Functionalization of Acetylene-Terminated Monolayers on Si(100) Surfaces:  A Click Chemistry 295 1.6 267 Approach. Langmuir, 2007, 23, 9320-9329. Chemical Modification of Monolayer-Protected Gold Nanoparticles Using Hyperbaric Conditions. 296 6.6 Journal of the American Chemical Society, 2007, 129, 4904-4905. Bifunctional Au-Fe₃O₄ Nanoparticles for Protein Separation. ACS Nano, 2007, 297 7.3 372 1, 293-298. Nano-Flares:  Probes for Transfection and mRNA Detection in Living Cells. Journal of the American Chemical Society, 2007, 129, 15477-15479. 298 6.6 649 299 Divalent Metal Nanoparticles. Science, 2007, 315, 358-361. 6.0 600 Silane Ligand Exchange to Make Hydrophobic Superparamagnetic Nanoparticles Water-Dispersible. 506 Chemistry of Materials, 2007, 19, 1821-1831. Theoretical Study on Gold-Coated Iron Oxide Nanostructure:  Magnetism and Bioselectivity for Amino 301 1.530 Acids. Journal of Physical Chemistry C, 2007, 111, 4159-4163. Peptide Aptamers in Label-Free Protein Detection: 1. Characterization of the Immobilized Scaffold.

Analytical Chemistry, 2007, 79, 1089-1096.

#	Article	IF	CITATIONS
303	Fabrication of Shape-Controllable Polyaniline Micro/Nanostructures on Organic Polymer Surfaces: Obtaining Spherical Particles, Wires, and Ribbons. Journal of Physical Chemistry B, 2007, 111, 3918-3926.	1.2	58
304	Silver nanoparticles coated with adenine: preparation, self-assembly and application in surface-enhanced Raman scattering. Nanotechnology, 2007, 18, 175610.	1.3	39
305	Scanning Electron Microscopy of Nanoscale Chemical Patterns. ACS Nano, 2007, 1, 191-201.	7.3	73
306	Conformation and Dynamics of Arylthiol Self-Assembled Monolayers on Au(111). Langmuir, 2007, 23, 12208-12216.	1.6	15
307	Image reversal for direct electron beam patterning of protein coated surfaces. Lab on A Chip, 2007, 7, 1603.	3.1	10
308	Total internal reflection sum-frequency generation spectroscopy and dense gold nanoparticles monolayer: a route for probing adsorbed molecules. Nanotechnology, 2007, 18, 415301.	1.3	36
309	DNA-Mediated Electrochemistry of Disulfides on Graphite. Journal of the American Chemical Society, 2007, 129, 6074-6075.	6.6	27
310	Impact of Bidirectional Charge Transfer and Molecular Distortions on the Electronic Structure of a Metal-Organic Interface. Physical Review Letters, 2007, 99, 256801.	2.9	206
311	Adsorption of Amine Compounds on the Au(111) Surface:  A Density Functional Study. Journal of Physical Chemistry C, 2007, 111, 13886-13891.	1.5	131
312	Gold Nanoparticle Assisted Assembly of a Heme Protein for Enhancement of Long-Range Interfacial Electron Transfer. Journal of Physical Chemistry C, 2007, 111, 6124-6132.	1.5	121
313	Homocysteine-Mediated Reactivity and Assembly of Gold Nanoparticles. Langmuir, 2007, 23, 826-833.	1.6	137
314	Self-Assembled Monolayers with Latent Aldehydes for Protein Immobilization. Bioconjugate Chemistry, 2007, 18, 247-253.	1.8	51
315	Trends in interfacial design for surface plasmon resonance based immunoassays. Journal Physics D: Applied Physics, 2007, 40, 7187-7200.	1.3	67
316	Improvements in the Characterization of the Crystalline Structure of Acid-Terminated Alkanethiol Self-Assembled Monolayers on Au(111). Langmuir, 2007, 23, 582-588.	1.6	87
317	Entropy-Mediated Patterning of Surfactant-Coated Nanoparticles and Surfaces. Physical Review Letters, 2007, 99, 226106.	2.9	240
318	Polyelectrolyte Layer-by-Layer Assembly To Control the Distance between Fluorophores and Plasmonic Nanostructures. Chemistry of Materials, 2007, 19, 5902-5909.	3.2	133
319	Long-Range Surface Plasmons on Ultrathin Membranes. Nano Letters, 2007, 7, 1376-1380.	4.5	118
320	Photo-deprotection patterning of self-assembled monolayers. Journal of Experimental Nanoscience, 2007, 2, 279-290.	1.3	6

#	Article	IF	CITATIONS
321	High thermal stability of cross-linked aromatic self-assembled monolayers: Nanopatterning via selective thermal desorption. Applied Physics Letters, 2007, 90, 053102.	1.5	67
322	Assembly of nanosize metallic particles and molecular wires on electrode surfaces. Chemical Communications, 2007, , 3983.	2.2	34
323	Effect of alkyl chain parity on the face-selective crystal growth of a drug polymorph. Chemical Communications, 2007, , 2476.	2.2	5
324	New Photolabile Functional Polymers for Patterning onto Gold Obtained by Click Chemistry. Macromolecules, 2007, 40, 2361-2370.	2.2	41
325	Understanding the Chemisorption of 2-Methyl-2-propanethiol on Au(111). Journal of Physical Chemistry C, 2007, 111, 10878-10885.	1.5	16
326	Spatially Resolved Surface Analysis of an Octadecanethiol Self-Assembled Monolayer on Mild Steel Using Sum Frequency Generation Imaging Microscopy. Journal of Physical Chemistry C, 2007, 111, 7137-7143.	1.5	34
327	Self-Assembled Alkanethiol Monolayers on a Zn Substrate:  Structure and Organization. Langmuir, 2007, 23, 8385-8391.	1.6	31
328	The c(4 × 2) Structure of Short- and Intermediate-Chain Length Alkanethiolate Monolayers on Au(111): A DFT Study. Journal of Physical Chemistry C, 2007, 111, 12149-12151.	1.5	54
329	Alkanethiol headgroup on metal (111)-surfaces: general features of the adsorption onto group 10 and 11 transition metals. Journal of Physics Condensed Matter, 2007, 19, 176004.	0.7	5
330	Encapsulation and functionalization of nanoparticles in crosslinked resorcinarene shells. Journal of Materials Chemistry, 2007, 17, 105-112.	6.7	28
331	Hybridization of thiol-functionalized poly(phenylacetylene) with cadmium sulfide nanorods: improved miscibility and enhanced photoconductivity. Chemical Communications, 2007, , 1322.	2.2	23
332	Bi-functionalization of a patterned Prussian blue array for amperometric measurement of glucose via two integrated detection schemes. Analyst, The, 2007, 132, 164-172.	1.7	28
333	A Novel Point of Care Diagnostic Device: Impedimetric Detection of a Biomarker in Whole Blood. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 115-8.	0.5	5
334	Calcite shape modulation through the lattice mismatch between the self-assembled monolayer template and the nucleated crystal face. CrystEngComm, 2007, 9, 1219.	1.3	40
335	Manipulation of charge carrier injection into organic field-effect transistors by self-assembled monolayers of alkanethiols. Journal of Materials Chemistry, 2007, 17, 1947.	6.7	103
336	Surface plasmon resonance as a time-resolved probe of structural changes in molecular films: considerations for correlating resonance shifts with adsorbate layer parameters. Analyst, The, 2007, 132, 524.	1.7	7
337	Vibrational Sum Frequency Generation Spectroscopy of Dodecanethiol on Metal Nanoparticlesâ€. Journal of Physical Chemistry C, 2007, 111, 8925-8933.	1.5	77
338	Alkanephosphonates on Hafnium-Modified Gold:  A New Class of Self-Assembled Organic Monolayers. Journal of the American Chemical Society, 2007, 129, 2803-2807.	6.6	21

	Сіт	ation Report	
#	Article	IF	CITATIONS
339	Growth of pentacene on clean and modified gold surfaces. Physical Review B, 2007, 75, .	1.1	198
340	Covalent Immobilization of Peptides on Self-Assembled Monolayer Surfaces Using Soft-Landing of Mass-Selected Ions. Journal of the American Chemical Society, 2007, 129, 8682-8683.	6.6	57
341	Tuning the Exchange Reaction between a Self-assembled Monolayer and Potential Substituents by Electron Irradiation. Journal of Physical Chemistry C, 2007, 111, 7772-7782.	1.5	59
342	Balance of Structureâ `Building Forces in Selenium-Based Self-Assembled Monolayers. Journal of the American Chemical Society, 2007, 129, 2232-2233.	6.6	55
343	Synthesis and Surface Structure of Thymine-Functionalized, Self-Assembled Monolayer-Protected Gold Nanoparticles. Langmuir, 2007, 23, 9170-9177.	1.6	35
344	Versatile and Efficient Synthesis of ω-Functionalized Asymmetric Disulfides via Sulfenyl Bromide Adducts. Langmuir, 2007, 23, 2318-2321.	1.6	20
345	Crystal Engineering in Two Dimensions:  An Approach to Molecular Nanopatterning. Journal of Physical Chemistry C, 2007, 111, 16996-17007.	1.5	132
346	Chemical Surface Modification via Radical Câ^C Bond-Forming Reactions. Journal of the American Chemical Society, 2007, 129, 5826-5827.	6.6	24
347	Formation of Goldâ^'Methanethiyl Self-Assembled Monolayers. Journal of the American Chemical Society, 2007, 129, 14532-14533.	6.6	39
348	Sum Frequency Generation Imaging of Microcontact-Printed Monolayers Derived from Aliphatic Dithiocarboxylic Acids:  Contrast Based on Terminal-Group Orientation. Journal of Physical Chemist C, 2007, 111, 11751-11755.	try 1.5	29
349	Direct Probing Molecular Twist and Tilt in Aromatic Self-Assembled Monolayers. Journal of the American Chemical Society, 2007, 129, 15416-15417.	6.6	96
350	Origins of the High Thermal Stability of Alkylidene Groups on the Surface of β-Mo2C. Journal of Physical Chemistry C, 2007, 111, 5954-5962.	1.5	9
351	Nanografting of Alkanethiols by Tapping Mode Atomic Force Microscopy. Langmuir, 2007, 23, 6142-61	147. 1.6	25
352	Inelastic Scattering Dynamics of Ar from a Perfluorinated Self-Assembled Monolayer Surface. Journal of Physical Chemistry A, 2007, 111, 12785-12794.	1.1	32
353	Dimethyl Sulfide on Cu{111}: Molecular Self-Assembly and Submolecular Resolution Imaging. ACS Nano, 2007, 1, 423-428.	7.3	20
354	Rectangular Nanostructuring of Au(111) Surfaces by Self-Assembly of Size-Selected Thiacrown Ether Macrocycles. Journal of the American Chemical Society, 2007, 129, 2450-2451.	6.6	35
355	Structure and Electrochemical Characterization of 4-Methyl-4â€~-(n-mercaptoalkyl)biphenyls on Au(111)-(1 × 1). Journal of Physical Chemistry C, 2007, 111, 17409-17419.	1.5	29
356	Assembly of Gold Nanoparticles Mediated by Multifunctional Fullerenes. Langmuir, 2007, 23, 10715-10724.	1.6	30

#	Article	IF	CITATIONS
357	Single Molecule Conductance of Linear Dithioalkanes in the Liquid Phase:  Apparently Activated Transport Due to Conformational Flexibility. Journal of Physical Chemistry C, 2007, 111, 14567-14573.	1.5	35
358	Characterization by X-ray Photoemission Spectroscopy of the Open and Closed Forms of a Dithienylethene Switch in Thin Films. Journal of Physical Chemistry C, 2007, 111, 16533-16537.	1.5	14
359	Molecular Monolayers Enhance the Formation of Electrocatalytic Platinum Nanoparticles on Vertically Aligned Carbon Nanofiber Scaffolds. Journal of Physical Chemistry C, 2007, 111, 7260-7265.	1.5	25
360	Synthesis of S-Acetyl Oligoarylenedithiols via Suzukiâ~'Miyaura Cross-Coupling. Journal of Organic Chemistry, 2007, 72, 10272-10275.	1.7	27
361	Formation and Domain Structure of Self-Assembled Monolayers by Adsorption of Tetrahydrothiophene on Au(111). Journal of Physical Chemistry C, 2007, 111, 2691-2695.	1.5	44
362	Reactivity of Acid Fluoride-Terminated Self-Assembled Monolayers on Gold. Langmuir, 2007, 23, 1209-1214.	1.6	9
363	Two-Dimensional Arrays of Amphiphilic Zn2+-Cyclens for Guided Molecular Recognition at Interfaces. Langmuir, 2007, 23, 2517-2524.	1.6	16
364	Electrospray Ionization Mass Spectrometry of Uniform and Mixed Monolayer Nanoparticles: Au ₂₅ [S(CH ₂) ₂ Ph] ₁₈ and Au ₂₅ [S(CH ₂) ₂ Ph] ₁₈ ₋ <i>_x</i> (SR) Iournal of the American Chemical Society. 2007. 129. 16209-16215.	<i>.6.6 <i>.5 sub>></i></i>	195 (
365	Conductance of Alkanediisothiocyanates:  Effect of Headgroupâ^'Electrode Contacts. Journal of Physical Chemistry C, 2007, 111, 11450-11455.	1.5	33
366	Structure and Dynamics of Water near the Interface with Oligo(ethylene oxide) Self-Assembled Monolayers. Langmuir, 2007, 23, 8508-8514.	1.6	35
367	Determination of the Potential of Zero Charge of Au(111) Modified with Thiol Monolayers. Analytical Chemistry, 2007, 79, 6473-6479.	3.2	64
368	Characterization of Self-assembled Monolayers from Lithium Dialkyldithiocarbamate Salts. Langmuir, 2007, 23, 2887-2891.	1.6	23
369	Direct-Write Multiphoton Photolithography:  A Systematic Study of the Etching Behaviors in Various Commercial Polymers. Langmuir, 2007, 23, 12406-12412.	1.6	15
370	PEMC-based Method of Measuring DNA Hybridization at Femtomolar Concentration Directly in Human Serum and in the Presence of Copious Noncomplementary Strands. Analytical Chemistry, 2007, 79, 7392-7400.	3.2	59
371	Switching the Electrochemical Impedance of Low-Density Self-Assembled Monolayers. Langmuir, 2007, 23, 297-304.	1.6	24
372	Liquid Crystalline Ordering in the Self-Assembled Monolayers of Tethered Rodlike Polymers. Journal of the American Chemical Society, 2007, 129, 7756-7757.	6.6	38
373	Monochromatic Electron Photoemission from Diamondoid Monolayers. Science, 2007, 316, 1460-1462.	6.0	248
375	Defined Substrates for Human Embryonic Stem Cell Growth Identified from Surface Arrays. ACS Chemical Biology, 2007, 2, 347-355.	1.6	141

CITATION REPORT ARTICLE IF CITATIONS Influence of Molecular Structure on Phase Transitions:  A Study of Self-Assembled Monolayers of 1.5 60 2-(Aryl)-ethane Thiols. Journal of Physical Chemistry C, 2007, 111, 16909-16919. Template-Grown Metal Nanowires as Resonators:  Performance and Characterization of Dissipative 4.5 and Elastic Properties. Nano Letters, 2007, 7, 3281-3284. Self-Assembled Monolayers of Aromatic Tellurides on (111)-Oriented Gold and Silver Substrates. 1.5 38 Journal of Physical Chemistry C, 2007, 111, 11627-11635. Nanostructuring, Imaging and Molecular Manipulation of Dithiol Monolayers on Au(111) Surfaces by Atomic Force Microscopy. Journal of Physical Chemistry C, 2007, 111, 17275-17284. Characterization of Self-Assembled Monolayers of Oligo(phenyleneethynylene) Derivatives of Varying 1.6 37 Shapes on Gold: Effect of Laterally Extended ï€-Systems. Langmuir, 2007, 23, 6170-6181. Thermally-Driven Nanoparticle Array Growth from Atomic Au Precursor Solutions. Journal of Physical Chemistry C, 2007, 111, 17993-17996. 1.5 Excited-State Behavior of a Fluorescent and Photochromic Diarylethene on Silver Nanoparticles. 1.5 49 Journal of Physical Chemistry C, 2007, 111, 3853-3862. Temporal Stability of Thiophene Self-Assembled Monolayers on Au(111). Molecular Crystals and Liquid 0.4 Crystals, 2007, 464, 205/[787]-209/[791]. Novel Organic Materials through Control of Multichromophore Interactions. Journal of Organic 1.7 174 Chemistry, 2007, 72, 8615-8635. Nanomaterials for sensors. Russian Chemical Reviews, 2007, 76, 1084-1093. 2.5 Stable Perfluorosilane Self-Assembled Monolayers on Copper Oxide Surfaces:Â Evidence of 3.2 57 Siloxyâ[^]Copper Bond Formation. Chemistry of Materials, 2007, 19, 798-804. Voltammetric and Surface-Enhanced Resonance Raman Spectroscopic Characterization of CytochromecAdsorbed on a 4-Mercaptopyridine Monolayer on Silver Electrodes. Langmuir, 2007, 23, 1.6 4340-4345. Chemisorption of Sulfur and Sulfur-Based Simple Molecules on Au(111). Journal of Physical Chemistry 1.5 20 C, 2007, 111, 12383-12390. UV-Promoted Exchange Reaction as a Tool for Gradual Tuning the Composition of Binary Self-Assembled Monolayers and Chemical Lithography. Journal of Physical Chemistry C, 2007, 111, 1.5 12002-12010. Adsorption, Interaction, and Manipulation of Dibutyl Sulfide on Cu{111}. ACS Nano, 2007, 1, 22-29. 23 7.3 Solid-Phase Synthesis of Alkanethiols for the Preparation of Self-Assembled Monolayers. Langmuir, 2007, 23, 11164-11167. Inelastic Electron Tunneling Spectroscopy of Alkane Monolayers with Dissimilar Attachment 6.6 27 Chemistry to Gold. Journal of the American Chemical Society, 2007, 129, 15303-15310. First Observation of Charge Reduction and Desorption Kinetics of Multiply Protonated Peptides Soft Landed onto Self-Assembled Monolayer Surfaces. Journal of Physical Chemistry C, 2007, 111, 1.5

376

378

379

380

382

384

386

388

390

392

ARTICLE IF CITATIONS # Molecular Self-Assembly at Bare Semiconductor Surfaces: Characterization of a Homologous Series 394 7.3 79 of <i>n</i>-Alkanethiolate Monolayers on GaAs(001). ACS Nano, 2007, 1, 30-49. Monomolecular Films of Phthalocyanines:Â Formation, Characterization, and Expelling by 1.6 Alkanethiols. Langmuir, 2007, 23, 4373-4377. 396 Heads or Tails: Which Is More Important in Molecular Self-Assembly?. ACS Nano, 2007, 1, 10-12. 7.3 64 Reversible Photoswitchable Wettability in Noncovalently Assembled Multilayered Films. Langmuir, 2007, 23, 13181-13187. Magnetic Interactions in Layered Nickel Alkanethiolates. Journal of Physical Chemistry C, 2007, 111, 398 1.530 1868-1870. Vapor Phase Mercury Sorption by Organic Sulfide Modified Bimetallic Ironâ[^]Copper Nanoparticle Aggregates. Industrial & amp; Engineering Chemistry Research, 2007, 46, 1305-1315. 399 1.8 Influence of Defects on the Electrical Characteristics of Mercury-Drop Junctions: Â Self-Assembled 400 Monolayers ofn-Alkanethiolates on Rough and Smooth Silver. Journal of the American Chemical 6.6 215 Society, 2007, 129, 4336-4349. Electrical and Structural Characterization of Biphenylethanethiol SAMs. Journal of Physical 1.5 Chemistry C, 2007, 111, 6392-6397. Covalent Grafting of Organic Layers on Sputtered Amorphous Carbon:  Surface Preparation and 402 1.5 31 Coverage Density. Journal of Physical Chemistry C, 2007, 111, 3099-3108. Thiosulfate- and Thiosulfonate-Based Etchants for the Patterning of Gold Using Microcontact 3.2 Printing. Chemistry of Materials, 2007, 19, 3933-3944. Fabrication of a nanoparticle gradient substrate by thermochemical manipulation of an ester 404 6.7 13 functionalized SAM. Journal of Materials Chemistry, 2007, 17, 5097. Chemically Modified Electrodes., 2007, , 295-327. 405 Bioinspired enantioselective catalysis: Racemic or achiral metal complexes grafted on mesoporous 406 1.6 6 material functionalized with chiral molecules. Catalysis Communications, 2007, 8, 215-219. Selective Permeation of a Liquidlike Self-Assembled Monolayer of 11-Amino-1-undecanethiol on Polycrystalline Gold by Highly Charged Electroactive Probes. Journal of Physical Chemistry C, 2007, 111, 5351-5362. 1.5 Gold Nanoparticles Decorated with Oligo(ethylene glycol) Thiols: Â Protein Resistance and Colloidal 408 50 1.1 Stabilityâ€. Journal of Physical Chemistry A, 2007, 111, 12229-12237. Synthesis and Extraction of Monodisperse Sodium Carboxymethylcellulose-Stabilized Platinum Nanoparticles for the Self-assembly of Ordered Arrays. Journal of Physical Chemistry C, 2007, 111, 409 38 Molecular Structure of 3-Amino-5-mercapto-1,2,4-triazole Self-Assembled Monolayers on Ag and Au 410 1.541 Surfaces. Journal of Physical Chemistry C, 2007, 111, 17397-17403. Molecular Machines and Nanodevices., 2007, , 63-88.

#	Article	IF	CITATIONS
412	Self-Assembled Hybrid Nanoparticles for Cancer-Specific Multimodal Imaging. Journal of the American Chemical Society, 2007, 129, 8962-8963.	6.6	193
413	Electrical Contacts to Organic Molecular Films by Metal Evaporation:  Effect of Contacting Details. Journal of Physical Chemistry C, 2007, 111, 2318-2329.	1.5	70
414	Geometric and electronic structure of closed-shell bimetallic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi>A</mml:mi><mml:mn>4</mml:mn></mml:msub><mml:m Physical Review A, 2007, 75, .</mml:m </mml:mrow></mml:math 	sub ^{1.0} mml	:mi ⁵ B
415	Toward Control of the Metalâ°Organic Interfacial Electronic Structure in Molecular Electronics:Â A First-Principles Study on Self-Assembled Monolayers of π-Conjugated Molecules on Noble Metals. Nano Letters, 2007, 7, 932-940.	4.5	257
416	Building Layer-by-Layer a Bis(dithiocarbamato)copper(II) Complex on Au{111} Surfaces. Journal of the American Chemical Society, 2007, 129, 6927-6930.	6.6	26
417	Title is missing!. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2007, 58, 785-790.	0.1	0
418	Effect of surface coverage of gold(111) electrode with cysteine on the chiral discrimination of DOPA. Chirality, 2007, 19, 295-299.	1.3	27
419	Electronâ€Transfer Reactions through the Associated Interaction between Cytochromeâ€ <i>c</i> and Selfâ€Assembled Monolayers of Optically Active Cobalt(III) Complexes: Molecular Recognition Ability Induced by the Chirality of the Cobalt(III) Units. Chemistry - A European Journal, 2007, 13, 8007-8017.	1.7	4
420	Self-Assembly of Nanosize Coordination Cages on Si(100) Surfaces. Chemistry - A European Journal, 2007, 13, 6891-6898.	1.7	36
421	Impact of self-assembly composition on the alternate interfacial electron transfer for electrostatically immobilized cytochromec. Biopolymers, 2007, 87, 68-73.	1.2	30
422	Self-Assembled Monolayers of a Multifunctional Organic Radical. Angewandte Chemie - International Edition, 2007, 46, 2215-2219.	7.2	56
423	Selective Crystal Growth of the Anhydrous and Monohydrate Forms of Theophylline on Self-Assembled Monolayers. Angewandte Chemie - International Edition, 2007, 46, 1988-1991.	7.2	21
424	Kinetically Stable, Flat-Lying Thiolate Monolayers. Angewandte Chemie - International Edition, 2007, 46, 3762-3764.	7.2	21
425	Metal Nanoparticles: From "Artificial Atoms―to "Artificial Molecules― Angewandte Chemie - International Edition, 2007, 46, 6006-6008.	7.2	45
426	Controlled Nanoscale Mechanical Phenomena Discovered with Ultrafast Electron Microscopy. Angewandte Chemie - International Edition, 2007, 46, 9206-9210.	7.2	39
433	UV-Light-Driven Immobilization of Surface-Functionalized Oxide Nanocrystals onto Silicon. Advanced Functional Materials, 2007, 17, 201-211.	7.8	26
434	Selective Immobilization of Nanoparticles on Surfaces by Molecular Recognition using Simple Multiple Hâ€bonding Functionalities. Advanced Functional Materials, 2007, 17, 2045-2052.	7.8	24
435	Depolarization Effects in Self-Assembled Monolayers: A Quantum-Chemical Insight. Advanced Functional Materials, 2007, 17, 1143-1148.	7.8	97

#	Article	IF	CITATIONS
436	Tunable Thermoresponsive Polymeric Platforms on Gold by "Photoiniferter―Based Surface Grafting. Advanced Materials, 2007, 19, 268-271.	11.1	103
437	A Flexible Approach to the Fabrication of Chemical Gradients. Advanced Materials, 2007, 19, 998-1000.	11.1	108
438	Solid‣upported Multicomponent Patterned Monolayers. Advanced Materials, 2007, 19, 1967-1972.	11.1	15
439	Necklaceâ€like Nobleâ€Metal Hollow Nanoparticle Chains: Synthesis and Tunable Optical Properties. Advanced Materials, 2007, 19, 2172-2176.	11.1	120
440	Towards Understanding Why a Superhydrophobic Coating Is Needed by Water Striders. Advanced Materials, 2007, 19, 2257-2261.	11.1	278
441	Intracellular Enzymatic Formation of Nanofibers Results in Hydrogelation and Regulated Cell Death. Advanced Materials, 2007, 19, 3152-3156.	11.1	259
442	Cages on Surfaces: Thiol Functionalisation of CoIII Sarcophagine Complexes. European Journal of Inorganic Chemistry, 2007, 2007, 263-278.	1.0	13
443	Label-Free Impedance Biosensors: Opportunities and Challenges. Electroanalysis, 2007, 19, 1239-1257.	1.5	1,034
444	Investigation of the Adsorption and Self Assembly of Isocyanide Derivatives on Au(111) Surface. Chinese Journal of Chemistry, 2007, 25, 1223-1228.	2.6	8
445	Molecular Dynamics Simulation of the Selfâ€assembled Monolayers of 1â€Adamantanethiolate and Its Derivatives on Au(111) Surfaces. Chinese Journal of Chemistry, 2007, 25, 1474-1479.	2.6	7
446	Ultrathin π-Conjugated Polymer Films for Simple Fabrication of Large-Area Molecular Junctions. ChemPhysChem, 2007, 8, 515-518.	1.0	43
447	Scanning Tunneling Microscopy and Spectroscopy Studies of 4-Methyl- 4â€2-(n-mercaptoalkyl)biphenyls on Au(111)-(1×1). ChemPhysChem, 2007, 8, 1037-1048.	1.0	22
448	Chemistry in Confined Geometries: Reactions at an Organic Surface. ChemPhysChem, 2007, 8, 657-660.	1.0	18
449	Adsorption Properties of the Penicillin Derivative DTPA on Gold Substrates. ChemPhysChem, 2007, 8, 1071-1076.	1.0	10
450	A New Approach for the Fabrication of Strongly Heterogeneous Mixed Self-Assembled Monolayers. ChemPhysChem, 2007, 8, 819-822.	1.0	28
451	Carboxybetaine Polymer-Protected Gold Nanoparticles: High Dispersion Stability and Resistance against Non-Specific Adsorption of Proteins. Macromolecular Chemistry and Physics, 2007, 208, 862-873.	1.1	71
452	Synthesis, stereochemistry and adsorption studies of new spiranes and polyspiranes containing 1,2â€dithiolane units. Journal of Heterocyclic Chemistry, 2007, 44, 521-527.	1.4	5
453	Structure and properties of 1,4-benzenedimethanethiol films grown from solution on Au(111): An XPS and NEXAFS study. Surface Science, 2007, 601, 1419-1427.	0.8	34

#	Article	IF	CITATIONS
454	Self-assembled organic templates for the selective adsorption of gold nanoparticles into confined domains. Surface Science, 2007, 601, 3916-3920.	0.8	13
455	Thermal decomposition of perfluorodecylsiloxane self-assembled monolayers in air. Ultramicroscopy, 2007, 107, 995-999.	0.8	2
456	Unique domain structure of π-conjugated tolanethioacetate self-assembled monolayers on Au(111). Ultramicroscopy, 2007, 107, 1000-1003.	0.8	6
457	Vibrational transition moment directions of a terminally p-nitrobenzyl substituted long-chain alkanethiol by polarized infrared spectra and DFT calculations. Vibrational Spectroscopy, 2007, 43, 64-70.	1.2	2
458	Self-assembly of terminally aryl-substituted long-chain alkanethiols on silver. Vibrational Spectroscopy, 2007, 45, 55-60.	1.2	5
459	Synthesis of penta-p-phenylenes with oligo(ethylene glycol) side chains. Tetrahedron Letters, 2007, 48, 6075-6079.	0.7	12
460	Comparative adsorption of phenyl selenolate and selenocyanate on Au nanoparticle surfaces. Applied Surface Science, 2007, 253, 4830-4835.	3.1	11
461	SIMS as a subnanometer probe: A new tool for chemical profile analysis of grafted molecules. Applied Surface Science, 2007, 253, 6140-6143.	3.1	6
462	Interfacial kinetic enhancement of metal ion adsorption on binary mixed self-assembled monolayers. Applied Surface Science, 2007, 253, 7554-7558.	3.1	6
463	AFM study of BSA adlayers on Au stripes. Applied Surface Science, 2007, 253, 9209-9214.	3.1	56
464	Gold nanoparticles prepared by sonochemical method in thiol-functionalized ionic liquid. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 302, 366-370.	2.3	69
465	Gold-thiolate core-in-cage cluster Au25(SCH3)18 shows localized spins in charged states. Chemical Physics Letters, 2007, 441, 268-272.	1.2	34
466	Charge transfer dynamics in self-assembled monomolecular films. Chemical Physics Letters, 2007, 447, 227-231.	1.2	48
467	Photosynthetic reaction center functionalized nano-composite films: Effective strategies for probing and exploiting the photo-induced electron transfer of photosensitive membrane protein. Biosensors and Bioelectronics, 2007, 22, 1173-1185.	5.3	58
468	Amperometric glucose biosensor based on multilayer films via layer-by-layer self-assembly of multi-wall carbon nanotubes, gold nanoparticles and glucose oxidase on the Pt electrode. Biosensors and Bioelectronics, 2007, 22, 2854-2860.	5.3	196
469	Self-assembled monolayers (SAMs) of alkoxycyanobiphenyl thiols on gold surface using a lyotropic liquid crystalline medium. Electrochimica Acta, 2007, 52, 2987-2997.	2.6	24
470	Self-aggregation of bilayer ferrocenyl termini gold nanoparticles. Inorganic Chemistry Communication, 2007, 10, 511-513.	1.8	4
471	A ruthenium(II) complex with bis(3,5-dimethylpyrazol-1-yl)dithioacetate built layer-by-layer on silver and gold surfaces. Inorganic Chemistry Communication, 2007, 10, 1482-1484.	1.8	3

#	Article	IF	CITATIONS
472	Transition-metal nanocluster stabilization for catalysis: A critical review of ranking methods and putative stabilizers. Coordination Chemistry Reviews, 2007, 251, 1075-1100.	9.5	418
473	l-Cysteine films on Ag(111) investigated by electrochemical and nonlinear optical methods. Chemical Physics, 2007, 342, 236-244.	0.9	32
474	Modulation of the electrochemical behavior of tyrosyl radicals by the electrode surface. Analytical Biochemistry, 2007, 362, 89-97.	1.1	6
475	Silver and gold nanoparticle-coated membranes for femtomole detection of small proteins and peptides by Dot and Western blot. Analytical Biochemistry, 2007, 362, 287-289.	1.1	23
476	Functionalization of gold cysteamine self-assembled monolayer with ethylenediaminetetraacetic acid as a novel nanosensor. Analytica Chimica Acta, 2007, 587, 254-262.	2.6	57
477	Protein repellent properties of covalently attached PEG coatings on nanostructured SiO2-based interfaces. Biomaterials, 2007, 28, 4739-4747.	5.7	199
478	Attaching folic acid on gold nanoparticles using noncovalent interaction via different polyethylene glycol backbones and targeting of cancer cells. Nanomedicine: Nanotechnology, Biology, and Medicine, 2007, 3, 224-238.	1.7	166
479	Direct recoil spectroscopy of alkanethiol covered surfaces. Nuclear Instruments & Methods in Physics Research B, 2007, 258, 183-188.	0.6	2
480	Evidence for the bulk nature of self-assembled monolayer surface of fluorinated alkyl thiol from hyperthermal energy ion–surface collisions. Nuclear Instruments & Methods in Physics Research B, 2007, 264, 400-403.	0.6	1
481	Protoporphyrin-modified gold surfaces for the selective monitoring of catecholamines. Electrochimica Acta, 2007, 52, 3863-3869.	2.6	6
482	Investigation of alkylamine self-assembled films on iron electrodes by SEM, FT-IR, EIS and molecular simulations. Electrochimica Acta, 2007, 53, 1743-1753.	2.6	34
483	Spread monolayers: Structure, flows and dynamic self-organization phenomena. Physics Reports, 2007, 448, 163-179.	10.3	25
484	Synthesis, characterization and electrochemical behavior of unsymmetric transition metal-terminated biphenyl ethynyl thiols. Journal of Organometallic Chemistry, 2007, 692, 1530-1545.	0.8	38
485	Electrochemistry and photoelectrochemistry of photosystem I adsorbed on hydroxyl-terminated monolayers. Journal of Electroanalytical Chemistry, 2007, 599, 72-78.	1.9	70
486	Electrochemical and EQCM investigation of l-selenomethionine in adsorbed state at gold electrodes. Journal of Electroanalytical Chemistry, 2007, 599, 100-110.	1.9	12
487	Adsorption kinetic and properties of self-assembled monolayer based on mono(6-deoxy-6-mercapto)-β-cyclodextrin molecules. Journal of Electroanalytical Chemistry, 2007, 601, 181-193.	1.9	18
488	Electrodeposition of gold nanoparticles on fluorine-doped tin oxide: Control of particle density and size distribution. Journal of Electroanalytical Chemistry, 2007, 608, 1-7.	1.9	57
489	Synthetic light-activated molecular switches and motors on surfaces. Progress in Surface Science, 2007, 82, 407-434.	3.8	220

#	Article	IF	CITATIONS
490	Surface characterization and platelet compatibility evaluation of the binary mixed self-assembled monolayers. Journal of Colloid and Interface Science, 2007, 308, 474-484.	5.0	16
491	In situ Raman monitoring triazole formation from self-assembled monolayers of 1,4-diethynylbenzene on Ag and Au surfaces via "click―cyclization. Journal of Colloid and Interface Science, 2007, 311, 491-496.	5.0	33
492	A new design strategy for dispersion stabilization of Ni particles based on the surface acid and base properties of Ni particles. Journal of Colloid and Interface Science, 2007, 312, 265-271.	5.0	4
493	Size-tuneable and micro-patterned iron nanoparticles derived from biomolecules via microcontact printing SAM-modified substrates and controlled-potential electrolyses. Journal of Colloid and Interface Science, 2007, 313, 135-140.	5.0	12
494	The biomacromolecule-nanoparticle interface. Nano Today, 2007, 2, 34-43.	6.2	104
495	Potential therapeutic application of gold nanoparticles in B-chronic lymphocytic leukemia (BCLL): enhancing apoptosis. Journal of Nanobiotechnology, 2007, 5, 4.	4.2	175
496	Dynamics of Thiolate Chains on a Gold Nanoparticle. Small, 2007, 3, 386-388.	5.2	42
497	Nanostructuring with a Crosslinkable Discotic Material. Small, 2007, 3, 1438-1444.	5.2	24
498	Modulating the Conductance of a Au–octanedithiol–Au Molecular Junction. Small, 2007, 3, 2061-2065.	5.2	24
499	Microfabrication meets microbiology. Nature Reviews Microbiology, 2007, 5, 209-218.	13.6	699
500	Concentration dependent Raman study of 1,4-diethynylbenzene on gold nanoparticle surfaces. Vibrational Spectroscopy, 2007, 43, 330-334.	1.2	15
501	Hybridization of Electrodeposited Magnetic Multilayer Micropillars. IEEE Transactions on Magnetics, 2007, 43, 2439-2441.	1.2	8
502	Step by step towards understanding gold glyconanoparticles as elements of the nanoworld. Chemical Papers, 2007, 61, .	1.0	13
503	Controlling Polymorphism by Crystallization on Self-Assembled Multilayers. Crystal Growth and Design, 2007, 7, 847-850.	1.4	30
504	Emission Behavior of Fluorescently Labeled Silver Nanoshell:  Enhanced Self-Quenching by Metal Nanostructure. Journal of Physical Chemistry C, 2007, 111, 1955-1961.	1.5	43
505	Surface-Enhanced Resonance Raman Scattering of Cytochrome P450-2D6 on Coated Silver Hydrosols. Langmuir, 2007, 23, 1860-1866.	1.6	9
506	Layer-by-layer assembly as a versatile bottom-up nanofabrication technique for exploratory research and realistic application. Physical Chemistry Chemical Physics, 2007, 9, 2319.	1.3	1,143
507	Critical Role of Side-Chain Attachment Density on the Order and Device Performance of Polythiophenes. Macromolecules, 2007, 40, 7960-7965.	2.2	321

ARTICLE IF CITATIONS # Tuning plasmons on nano-structured substrates for NIR-SERS. Physical Chemistry Chemical Physics, 508 1.3 107 2007, 9, 104-109. Microcontact printing: A tool to pattern. Soft Matter, 2007, 3, 168-177. 509 1.2 447 510 Mussel-Inspired Surface Chemistry for Multifunctional Coatings. Science, 2007, 318, 426-430. 6.0 9,012 Understanding Odda^{*}Even Effects in Organic Self-Assembled Monolayers. Chemical Reviews, 2007, 107, 351 1408-1453. Rose Bengal Dye on Thiol-Terminated Bilayer for Molecular Devices. Langmuir, 2007, 23, 5195-5199. 512 1.6 11 Method for Measuring the Self-Assembly of Alkanethiols on Gold at Femtomolar Concentrations. Langmuir, 2007, 23, 6856-6863. 1.6 A Highly Selective Fluorescent Probe for Thiophenols. Angewandte Chemie - International Edition, 514 7.2 257 2007, 46, 8445-8448. The colours of nanometric gold. European Physical Journal D, 2007, 43, 91-95. 515 0.6 Polyphosphazenes as Solid Templates for the Formation of Monometallic and Bimetallic 517 1.9 7 Nanostructures. Journal of Inorganic and Organometallic Polymers and Materials, 2007, 17, 577-582. Pragmatic Studies on Protein-Resistant Self-Assembled Monolayers. Monatshefte Für Chemie, 2007, 138, 245-252. Formation and Organization of Amino Terminated Self-assembled Layers on Si(001) Surface. Nanoscale 519 3.126 Research Letters, 2007, 2, 350-354. Strategies for Controlled Placement of Nanoscale Building Blocks. Nanoscale Research Letters, 2007, 3.1 89 2, 519-545. Electrochemistry at capped platinum nanoparticle Langmuir Blodgett films: A study of the influence 521 2.6 10 of platinum amount and of number of LB layers. Electrochimica Acta, 2007, 52, 2285-2293. Self-assembled mixed monolayer containing ferrocenylthiol molecules: STM observations and 2.6 electrochemical investigations. Electrochimica Acta, 2007, 52, 4436-4442. Comparative electrochemical study of self-assembled monolayers of 2-mercaptobenzoxazole, 523 2-mercaptobenzothiazole, and 2-mercaptobenzimidazole formed on polycrystalline gold electrode. 2.6 71 Electrochimica Acta, 2007, 52, 7051-7060. Controlling the surface density of DNA on gold by electrically induced desorption. Biosensors and 524 Bioelectronics, 2007, 23, 326-331. Photopatterning of gold and copper surfaces by using self-assembled monolayers. Current Applied 525 1.1 5 Physics, 2007, 7, 522-527. Methylthiolate-induced reconstruction of Ag(111): A medium energy ion scattering study. Surface Science, 2007, 601, 50-57.

	CITATION RE	CITATION REPORT	
#	Article	IF	CITATIONS
527	Electron tunneling in the presence of adsorbed molecules. Surface Science, 2007, 601, 5715-5720.	0.8	1
528	Effects of different self-assembled monolayers on enzyme immobilization procedures in peroxidase-based biosensor development. Journal of Electroanalytical Chemistry, 2008, 612, 164-172.	1.9	55
529	Impact of the anchoring groups X (–SH, –S–S–, –SeH and –Se–Se–) of CF3(CF2)3(CH2)11X mo self-assembled on oxidised electroplated copper. Journal of Electroanalytical Chemistry, 2008, 618, 24-32.	lecules 1.9	16
530	Importance of reactant mass transfer in the reproducible preparation of self-assembled monolayers. Journal of Electroanalytical Chemistry, 2008, 622, 193-203.	1.9	9
531	Development of universal vapor-diffused molecular assembly techniques. Journal of Physics and Chemistry of Solids, 2008, 69, 1422-1427.	1.9	3
532	Rapid formation of high-quality self-assembled monolayers of dodecanethiol on polycrystalline gold under ultrasonic irradiation. Electrochimica Acta, 2008, 53, 3479-3483.	2.6	15
533	Electrocatalytic activities of gold-5-amino-2-mercaptobenzimidazole-Mn+ self-assembled monolayer complexes (Mn+: Ag+, Cu2+) for hydroquinone oxidation investigated by CV and EIS. Electrochimica Acta, 2008, 53, 4185-4192.	2.6	17
534	Experimental and theoretical studies of l-cysteine adsorbed at Ag(111) electrodes. Electrochimica Acta, 2008, 53, 6807-6817.	2.6	32
535	Electrochemical characterization of a 1,8-octanedithiol self-assembled monolayer (ODT-SAM) on a Au(111) single crystal electrode. Electrochimica Acta, 2008, 53, 8026-8033.	2.6	46
536	Development of sensor surface with recognition of molecular substructure. Sensors and Actuators B: Chemical, 2008, 130, 330-337.	4.0	9
537	The C60/Au(111) interface at room temperature: A scanning tunnelling microscopy study. Surface Science, 2008, 602, 885-892.	0.8	46
538	Molecular self-assembly guided by surface reconstruction: CH3SH monolayer on the Au(111) surface. Surface Science, 2008, 602, 2017-2024.	0.8	19
539	Micropatterning of gold substrates based on poly(propylene sulfide-bl-ethylene glycol), (PPS–PEG) background passivation and the molecular-assembly patterning by lift-off (MAPL) technique. Surface Science, 2008, 602, 2305-2310.	0.8	15
540	Synthesis of an azobenzene-linker-conjugate with tetrahedrical shape. Tetrahedron Letters, 2008, 49, 4020-4025.	0.7	35
541	2-Methyl-1,4-naphthoquinones containing 3-[N-(ω-mercaptoalkyl)alkanamide] chains: synthesis, self-assembling, and electrochemical properties. Tetrahedron Letters, 2008, 49, 6212-6216.	0.7	6
542	Fluorescence detection and imaging of amino-functionalized organic monolayer. Thin Solid Films, 2008, 516, 2541-2546.	0.8	17
543	A thermal and passivation study of self-assembled monolayers on thin gold films. Thin Solid Films, 2008, 516, 5721-5724.	0.8	7
544	Effect of lateral morphology formation of polymer blend towards patterning silane-based SAMs using selective dissolution method. Ultramicroscopy, 2008, 108, 458-464.	0.8	2

#	Article	IF	CITATIONS
545	Novel carbon nanosheets as support for ultrahigh-resolution structural analysis of nanoparticles. Ultramicroscopy, 2008, 108, 885-892.	0.8	51
546	Enhanced cell attachment using a novel cell culture surface presenting functional domains from extracellular matrix proteins. Cytotechnology, 2008, 56, 71-79.	0.7	74
547	Hybrid approaches to nanometer-scale patterning: Exploiting tailored intermolecular interactions. Journal of Nanoparticle Research, 2008, 10, 1231-1240.	0.8	18
548	Relationship Between Structure and Solubility of Thiol-Protected Silver Nanoparticles and Assemblies. Topics in Catalysis, 2008, 47, 32-41.	1.3	31
549	Surface immobilization methods for aptamer diagnostic applications. Analytical and Bioanalytical Chemistry, 2008, 390, 1009-1021.	1.9	255
550	A microarray chip for label-free detection of narcotics. Analytical and Bioanalytical Chemistry, 2008, 391, 1679-1688.	1.9	41
551	Gold nanoparticles decorated with oligo(ethylene glycol) thiols: kinetics of colloid aggregation driven by depletion forces. European Biophysics Journal, 2008, 37, 551-561.	1.2	22
552	In-situ formation and detailed analysis of imine bonds forÂtheÂconstruction of conjugated aromatic monolayers onÂAu(111). Applied Physics A: Materials Science and Processing, 2008, 93, 293-301.	1.1	8
553	An anchoring strategy for photoswitchable biosensor technology: azobenzene-modified SAMs on Si(111). Applied Physics A: Materials Science and Processing, 2008, 93, 285-292.	1.1	38
554	Square-pyramidal iron coordination modules as potential spin switches for the chemisorption on gold. Applied Physics A: Materials Science and Processing, 2008, 93, 303-311.	1.1	5
555	Fluorescence Quenching of CdTe Nanocrystals by Bound Gold Nanoparticles in Aqueous Solution. Plasmonics, 2008, 3, 3-11.	1.8	52
556	Synthesis and Microstructural Investigations of Organometallic Pd(II) Thiol-Gold Nanoparticles Hybrids. Nanoscale Research Letters, 2008, 3, 461-467.	3.1	29
557	Active-site structure, binding and redox activity of the heme–thiolate enzyme CYP2D6 immobilized on coated Ag electrodes: a surface-enhanced resonance Raman scattering study. Journal of Biological Inorganic Chemistry, 2008, 13, 85-96.	1.1	16
558	Intracellular gold nanoparticles enhance non-invasive radiofrequency thermal destruction of human gastrointestinal cancer cells. Journal of Nanobiotechnology, 2008, 6, 2.	4.2	226
559	Achieving Precision and Reproducibility for Writing Patterns of <i>n</i> â€alkanethiol Selfâ€assembled Monolayers with Automated Nanografting. Scanning, 2008, 30, 123-136.	0.7	16
560	Understanding the properties of interfaces between organic selfâ€assembled monolayers and noble metals—a theoretical perspective. Surface and Interface Analysis, 2008, 40, 371-378.	0.8	41
561	Selfâ€Assembledâ€Monolayer Formation of Long Alkanedithiols in Molecular Junctions. Small, 2008, 4, 100-104.	5.2	69
562	Polyethylene Glycol as a Novel Resist and Sacrificial Material for Generating Positive and Negative Nanostructures. Small, 2008, 4, 920-924.	5.2	22

#	Article	IF	CITATIONS
563	Highâ€Fidelity Formation of a Molecularâ€Junction Device Using a Thicknessâ€Controlled Bilayer Architecture. Small, 2008, 4, 1399-1405.	5.2	24
564	A Selfâ€Correcting Inking Strategy for Cantilever Arrays Addressed by an Inkjet Printer and Used for Dipâ€Pen Nanolithography. Small, 2008, 4, 1666-1670.	5.2	35
565	Development of Polymerâ€Encapsulated Metal Nanoparticles as Surfaceâ€Enhanced Raman Scattering Probes. Small, 2009, 5, 198-202.	5.2	145
566	Exploring the reactivity of mixed ωâ€functionalized undecanethiol selfâ€assembled monolayers—A DFT study. International Journal of Quantum Chemistry, 2008, 108, 1792-1795.	1.0	17
567	Molecular beam deposition and characterization of thin organic films on metals for applications in organic electronics. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 497-510.	0.8	49
568	Evaluation of a new matrixâ€free laser desorption/ionization method through statistic studies: comparison of the DIAMS (desorption/ionization on selfâ€assembled monolayer surface) method with the MALDI and TGFAâ€LDI techniques. Journal of Mass Spectrometry, 2008, 43, 1618-1626.	0.7	15
569	Binary Reactive/Inert Nonâ€Fouling Polymeric Surfaces. Macromolecular Rapid Communications, 2008, 29, 1937-1943.	2.0	6
570	Adlayer structure of octaâ€elkoxyâ€substituted copper(II) phthalocyanine on Au(111) by electrochemical scanning tunneling microscopy. Microscopy Research and Technique, 2008, 71, 20-25.	1.2	3
571	Sample preparation for the quick sizing of metal nanoparticles by atomic force microscopy. Microscopy Research and Technique, 2008, 71, 870-879.	1.2	9
572	Preparation and SERS study of triangular silver nanoparticle selfâ€assembled films. Journal of Raman Spectroscopy, 2008, 39, 1673-1678.	1.2	39
573	Globotrioseâ€Functionalized Gold Nanoparticles as Multivalent Probes for Shigaâ€like Toxin. ChemBioChem, 2008, 9, 1100-1109.	1.3	103
574	Supramolecular Domains in Mixed Peptide Selfâ€Assembled Monolayers on Gold Nanoparticles. ChemBioChem, 2008, 9, 2127-2134.	1.3	42
575	Liveâ€Cell Fluorescence Microscopy of Directed Cell Migration on Partially Etched Electroactive SAM Gold Surfaces. ChemBioChem, 2008, 9, 2220-2224.	1.3	19
576	Microfluidic Lithography to Create Dynamic Gradient SAM Surfaces for Spatioâ€ŧemporal Control of Directed Cell Migration. ChemBioChem, 2008, 9, 2628-2632.	1.3	27
577	Isomeric Control of Protein Recognition with Amino Acid―and Dipeptideâ€Functionalized Gold Nanoparticles. Chemistry - A European Journal, 2008, 14, 143-150.	1.7	56
578	Design of Hydrophobic Polyoxometalate Hybrid Assemblies Beyond Surfactant Encapsulation. Chemistry - A European Journal, 2008, 14, 2349-2354.	1.7	141
579	Dipodal Ferroceneâ€Based Adsorbate Molecules for Selfâ€Assembled Monolayers on Gold. Chemistry - A European Journal, 2008, 14, 4346-4360.	1.7	39
580	Structural Control of the Horizontal Double Fixation of Oligothiophenes on Gold. Chemistry - A European Journal, 2008, 14, 6237-6246.	1.7	9

#	Article	IF	Citations
581	Proteinâ€Resistant Surfaces through Mild Dopamine Surface Functionalization. Chemistry - A European Journal, 2008, 14, 10579-10584.	1.7	70
582	Electrochemical Functionalization of Carbon Surfaces by Aromatic Azide or Alkyne Molecules: A Versatile Platform for Click Chemistry. Chemistry - A European Journal, 2008, 14, 9286-9291.	1.7	136
583	Maßgeschneiderte Organische Oberflähen. Dünnstschichten. Chemie in Unserer Zeit, 2008, 42, 128-141.	0.1	5
584	Instability of selfâ€assembled monolayers as a model material system for macrophage/FBGC cellular behavior. Journal of Biomedical Materials Research - Part A, 2008, 86A, 261-268.	2.1	22
585	Straightforward Synthesis of Fluorinated Amphiphilic Thiols. European Journal of Organic Chemistry, 2008, 2008, 3308-3313.	1.2	18
586	Electrochemical Characterization of In Situ Functionalized Gold Cysteamine Selfâ€Assembled Monolayer with 4â€Formylphenylboronic Acid for Detection of Dopamine. Electroanalysis, 2008, 20, 550-557.	1.5	35
587	Advances in Interfacial Design for Electrochemical Biosensors and Sensors: Aryl Diazonium Salts for Modifying Carbon and Metal Electrodes. Electroanalysis, 2008, 20, 573-582.	1.5	240
588	A Novel Electrochemical DNA Biosensor Fabricated with Layerâ€byâ€Layer Covalent Attachment of Multiwalled Carbon Nanotubes and Gold Nanoparticles. Electroanalysis, 2008, 20, 1220-1226.	1.5	60
589	Influence of the Chain Length of Alkanethiols in Selfâ€Assembled Submonolayers on the Electrochemical Response of Aromatic Amine Mixtures. Electroanalysis, 2008, 20, 2614-2620.	1.5	4
590	Nonfouling biomaterials based on polyethylene oxide ontaining amphiphilic triblock copolymers as surface modifying additives: Synthesis and characterization of copolymers and surface properties of copolymer‑'polyurethane blends. Journal of Applied Polymer Science, 2008, 108, 1617-1628.	1.3	25
591	Directing the Structure of Metal–Organic Frameworks by Oriented Surface Growth on an Organic Monolayer. Angewandte Chemie - International Edition, 2008, 47, 5777-5779.	7.2	175
592	Electronâ€Beam Chemical Lithography with Aliphatic Selfâ€Assembled Monolayers. Angewandte Chemie - International Edition, 2008, 47, 1421-1424.	7.2	102
593	Subnanometerâ€Resolved Patterning of Bicomponent Selfâ€Assembled Monolayers on Au(111). Angewandte Chemie - International Edition, 2008, 47, 2484-2488.	7.2	22
594	Lightâ€Powered Electrical Switch Based on Cargoâ€Lifting Azobenzene Monolayers. Angewandte Chemie - International Edition, 2008, 47, 3407-3409.	7.2	276
595	Monolayerâ€Barcoded Nanoparticles for Onâ€Chip DNA Hybridization Assay. Angewandte Chemie - International Edition, 2008, 47, 5009-5012.	7.2	64
596	Seeing Molecules by Eye: Surface Plasmon Resonance Imaging at Visible Wavelengths with High Spatial Resolution and Submonolayer Sensitivity. Angewandte Chemie - International Edition, 2008, 47, 5013-5017.	7.2	62
597	Selfâ€Assembled Monolayers of Compact Phosphanes with Alkanethiolate Pendant Groups: Remarkable Reusability and Substrate Selectivity in Rh Catalysis. Angewandte Chemie - International Edition, 2008, 47, 5627-5630.	7.2	45
598	Chemical Strategies for Generating Protein Biochips. Angewandte Chemie - International Edition, 2008, 47, 9618-9647.	7.2	551

#	Article	IF	CITATIONS
599	Intramolecular Dipole Coupling and Depolarization in Selfâ€Assembled Monolayers. Advanced Functional Materials, 2008, 18, 2228-2236.	7.8	57
600	Novel Strategies for the Deposition of COOH Functionalized Conducting Copolymer Films and the Assembly of Inorganic Nanoparticles on Conducting Polymer Platforms. Advanced Functional Materials, 2008, 18, 1929-1938.	7.8	52
601	Electropolymerized Selfâ€Assembled Monolayers of a 3,4â€Ethylenedioxythiopheneâ€Thiophene Hybrid System. Advanced Functional Materials, 2008, 18, 2163-2171.	7.8	32
602	The Dielectric Constant of Selfâ€Assembled Monolayers. Advanced Functional Materials, 2008, 18, 3999-4006.	7.8	101
603	Bimaterial Microcantilevers as a Hybrid Sensing Platform. Advanced Materials, 2008, 20, 653-680.	11.1	172
604	Nanobiomaterials and Nanoanalysis: Opportunities for Improving the Science to Benefit Biomedical Technologies. Advanced Materials, 2008, 20, 867-877.	11.1	185
605	Nanopatterned Selfâ€Assembled Monolayers by Using Diblock Copolymer Micelles as Nanometerâ€Scale Adsorption and Etch Masks. Advanced Materials, 2008, 20, 1962-1965.	11.1	16
606	Applications of Nanoparticles in Biology. Advanced Materials, 2008, 20, 4225-4241.	11.1	1,376
607	Reversible Conductance Switching in Molecular Devices. Advanced Materials, 2008, 20, 1467-1473.	11.1	244
616	Controlling the formation of gold nanoparticle domains onto inorganic substrates. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 1709-1711.	1.3	1
617	Making contact: Connecting molecules electrically to the macroscopic world. Progress in Surface Science, 2008, 83, 217-261.	3.8	179
618	Demonstration of surface sensing using long-range surface plasmon waveguides on silica. Sensors and Actuators B: Chemical, 2008, 134, 455-461.	4.0	32
619	Organometallic chemistry and catalysis on gold metal surfaces. Journal of Organometallic Chemistry, 2008, 693, 847-856.	0.8	51
620	Synthesis and characterization of gold nanoparticles stabilized by palladium(II) phosphine thiol. Journal of Organometallic Chemistry, 2008, 693, 1043-1048.	0.8	31
621	Resonance Raman process and photo-induced phase transition via 632.8nm irradiation for diacetylene monocarboxylic acid derivative self-assembled layers on Ag surfaces. Journal of Photochemistry and Photobiology A: Chemistry, 2008, 194, 356-361.	2.0	6
622	Studies of protection of self-assembled films by 2-mercapto-5-methyl-1,3,4-thiadiazole on iron surface in 0.1M H2SO4 solutions. Journal of Electroanalytical Chemistry, 2008, 612, 257-268.	1.9	62
623	Dissolution kinetics of octadecanethiolate monolayers electro-adsorbed on Au(111). Journal of Electroanalytical Chemistry, 2008, 621, 267-276.	1.9	22
624	Structure and redox behavior of azobenzene-containing monolayers on Au(111): A combined STM, X-ray reflectivity, and voltammetry study. Journal of Electroanalytical Chemistry, 2008, 619-620, 152-158.	1.9	17

#	Article	IF	CITATIONS
625	An optimised electrode pre-treatment for SAM formation on polycrystalline gold. Journal of Electroanalytical Chemistry, 2008, 621, 117-120.	1.9	90
626	Electrochemical kinetic analysis of a 1,4-hydroxynaphthoquinone self-assembled monolayer. Journal of Electroanalytical Chemistry, 2008, 622, 37-43.	1.9	38
627	Synthesis of 1,4-hydroquinone-terminated alkanethiol and self-assembly on gold as characterized by interfacial electrochemistry, electrocatalysis application and ab initio calculation based on comparison with catechol-presenting analogue. Journal of Electroanalytical Chemistry, 2008, 623, 49-53.	1.9	10
628	Study of the solvent effect on the quality of dodecanethiol self-assembled monolayers on polycrystalline gold. Journal of Electroanalytical Chemistry, 2008, 624, 315-322.	1.9	38
629	Drug delivery from gold and titanium surfaces using self-assembled monolayers. Biomaterials, 2008, 29, 4561-4573.	5.7	94
630	Dipyrromethene–dodecanethiol self-assembled monolayers deposited onto gold electrodes. Electrochimica Acta, 2008, 53, 7932-7940.	2.6	18
631	Silicon oxide surface functionalization by self-assembled nanolayers for microcantilever transducers. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 321, 87-93.	2.3	11
632	Detection of non-cross-linking interaction between DNA-modified gold nanoparticles and a DNA-modified flat gold surface using surface plasmon resonance imaging on a microchip. Colloids and Surfaces B: Biointerfaces, 2008, 62, 71-76.	2.5	22
633	Anomalous adsorptive properties of HIV protease: Indication of two-dimensional crystallization?. Colloids and Surfaces B: Biointerfaces, 2008, 64, 145-149.	2.5	3
634	DFT studies on the phenol and thiophenol interaction on an undecagold cluster surface. Chemical Physics Letters, 2008, 455, 64-71.	1.2	16
635	Formation process of micrometer-sized pseudoisocyanine J-aggregates studied by single-aggregate fluorescence spectroscopy. Chemical Physics Letters, 2008, 457, 427-433.	1.2	7
636	A SERS study of the molecular structure of alkanethiol monolayers on Ag nanocubes in the presence of aqueous glucose. Chemical Physics Letters, 2008, 463, 166-171.	1.2	42
637	Label free electrochemical DNA hybridization discrimination effects at the binary and ternary mixed monolayers of single stranded DNA/diluent/s in presence of cationic intercalators. Biosensors and Bioelectronics, 2008, 23, 1250-1258.	5.3	39
638	Efficient one-cycle affinity selection of binding proteins or peptides specific for a small-molecule using a T7 phage display pool. Bioorganic and Medicinal Chemistry, 2008, 16, 9837-9846.	1.4	24
639	Photoactivated enediynes as targeted antitumoral agents: Efficient routes to antibody and gold nanoparticle conjugates. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 934-937.	1.0	32
640	Stimuli-responsive hydrogel–silver nanoparticles composite for development of localized surface plasmon resonance-based optical biosensor. Analytica Chimica Acta, 2008, 611, 205-211.	2.6	119
641	Electrochemical effects of coordination to Ru(III) anchored on a gold electrode via a self-assembled mercaptoacetate. Inorganic Chemistry Communication, 2008, 11, 300-302.	1.8	2
642	Synthetic and structural chemistry of groups 11 and 12 metal complexes of the zwitterionic ammonium thiolate ligands. Coordination Chemistry Reviews, 2008, 252, 2026-2049.	9.5	52

	CITATION	Report	
#	Article	IF	CITATIONS
643	Thermal dissociation of HSCH2CH2OH on Cu(111). Surface Science, 2008, 602, 3266-3271.	0.8	1
644	Characterization of mixed self-assembled monolayers for immobilization of streptavidin using chemical force microscopy. Ultramicroscopy, 2008, 108, 1140-1143.	0.8	10
645	Fast displacement and structural transition of cyclohexanethiol self-assembled monolayers by octanethiols on Au (111). Ultramicroscopy, 2008, 108, 1311-1314.	0.8	20
646	Chemically-modified nanopores for sensing. TrAC - Trends in Analytical Chemistry, 2008, 27, 627-639.	5.8	182
647	Study on the intermolecular interactions between the functional moieties in ferrocene-terminated alkanethiol self-assembled monolayer on gold. Thin Solid Films, 2008, 516, 3051-3057.	0.8	22
648	Thermal effect on superhydrophobic performance of stearic acid modified ZnO nanotowers. Applied Surface Science, 2008, 254, 2690-2695.	3.1	104
649	First-principles calculations of ethanethiol adsorption and decomposition on GaN (0001) surface. Applied Surface Science, 2008, 254, 6514-6520.	3.1	10
650	ToF-SIMS study on the cleaning methods of Au surface and their effects on the reproducibility of self-assembled monolayers. Applied Surface Science, 2008, 255, 1025-1028.	3.1	26
651	Aliphatic dithiocarboxylic acids: New adsorbates for soft lithographic patterning. Applied Surface Science, 2008, 254, 7064-7068.	3.1	11
652	Molecular-scale investigation of octanethiol self-assembled monolayers on Au(111) prepared by solution and vapor deposition at high temperature. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 313-314, 324-327.	2.3	15
653	Control of two-dimensional structure of tolanethioacetate self-assembled monolayers on Au(111). Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 313-314, 608-611.	2.3	9
654	Analysis of a non-labeling protein array on biotin modified gold surfaces using atomic force microscopy and surface plasmon resonance. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 313-314, 541-544.	2.3	13
655	A facile route to stabilize SERS-marker molecules on μAg particles: Layer-by-layer deposition of polyelectrolytes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 316, 1-7.	2.3	20
656	Synthesis of poly(ethylene oxide)-based thermoresponsive block copolymers by RAFT radical polymerization and their uses for preparation of gold nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 317, 496-503.	2.3	36
657	Room-temperature ionic liquid as a new solvent to prepare high-quality dodecanethiol self-assembled monolayers on polycrystalline gold. Electrochemistry Communications, 2008, 10, 587-591.	2.3	21
658	Rapid formation of well-ordered self-assembled monolayers of dodecanethiol on polycrystalline gold by microwave irradiation. Electrochemistry Communications, 2008, 10, 582-586.	2.3	11
659	Potential of zero charge as a sensitive probe for the titration of ionizable self-assembled monolayers. Electrochemistry Communications, 2008, 10, 1548-1550.	2.3	15
660	Hydroxamation of gold surface via in-situ layer-by-layer functionalization of cysteamine self-assembled monolayer: Preparation and electrochemical characterization. Electrochimica Acta, 2008, 53, 6293-6303.	2.6	60

	CITATION	Report	
#	Article	IF	CITATIONS
661	A new cleaning methodology for efficient Au-SAM removal. Electrochimica Acta, 2008, 53, 7681-7689.	2.6	20
662	Electrochemical fabrication of a heterogeneous binary SAM on polycrystalline Au. Electrochimica Acta, 2008, 54, 388-393.	2.6	23
663	Phosphane copper(I) formate complexes stabilized by formic acid and acetic acid through H⋯O⋯H bridges. Inorganica Chimica Acta, 2008, 361, 95-102.	1.2	16
664	Insertion of a functionalised single molecule magnet into preformed self-assembled monolayers. Inorganica Chimica Acta, 2008, 361, 3944-3950.	1.2	3
665	Direct growth of Cu3(BTC)2(H2O)3·xH2O thin films on modified QCM-gold electrodes – Water sorption isotherms. Microporous and Mesoporous Materials, 2008, 114, 380-386.	2.2	181
666	Development of a ReaxFF description for gold. European Physical Journal B, 2008, 66, 75-79.	0.6	58
667	Superhydrophobic surfaces: from structural control to functional application. Journal of Materials Chemistry, 2008, 18, 621-633.	6.7	1,560
668	Rapid room-temperature synthesis of silver nanoplates with tunable in-plane surface plasmon resonance from visible to near-IR. Journal of Materials Chemistry, 2008, 18, 2673.	6.7	40
669	Facile Construction of Sulfanyl-Terminated Poly(ethylene glycol)-Brushed Layer on a Gold Surface for Protein Immobilization by the Combined Use of Sulfanyl-Ended Telechelic and Semitelechelic Poly(ethylene glycol)s. Langmuir, 2008, 24, 9623-9629.	1.6	31
670	Surface-Enhanced Raman Spectroscopy. Annual Review of Analytical Chemistry, 2008, 1, 601-626.	2.8	2,684
671	Mass Spectrometry of Self-Assembled Monolayers: A New Tool for Molecular Surface Science. ACS Nano, 2008, 2, 7-18.	7.3	186
672	Synthesis and Stability of Monolayer-Protected Au38 Clusters. Journal of the American Chemical Society, 2008, 130, 11049-11055.	6.6	168
673	SERS as a bioassay platform: fundamentals, design, and applications. Chemical Society Reviews, 2008, 37, 1001.	18.7	530
674	Lithographic mechanical break junctions for single-molecule measurements in vacuum: possibilities and limitations. New Journal of Physics, 2008, 10, 065008.	1.2	123
675	X-ray Diffraction and Computation Yield the Structure of Alkanethiols on Gold(111). Science, 2008, 321, 943-946.	6.0	279
676	Digital Information Processing in Molecular Systems. Chemical Reviews, 2008, 108, 3481-3548.	23.0	777
677	Surface Plasmon Resonance Analysis of Alzheimer's β-Amyloid Aggregation on a Solid Surface:  From Monomers to Fully-Grown Fibrils. Analytical Chemistry, 2008, 80, 2400-2407.	3.2	67
678	Cold Electrodes Modified with Self-Assembled Monolayers for Measuring L-Ascorbic Acid: An Undergraduate Analytical Chemistry Laboratory Experiment. Journal of Chemical Education, 2008, 85, 1112.	1.1	4

#	Article	IF	CITATIONS
679	Formation of surface layers on silver nanoparticles in aqueous and water-organic media. Colloid Journal, 2008, 70, 71-76.	0.5	39
680	Biological properties of "naked―metal nanoparticlesâ~†. Advanced Drug Delivery Reviews, 2008, 60, 1289-1306.	6.6	771
681	Functionalizing hydrogen-bonded surface networks with self-assembled monolayers. Nature, 2008, 454, 618-621.	13.7	358
682	Electronic functionalization of the surface ofÂorganic semiconductors with self-assembled monolayers. Nature Materials, 2008, 7, 84-89.	13.3	195
683	Biosensing with plasmonic nanosensors. Nature Materials, 2008, 7, 442-453.	13.3	6,152
684	Upscaling, integration and electrical characterization of molecular junctions. Nature Nanotechnology, 2008, 3, 749-754.	15.6	92
685	Polymorph control: past, present and future. Drug Discovery Today, 2008, 13, 198-210.	3.2	284
686	XPS study of the assembling morphology of 3-hydroxy-3-phosphono-butiric acid tert-butyl ester on variously pretreated Al surfaces. Progress in Organic Coatings, 2008, 63, 272-281.	1.9	14
687	Preparation of uncoated iron oxide nanoparticles by thermal decarboxylation of iron hydroxide cetylsulfonyl acetate in solution. Materials Letters, 2008, 62, 219-221.	1.3	11
688	Gold immuno-functionalisation via self-assembled monolayers: Study of critical parameters and comparative performance for protein and bacteria detection. Journal of Immunological Methods, 2008, 336, 203-212.	0.6	29
689	Cantilever biosensors. Analyst, The, 2008, 133, 855.	1.7	239
690	Calcium Carbonate Storage in Amorphous Form and Its Template-Induced Crystallization. Chemistry of Materials, 2008, 20, 1064-1068.	3.2	91
691	Binding between Carbon and the Au(111) Surface and What Makes It Different from the Sâ^'Au(111) Bond. Journal of Physical Chemistry C, 2008, 112, 17611-17617.	1.5	35
692	Charge Transport in Nanoparticle Assemblies. Chemical Reviews, 2008, 108, 4072-4124.	23.0	460
693	Assembly of Dithiocarbamate-Anchored Monolayers on Gold Surfaces in Aqueous Solutions. Langmuir, 2008, 24, 8660-8666.	1.6	57
694	Size Limitations for the Formation of Ordered Striped Nanoparticles. Journal of the American Chemical Society, 2008, 130, 798-799.	6.6	100
695	On the self assembly of short chain alkanedithiols. Physical Chemistry Chemical Physics, 2008, 10, 6836.	1.3	62
696	Water-soluble amphiphilic gold nanoparticles with structured ligand shells. Chemical Communications, 2008, , 196-198.	2.2	93

ARTICLE IF CITATIONS # Scanning Electrochemical Microscopy. 59. Effect of Defects and Structure on Electron Transfer 697 1.6 64 through Self-Assembled Monolayers. Langmuir, 2008, 24, 2841-2849. Reduction-Induced Switching of Single-Molecule Conductance of Fullerene Derivatives. Journal of 1.2 Physical Chemistry B, 2008, 112, 10563-10572. Effect of Electrode Roughness On the Capacitive Behavior of Self-Assembled Monolayers. Analytical 699 3.2 63 Chemistry, 2008, 80, 7670-7677. An Entropic Perspective of Protein Stability on Surfaces. Biophysical Journal, 2008, 94, 4473-4483. 700 0.2 Formation of Ordered Self-Assembled Monolayers by Adsorption of Octylthiocyanates on Au(111). 701 1.6 48 Langmuir, 2008, 24, 91-96. Multiple Surface Functionalities through Step-by-Step Hydrolysis of Self-Assembled Monolayers. Chemistry of Materials, 2008, 20, 5197-5202. 3.2 Membrane-substrate interface: Phospholipid bilayers at chemically and topographically structured 703 0.6 16 surfaces. Biointerphases, 2008, 3, FA22-FA32. Water at polar and nonpolar solid walls (Review). Biointerphases, 2008, 3, FC23-FC39. 704 0.6 93 Controlled Assembly of Eccentrically Encapsulated Gold Nanoparticles. Journal of the American 705 201 6.6 Chemical Society, 2008, 130, 11858-11859. Gold Nanostars For Surface-Enhanced Raman Scattering: Synthesis, Characterization and 1.5 608 Optimization. Journal of Physical Chemistry C, 2008, 112, 18849-18859. Synthesis and Self-Assembly of Thio Derivatives of Calix[4] arene on Noble Metal Surfaces. Langmuir, 707 1.6 27 2008, 24, 11523-11532. Temperature-Responsive Self-Assembled Monolayers of Oligo(ethylene glycol): Control of 109 Biomolecular Recognition. ACS Nano, 2008, 2, 757-765. Challenges and breakthroughs in recent research on self-assembly. Science and Technology of 709 2.8 695 Advanced Materials, 2008, 9, 014109. Combining Self-Assembled Monolayers and Mass Spectrometry for Applications in Biochips. Annual 2.8 66 Review of Analytical Chemistry, 2008, 1, 767-800. Unimolecular electronics. Journal of Materials Chemistry, 2008, 18, 4364. 711 145 6.7 The Interface Energetics of Self-Assembled Monolayers on Metals. Accounts of Chemical Research, 371 2008, 41, 721-729 Cheap and Robust Ultraflat Gold Surfaces Suitable for High-Resolution Surface Modification. 713 1.6 22 Langmuir, 2008, 24, 821-825. 714 Bulk and surface sensitivities of surface plasmon waveguides. New Journal of Physics, 2008, 10, 105010. 1.2

#	Article	IF	CITATIONS
715	DNA-Mediated Electrochemistry. Bioconjugate Chemistry, 2008, 19, 2285-2296.	1.8	146
716	Synthesis of mercaptothiadiazole-functionalized gold nanoparticles and their self-assembly on Au substrates. Nanotechnology, 2008, 19, 085602.	1.3	107
717	Controlled assembly of large π-conjugated aromatic thiols on Au(111). Nanotechnology, 2008, 19, 135605.	1.3	12
718	Redox-linked protein dynamics of cytochrome c probed by time-resolved surface enhanced infrared absorption spectroscopy. Physical Chemistry Chemical Physics, 2008, 10, 5276.	1.3	62
719	Single-Molecule Electron Transfer in Electrochemical Environments. Chemical Reviews, 2008, 108, 2737-2791.	23.0	276
720	Gas-Phase Ion-Mobility Characterization of SAM-Functionalized Au Nanoparticles. Langmuir, 2008, 24, 8483-8490.	1.6	74
721	Comprehensive Investigation of Self-Assembled Monolayer Formation on Ferromagnetic Thin Film Surfaces. Journal of the American Chemical Society, 2008, 130, 9763-9772.	6.6	47
723	Correlation between the Molecular Structure and Photoresponse in Aliphatic Self-Assembled Monolayers with Azobenzene Tailgroups. Langmuir, 2008, 24, 11691-11700.	1.6	64
724	Modular poly(ethylene glycol) ligands for biocompatible semiconductor and gold nanocrystals with extended pH and ionic stability. Journal of Materials Chemistry, 2008, 18, 4949.	6.7	205
725	Atomic contributions to friction and load for tip–self-assembled monolayers interactions. Physical Review B, 2008, 78, .	1.1	28
726	Heterogeneous Ozone Oxidation Reactions of 1-Pentene, Cyclopentene, Cyclohexene, and a Menthenol Derivative Studied by Sum Frequency Generation. Journal of Physical Chemistry A, 2008, 112, 11688-11698.	1.1	58
727	The Erratic Emission of Pyrene on Gold Nanoparticles. ACS Nano, 2008, 2, 77-84.	7.3	60
728	Fullerene-Based Anchoring Groups for Molecular Electronics. Journal of the American Chemical Society, 2008, 130, 13198-13199.	6.6	282
729	High-Field ¹⁷ 0 MAS NMR Investigation of Phosphonic Acid Monolayers on Titania. Chemistry of Materials, 2008, 20, 5191-5196.	3.2	130
730	Molecular Theory of Chemically Modified Electrodes by Redox Polyelectrolytes under Equilibrium Conditions:  Comparison with Experiment. Journal of Physical Chemistry C, 2008, 112, 458-471.	1.5	64
731	<i>In situ</i> photoelectron spectroscopy study of water adsorption on model biomaterial surfaces. Journal of Physics Condensed Matter, 2008, 20, 184024.	0.7	34
732	Self-assembly of amphiphilic gold nanoparticles decorated with a mixed shell of oligo(p-phenylene) Tj ETQq0 0 0	rgBT_/Over 6.7	lock 10 Tf 50

733	Effect of Molecular Conformations on the Adsorption Behavior of Gold-Binding Peptides. Langmuir, 2008, 24, 12440-12445.	1.6	190
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#	Article	IF	CITATIONS
734	Functional Molecules and Assemblies in Controlled Environments: Formation and Measurements. Accounts of Chemical Research, 2008, 41, 1772-1781.	7.6	98
735	Adsorption of 4-Mercaptopyridine on Au(111): A Periodic DFT Study. Langmuir, 2008, 24, 13985-13992.	1.6	50
736	Selective Photothermal Therapy for Mixed Cancer Cells Using Aptamer-Conjugated Nanorods. Langmuir, 2008, 24, 11860-11865.	1.6	214
737	Adsorption geometry variation of 1,4-benzenedimethanethiol self-assembled monolayers on Au(111) grown from the vapor phase. Journal of Chemical Physics, 2008, 128, 134711.	1.2	42
738	Detection of Mismatched DNA on Partially Negatively Charged Diamond Surfaces by Optical and Potentiometric Methods. Journal of the American Chemical Society, 2008, 130, 13251-13263.	6.6	62
739	The Quartz Crystal Microbalance. Handbook of Thermal Analysis and Calorimetry, 2008, 5, 133-169.	1.6	8
740	Stability of Self-Assembled Monolayers on Titanium and Gold. Langmuir, 2008, 24, 6774-6784.	1.6	134
741	Two-Tiered Designer Architecture for Matrix-Free LDI-TOF MS of a Self-Assembled Monolayer. Journal of Physical Chemistry C, 2008, 112, 11078-11081.	1.5	9
742	Thermal and Hyperthermal Collision-Energy Depositions of Transition Metalâ^'Benzene Sandwich Complexes onto a Self-Assembled <i>n</i> -Octadecanethiol Monolayer. Journal of Physical Chemistry C, 2008, 112, 6891-6899.	1.5	22
743	Protein Arrays on Patterned Porous Gold Substrates Interrogated with Mass Spectrometry:  Detection of Peptides in Plasma. Analytical Chemistry, 2008, 80, 1448-1458.	3.2	47
744	Synthesis and Electrochemiluminescence of a Ru(bpy) ₃ -Labeled Coupling Adduct Produced on a Self-Assembled Monolayer. Journal of Physical Chemistry C, 2008, 112, 2949-2957.	1.5	22
745	Electroactive Dipyrrometheneâ~'Cu(II) Self-Assembled Monolayers: Complexation Reaction on the Surface of Gold Electrodes. Langmuir, 2008, 24, 11239-11245.	1.6	30
746	Grafting of Monocarboxylic Substituted Polychlorotriphenylmethyl Radicals onto a COOH-Functionalized Self-Assembled Monolayer through Copper (II) Metal Ions. Langmuir, 2008, 24, 6640-6648.	1.6	54
747	Emerging Environmental Technologies. , 2008, , .		6
748	DFT Study of Dissociative Adsorption of Hydrogen Sulfide on Cu(111) and Au(111). Langmuir, 2008, 24, 14022-14026.	1.6	56
749	Water-Soluble Gold Nanoparticles Protected by Fluorinated Amphiphilic Thiolates. Journal of the American Chemical Society, 2008, 130, 15678-15682.	6.6	75
750	Bent-core liquid crystal (LC) decorated gold nanoclusters: synthesis, self-assembly, and effects in mixtures with bent-core LC hosts. Journal of Materials Chemistry, 2008, 18, 2983.	6.7	74
751	Electrical conduction through single molecules and self-assembled monolayers. Journal of Physics Condensed Matter, 2008, 20, 013001.	0.7	232

#	Article	IF	CITATIONS
752	Self-Assembled Monolayers of Electroactive Polychlorotriphenylmethyl Radicals on Au(111). Journal of the American Chemical Society, 2008, 130, 5499-5506.	6.6	62
753	Exploring Electronic Transport in Molecular Junctions by Conducting Atomic Force Microscopy. Topics in Current Chemistry, 2008, 285, 157-202.	4.0	21
754	Interaction of Coinage Metal Clusters with Chalcogen Dihydrides. Journal of Physical Chemistry A, 2008, 112, 7969-7975.	1.1	37
755	Nanoparticle MALDI-TOF Mass Spectrometry without Fragmentation: Au ₂₅ (SCH ₂ CH ₂ Ph) ₁₈ and Mixed Monolayer Au ₂₅ (SCH ₂ CH ₂ Ph) _{18â^3<i>x</i>} (L) _{<i>x</i>} . Iournal of the American Chemical Society. 2008. 130. 5940-5946.	6.6	329
756	Nuclear Coupling and Polarization in Molecular Transport Junctions: Beyond Tunneling to Function. Science, 2008, 319, 1056-1060.	6.0	273
757	Monolayers and Multilayers of Conjugated Polymers as Nanosized Electronic Components. Accounts of Chemical Research, 2008, 41, 1098-1109.	7.6	98
758	Spontaneously Formed Sulfur Adlayers on Gold in Electrolyte Solutions: Adsorbed Sulfur or Gold Sulfide?. Journal of Physical Chemistry C, 2008, 112, 11394-11402.	1.5	87
759	Functional Core/Shell Nanoparticles via Layer-by-Layer Assembly. Investigation of the Experimental Parameters for Controlling Particle Aggregation and for Enhancing Dispersion Stability. Langmuir, 2008, 24, 1778-1789.	1.6	191
760	Porphyrazines: Designer Macrocycles by Peripheral Substituent Change. Australian Journal of Chemistry, 2008, 61, 235.	0.5	60
761	Nanoskiving: A New Method To Produce Arrays of Nanostructures. Accounts of Chemical Research, 2008, 41, 1566-1577.	7.6	135
762	A Synthetic Surface that Undergoes Spatiotemporal Remodeling. Nano Letters, 2008, 8, 3336-3340.	4.5	7
763	Amidation of Monolayers on Silicon in Physiological Buffers:  A Quantitative IR Study. Journal of Physical Chemistry C, 2008, 112, 7158-7167.	1.5	51
764	Interactions Between Milk Proteins and Exopolysaccharides Produced by Lactococcus lactis Observed by Scanning Electron Microscopy. Journal of Dairy Science, 2008, 91, 2583-2590.	1.4	62
765	Three-component zipper assembly of photoactive cascade architectures with blue, red and colorless naphthalenediimide donors and acceptors. Organic and Biomolecular Chemistry, 2008, 6, 3970.	1.5	16
766	Self-Assembled Monolayer Formation on Molybdenum with Octadecyltrichlorosilane and Phenethyltrichlorosilane and Measurement of Molybdenum–Pentacene Interface Properties. Journal of the Electrochemical Society, 2008, 155, H357.	1.3	13
767	Characterization of ï‰-Functionalized Undecanethiol Mixed Self-Assembled Monolayers on Au(111):  A Combined Polarization Modulation Infrared Reflectionâ^'Absorption Spectroscopy/X-ray Photoelectron Spectroscopy/Periodic Density Functional Theory Study. Journal of Physical Chemistry C. 2008. 112. 182-190.	1.5	61
768	Nanoparticle Organization by a Co(II) Coordination Chemistry Directed Recognition Reaction. Journal of Physical Chemistry C, 2008, 112, 10100-10107.	1.5	11
769	QCM-D Analysis of the Performance of Blocking Agents on Gold and Polystyrene Surfaces. Langmuir, 2008, 24, 8695-8700.	1.6	97

#	Article	IF	CITATIONS
770	A general and efficient method to form self-assembled cucurbit[n]uril monolayers on gold surfaces. Chemical Communications, 2008, , 1989.	2.2	123
771	Formation of epitaxial gold nanoislands on (100) silicon. Physical Review B, 2008, 78, .	1.1	50
772	Targeted Photothermal Lysis of the Pathogenic Bacteria, <i>Pseudomonas aeruginosa</i> , with Gold Nanorods. Nano Letters, 2008, 8, 302-306.	4.5	467
773	Covalent Attachment of Organic Monolayers to Silicon Carbide Surfaces. Langmuir, 2008, 24, 4007-4012.	1.6	104
774	One-Step Photochemical Attachment of NHS-Terminated Monolayers onto Silicon Surfaces and Subsequent Functionalization. Langmuir, 2008, 24, 7931-7938.	1.6	78
775	Synthesis and Surface Self-Assembly of [3]Rotaxaneâ~'Porphyrin Conjugates: Toward the Development of a Supramolecular Surface Tweezer for C60. Langmuir, 2008, 24, 10865-10873.	1.6	28
776	Impedance-Based Biosensors for Pathogen Detection. , 2008, , 341-376.		11
777	Biomimetic Model Systems for Investigating the Amorphous Precursor Pathway and Its Role in Biomineralization. Chemical Reviews, 2008, 108, 4551-4627.	23.0	938
778	Dynamics of Biomineral Formation at the Near-Molecular Level. Chemical Reviews, 2008, 108, 4784-4822.	23.0	96
779	Effect of the Bending Potential on Molecular Arrangement in Alkaneselenolate Self-Assembled Monolayers. Journal of Physical Chemistry C, 2008, 112, 12495-12506.	1.5	47
780	Metal and Magnetic Nanostructures for Cancer Detection, Imaging, and Therapy. Journal of Biomedical Nanotechnology, 2008, 4, 377-399.	0.5	6
781	Polymeric and biomacromolecular brush nanostructures: progress in synthesis, patterning and characterization. Soft Matter, 2008, 4, 1774.	1.2	95
782	Synthesis and Characterization of a Thiol-Tethered Tripyridyl Porphyrin on Au(111). Journal of Physical Chemistry C, 2008, 112, 6110-6118.	1.5	37
783	A Method for Obtaining Defined End Groups of Polymethacrylates Prepared by the RAFT Process during Aminolysis. Macromolecules, 2008, 41, 8316-8319.	2.2	80
784	Preparation and Adhesion of a Dual-Component Self-Assembled Dual-Layer Film on Silicon by a Dip-Coating Nanoparticles Method. Journal of Physical Chemistry C, 2008, 112, 11257-11264.	1.5	14
785	Adsorption of Thiols on the Pd(111) Surface: A First Principles Study. Langmuir, 2008, 24, 10838-10842.	1.6	18
786	Heterogeneous electron transfer at Au/SAM junctions in a room-temperature ionic liquid under pressure. Chemical Communications, 2008, , 2112.	2.2	19
787	Macrocycles, catenanes, oligomers and polymers in gold chemistry. Chemical Society Reviews, 2008, 37, 2012.	18.7	207

#	Article	IF	CITATIONS
788	Soft-landing of peptide ions onto self-assembled monolayer surfaces: an overview. Physical Chemistry Chemical Physics, 2008, 10, 1079-1090.	1.3	109
789	Reactive landing of peptide ions on self-assembled monolayer surfaces: an alternative approach for covalent immobilization of peptides on surfaces. Physical Chemistry Chemical Physics, 2008, 10, 1512.	1.3	75
790	Structural control of the monolayer stability of water-soluble gold nanoparticles. Journal of Materials Chemistry, 2008, 18, 70-73.	6.7	45
791	Fully cross-linked and chemically patterned self-assembled monolayers. Physical Chemistry Chemical Physics, 2008, 10, 7233.	1.3	34
792	Fabrication, characterization, and application in surface-enhanced Raman spectrum of assembled type-I collagen-silver nanoparticle multilayered films. Journal of Chemical Physics, 2008, 128, 074704.	1.2	29
793	Nanofabrication with metal containing dendrimers. Dalton Transactions, 2008, , 1533.	1.6	13
794	Minimum Energy Actuation and Bounce-Back Behavior of Microbeams Using \$delta\$ Voltage Pulses. Journal of Microelectromechanical Systems, 2008, 17, 668-677.	1.7	4
795	Two-dimensional ordering of benzenethiol self-assembled monolayers guided by displacement of cyclohexanethiols on Au(111). Chemical Communications, 2008, , 5197.	2.2	39
796	Triethylsilane as a mild and efficient reducing agent for the preparation of alkanethiol-capped gold nanoparticles. Chemical Communications, 2008, , 3882.	2.2	35
797	From Self-Assembly to Charge Transport with Single Molecules – An Electrochemical Approach. Topics in Current Chemistry, 2008, 287, 181-255.	4.0	22
798	Characterization of interconnects resulting from capillary die-to-substrate self-assembly. , 2008, , .		6
799	Disorder–order phase change of ω-(N-pyrrolyl)alkanethiol self-assembled monolayers on gold induced by STM scans and thermal activation. Physical Chemistry Chemical Physics, 2008, 10, 3138.	1.3	7
800	A spectroscopic study of self-assembled monolayer of porphyrin-functionalized oligo(phenyleneethynylene)s on gold: the influence of the anchor moiety. Physical Chemistry Chemical Physics, 2008, 10, 5264.	1.3	19
801	Promotion of sugar–lectin recognition through the multiple sugar presentation offered by regioselectively addressable functionalized templates (RAFT): a QCM-D and SPR study. Organic and Biomolecular Chemistry, 2008, 6, 1114.	1.5	47
802	Disk micelles from amphiphilic Janus gold nanoparticles. Chemical Communications, 2008, , 697-699.	2.2	42
803	Metal–semiconductor contact in organic thin film transistors. Journal of Materials Chemistry, 2008, 18, 5437.	6.7	79
804	Determination of the Surface Area of Pd and Nanometric Au Aggregates Supported on a Micrometric Solid Support by Thiol Adsorption and GCâ^'MS. Langmuir, 2008, 24, 8045-8049.	1.6	12
805	Conformational change in 4-pyridineethanethiolate self-assembled monolayers on Au(111) driven by protonation/deprotonation in electrolyte solutions. Physical Chemistry Chemical Physics, 2008, 10, 6935.	1.3	17

#	Article	IF	CITATIONS
806	Theoretical study of the dynamics of hyperthermal collisions of Ar with a fluorinated alkanethiolate self-assembled monolayer. Physical Chemistry Chemical Physics, 2008, 10, 5776.	1.3	14
807	A Method for Removing Self-Assembled Monolayers on Gold. Langmuir, 2008, 24, 8707-8710.	1.6	73
808	Self-Assembled Monolayers of CH ₃ COSâ^' Terminated Surfactant-Encapsulated Polyoxometalate Complexes. Langmuir, 2008, 24, 4693-4699.	1.6	14
809	Facile, Efficient Approach to Accomplish Tunable Chemistries and Variable Biodistributions for Shell Cross-Linked Nanoparticles. Biomacromolecules, 2008, 9, 1997-2006.	2.6	88
810	Self-Assembly of an Octanethiol Monolayer on a Gold-Stepped Surface. Langmuir, 2008, 24, 2042-2050.	1.6	14
811	Elucidating the Role of Surface Hydrolysis in Preparing Organosilane Nanostructures via Particle Lithography. Nano Letters, 2008, 8, 1916-1922.	4.5	81
812	Temporal Evolution of the Composition of Mixed Monolayers on TiO2 Surfaces: Evidence for a Dimerization-Induced Chelate Effect. Langmuir, 2008, 24, 5249-5252.	1.6	9
813	Enzymatic Proteolysis of a Surface-Bound α-Helical Polypeptide. Langmuir, 2008, 24, 13944-13956.	1.6	10
814	Structural transition of molecular assembly under photo-irradiation: an STM study. Physical Chemistry Chemical Physics, 2008, 10, 6467.	1.3	32
815	Construction of Mono- and Multimolecular Layers with Electron Transfer Mediation Function and Catalytic Activity for Hydrogen Evolution on a Hydrogen-Terminated Si(111) Surface via Siâ^'C Bond. Journal of Physical Chemistry C, 2008, 112, 10923-10930.	1.5	21
816	A unified view of ligand-protected gold clusters as superatom complexes. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 9157-9162.	3.3	1,472
817	Lateral Diffusion of Thiol Ligands on the Surface of Au Nanoparticles:  An Electron Paramagnetic Resonance Study. Analytical Chemistry, 2008, 80, 95-106.	3.2	88
818	Fluorescence Imaging of the Oxidative Desorption of a BODIPY-Alkyl-Thiol Monolayer Coated Au Bead. Langmuir, 2008, 24, 7881-7888.	1.6	31
819	Phase-Dependent Desorption from Biphenyl-Substituted Alkanethiol Self-Assembled Monolayers Induced by Ion Irradiation. Journal of Physical Chemistry C, 2008, 112, 2248-2251.	1.5	7
820	Self-Assembled Monolayers of Alkylphosphonic Acid on GaN Substrates. Langmuir, 2008, 24, 6630-6635.	1.6	64
821	Photopatterned Surfaces for Site-Specific and Functional Immobilization of Proteins. Langmuir, 2008, 24, 448-457.	1.6	73
822	An STM Study on Nonionic Fluorosurfactant Zonyl FSN Self-Assembly on Au(111): Large Domains, Few Defects, and Good Stability. Langmuir, 2008, 24, 13245-13249.	1.6	22
823	Single Molecule Conductance through Rigid Norbornylogous Bridges with Zero Average Curvature. Journal of Physical Chemistry C, 2008, 112, 9072-9080.	1.5	17

	CITATION REI	PORT	
#	Article	IF	CITATIONS
824	Surface Plasmon Resonance Spectroscopy-Based High-Throughput Screening of Ligands for Use in Affinity and Displacement Chromatography. Langmuir, 2008, 24, 11784-11789.	1.6	10
825	Sum Frequency Generation Imaging Microscopy of Patterned Self-Assembled Monolayers with Terminal â^'CH3, â^'OCH3, â''CF2CF3, â^'Câ•€, â''Phenyl, and â^'Cyclopropyl Groups. Journal of Physical Chemistry C, 2008, 112, 14529-14537.	1.5	24
826	Au Adatoms in Self-Assembly of Benzenethiol on the Au(111) Surface. Jo Society, 2008, 130, 7518-7519.	ournal of t 6.6	he Americar 115
827	Observation from Scanning Tunneling Microscopy of a Striped Phase for Octanethiol Adsorbed on Au(111) from Solution. Langmuir, 2008, 24, 9937-9940.	1.6	25
828	Micrometer and Nanometer Scale Patterning Using the Photo-Fries Rearrangement: Toward Selective Execution of Molecular Transformations with Nanoscale Spatial Resolution. Langmuir, 2008, 24, 12420-12425.	1.6	21
829	Effect of the Bridge Alkylene Chain on Adlayer Structure and Property of Functional Oligothiophenes Studied with Scanning Tunneling Microscopy and Spectroscopy. ACS Nano, 2008, 2, 743-749.	7.3	23
830	Self-Assembled Monothiol-Terminated Hyperbranched Polyglycerols on a Gold Surface:  A Comparative Study on the Structure, Morphology, and Protein Adsorption Characteristics with Linear Poly(ethylene glycol)s. Langmuir, 2008, 24, 4907-4916.	1.6	112
831	Mechanical and Charge Transport Properties of Alkanethiol Self-Assembled Monolayers on a Au(111) Surface:  The Role of Molecular Tilt. Langmuir, 2008, 24, 2219-2223.	1.6	62
832	The "Staple―Motif:  A Key to Stability of Thiolate-Protected Gold Nanoclusters. Journal of the American Chemical Society, 2008, 130, 2777-2779.	6.6	231
833	Physical and Electronic Structure Effects of Embedded Dipoles in Self-Assembled Monolayers: Characterization of Mid-Chain Ester Functionalized Alkanethiols on Au{111}. Journal of Physical Chemistry C, 2008, 112, 10842-10854.	1.5	61
834	Particleâ^Particle Interactions and Chain Dynamics of Fluorocarbon and Hydrocarbon Functionalized ZrO2 Nanoparticles. Langmuir, 2008, 24, 2465-2471.	1.6	14
835	The Reaction Pathways for HSCH ₃ Adsorption on Au(111):  A Density Functional Theory Study. Langmuir, 2008, 24, 3274-3279.	1.6	38
836	Blocking of Disulfide Adsorption by Coadsorbing ω-Functionalized Alkane Thiols Revealed by Wet Stamping and Fluorescence Microscopy. Langmuir, 2008, 24, 11600-11604.	1.6	13
837	Self-Assembly of Terephthalic Acid on Rutile TiO ₂ (110): Toward Chemically Functionalized Metal Oxide Surfaces. Journal of Physical Chemistry C, 2008, 112, 12606-12609.	1.5	39
838	Effects of Changes in the Interparticle Separation Induced by Alkanethiols on the Surface Plasmon Band and Other Properties of Nanocrystalline Gold Films. Langmuir, 2008, 24, 2494-2500.	1.6	26
839	Roughening of Gold Atomic Steps Induced by Interaction with Tetrahydrofuran. Langmuir, 2008, 24, 2452-2458.	1.6	10
840	Microfluidic Lithography of SAMs on Gold to Create Dynamic Surfaces for Directed Cell Migration and Contiguous Cell Cocultures. Langmuir, 2008, 24, 8885-8889.	1.6	35
841	In Situ Raman Spectroscopy of Redox Species Confined in Self-Assembled Molecular Films. Journal of Physical Chemistry C, 2008, 112, 3741-3746.	1.5	18

#	Article	IF	CITATIONS
842	Near-Edge X-ray Absorption Fine Structure Spectroscopy of Diamondoid Thiol Monolayers on Gold. Journal of the American Chemical Society, 2008, 130, 10536-10544.	6.6	47
843	XPS, TOF-SIMS, NEXAFS, and SPR Characterization of Nitrilotriacetic Acid-Terminated Self-Assembled Monolayers for Controllable Immobilization of Proteins. Analytical Chemistry, 2008, 80, 2564-2573.	3.2	86
844	Reorientation-promoted Exchange Reaction in Aromatic Self-assembled Monolayers. Journal of Physical Chemistry C, 2008, 112, 15037-15044.	1.5	10
845	On the Thermodynamic Stability of (â^š3 × â^š3)R30º Methanethiolate Lattice on Reconstructed Au(111) Surface Models. Journal of Physical Chemistry C, 2008, 112, 19121-19124.	1.5	20
846	Carbohydrate Monolayer Strategy for Electrochemical Assay of Cell Surface Carbohydrate. Journal of the American Chemical Society, 2008, 130, 7224-7225.	6.6	120
847	Bottom-Contact Poly(3,3′′a€²-didodecylquaterthiophene) Thin-Film Transistors with Gold Source-Drain Electrodes Modified by Alkanethiol Monolayers. Langmuir, 2008, 24, 11889-11894.	1.6	11
848	Sequential Solid-Phase Fabrication of Bifunctional Anchors on Gold Nanoparticles for Controllable and Scalable Nanoscale Structure Assembly. Langmuir, 2008, 24, 5667-5671.	1.6	15
849	Cation-Assisted Laser Desorption/Ionization for Matrix-Free Surface Mass Spectrometry of Alkanethiolate Self-Assembled Monolayers on Gold Substrates and Nanoparticles. Analytical Chemistry, 2008, 80, 8526-8531.	3.2	16
850	Preparation and Characterization of 3 nm Magnetic NiAu Nanoparticles. Journal of Physical Chemistry C, 2008, 112, 5365-5372.	1.5	37
851	Probing the Electronic Structure and Chemical Bonding of Gold Oxides and Sulfides in AuO _{<i>n</i>} and AuS _{<i>n</i>} ^{a^*} (<i>n</i> = 1, 2). Journal of the American Chemical Society, 2008, 130, 9156-9167.	6.6	72
852	Colorimetric Sensitivity of Gold Nanoparticles: Minimizing Interparticular Repulsion as a General Approach. Analytical Chemistry, 2008, 80, 6560-6566.	3.2	48
853	Understanding the Microscopic Structure of SAMs/SiO ₂ Interfaces in the Presence of Water Using First-Principles Modeling. Journal of Physical Chemistry C, 2008, 112, 5567-5572.	1.5	5
854	Metallization of a Thiol-Terminated Organic Surface Using Chemical Vapor Deposition. Langmuir, 2008, 24, 7986-7994.	1.6	23
855	Quantitative Methods Based on Twisted Nematic Liquid Crystals for Mapping Surfaces Patterned with Bio/Chemical Functionality Relevant to Bioanalytical Assays. Analytical Chemistry, 2008, 80, 2637-2645.	3.2	25
856	Electroactive Self-Assembled Monolayers on Gold via Bipodal Dithiazepane Anchoring Groups. Langmuir, 2008, 24, 9096-9101.	1.6	17
857	Synthesis and Properties of Functionalized 4 nm Scale Molecular Wires with Thiolated Termini for Self-Assembly onto Metal Surfaces. Journal of Organic Chemistry, 2008, 73, 4810-4818.	1.7	27
858	Precise Tuning of Porosity and Surface Functionality in Au@SiO ₂ Nanoreactors for High Catalytic Efficiency. Chemistry of Materials, 2008, 20, 5839-5844.	3.2	174
859	A 3:1 Site-Differentiated [4Fe-4S] Cluster Immobilized on a Self-Assembled Monolayer. Journal of Physical Chemistry C, 2008, 112, 17225-17230.	1.5	1

#	Article	IF	CITATIONS
860	One-phase synthesis of small gold nanoparticles coated by a horizontal porphyrin monolayer. Chemical Communications, 2008, , 6300.	2.2	45
861	Modification of Alkaneselenolate Monolayers by Low-Energy Electrons. Journal of Physical Chemistry C, 2008, 112, 1191-1198.	1.5	21
862	An Interfacial Oxime Reaction To Immobilize Ligands and Cells in Patterns and Gradients to Photoactive Surfaces. Langmuir, 2008, 24, 6201-6207.	1.6	83
863	Orientation Analysis of ω-Substituted Long-Chain Alkanethiols Self-Assembled on Au Substrate. Journal of Physical Chemistry C, 2008, 112, 17683-17687.	1.5	2
864	Effect of Ligand Shell Structure on the Interaction between Monolayer-Protected Gold Nanoparticles. Journal of Physical Chemistry C, 2008, 112, 6279-6284.	1.5	24
865	Toposelective Electrochemical Desorption of Thiol SAMs from Neighboring Polycrystalline Gold Surfaces. Langmuir, 2008, 24, 12097-12101.	1.6	21
866	Micelle Fission through Surface Instability and Formation of an Interdigitating Stalk. Journal of the American Chemical Society, 2008, 130, 17977-17980.	6.6	60
867	Charge Transport through Polyene Self-Assembled Monolayers from Multiscale Computer Simulations. Journal of Physical Chemistry B, 2008, 112, 14888-14897.	1.2	11
868	Structure of Thiol Self-Assembled Monolayers Commensurate with the GaAs (001) Surface. Langmuir, 2008, 24, 13299-13305.	1.6	44
869	Experimental and Theoretical Identification of Valence Energy Levels and Interface Dipole Trends for a Family of (Oligo)Phenylene-ethynylenethiols Adsorbed on Gold. Journal of Physical Chemistry C, 2008, 112, 13215-13225.	1.5	21
870	Ab Initio Modeling of Amide-Stabilized, Oligo(ethylene glycol)-Terminated Self-Assemblies:  In-SAM Molecular Geometry, Orientation, and Hydrogen Bonding. Journal of Physical Chemistry A, 2008, 112, 1683-1687.	1.1	8
871	Optical Characterization of Thiolate Self-Assembled Monolayers on Au(111). Journal of Physical Chemistry C, 2008, 112, 3899-3906.	1.5	70
872	On the Importance of Purity for the Formation of Self-Assembled Monolayers from Thiocyanates. Langmuir, 2008, 24, 6609-6615.	1.6	32
873	Assembly of Nanozeolite Monolayers on the Gold Substrates of Piezoelectric Sensors. Langmuir, 2008, 24, 11196-11202.	1.6	19
874	Nanografting versus Solution Self-Assembly of α,ï‰-Alkanedithiols on Au(111) Investigated by AFM. Langmuir, 2008, 24, 11661-11668.	1.6	27
875	Electrochemical Gating in Scanning Electrochemical Microscopy. Journal of Physical Chemistry C, 2008, 112, 2724-2728.	1.5	13
876	Generation of Surface Energy Patterns by Single Pulse Laser Interference on Self-Assembled Monolayers. Langmuir, 2008, 24, 13155-13160.	1.6	23
877	AFM-Based Lithography for Nanoscale Protein Assays. Analytical Chemistry, 2008, 80, 1361-1369.	3.2	30

#	Article	IF	CITATIONS
878	Controlled Deposition of Silver Indium Sulfide Ternary Semiconductor Thin Films by Chemical Bath Deposition. Chemistry of Materials, 2008, 20, 4475-4483.	3.2	63
879	Chemical Manipulation by X-rays of Functionalized Thiolate Self-Assembled Monolayers on Au. Langmuir, 2008, 24, 13969-13976.	1.6	31
880	Soft-landing Isolation of Gas-phase-synthesized Transition Metalâ^'Benzene Complexes into a Fluorinated Self-assembled Monolayer Matrix. Journal of Physical Chemistry C, 2008, 112, 15824-15831.	1.5	19
881	Contacting Organic Molecules by Soft Methods: Towards Molecule-Based Electronic Devices. Accounts of Chemical Research, 2008, 41, 359-366.	7.6	126
882	Assembly of functional molecular nanostructures on surfaces. Chemical Society Reviews, 2008, 37, 490-504.	18.7	135
883	Inkjet-Printed Thiol Self-Assembled Monolayer Structures on Gold: Quality Control and Microarray Electrode Fabrication. Langmuir, 2008, 24, 9110-9117.	1.6	22
884	Functionalization of Probe Tips and Supports for Single-Molecule Recognition Force Microscopy. Topics in Current Chemistry, 2008, 285, 29-76.	4.0	75
885	Self-Assembled Monolayer of Short Carboxyl-Terminated Molecules Investigated with ex Situ Scanning Tunneling Microscopy. Journal of Physical Chemistry C, 2008, 112, 7431-7435.	1.5	11
886	Benzimidazole-Modified Single-Stranded DNA: Stable Scaffolds for 1-Dimensional Spintronics Constructs. Journal of Physical Chemistry B, 2008, 112, 16982-16989.	1.2	11
887	On the Role of Extrinsic and Intrinsic Defects in the Underpotential Deposition of Cu on Thiol-Modified Au(111) Electrodes. Journal of Physical Chemistry C, 2008, 112, 3881-3890.	1.5	39
888	Incorporation of π-conjugated Molecular Wires into Anisotropic Conductive Adhesive for High-performance Interconnection Applications. , 2008, , .		0
889	Synthesis of Sulfur-Containing Polyacetylenes and Fabrication of Their Hybrids with ZnO Nanoparticles. Macromolecules, 2008, 41, 3874-3883.	2.2	23
890	AgNO ₃ -Induced Photocatalytic Degradation of Odorous Methyl Mercaptan in Gaseous Phase: Mechanism of Chemisorption and Photocatalytic Reaction. Environmental Science & Technology, 2008, 42, 4540-4545.	4.6	47
891	Self-Assembled Monolayers of a Bis(pyrazol-1-yl)pyridine-Substituted Thiol on Au(111). Langmuir, 2008, 24, 12883-12891.	1.6	40
892	Oddâ^'Even Effect in Molecular Packing of Biphenyl-Substituted Alkaneselenolate Self-Assembled Monolayers on Au(111): Scanning Tunneling Microscopy Study. Journal of Physical Chemistry C, 2008, 112, 15466-15473.	1.5	59
893	A multisized piezoelectric microcantilever biosensor array for the quantitative analysis of mass and surface stress. Applied Physics Letters, 2008, 93, .	1.5	43
894	A theoretical view on self-assembled monolayers in organic electronic devices. Proceedings of SPIE, 2008, , .	0.8	10
895	Diagnostic devices as biomaterials: a review of nucleic acid and protein microarray surface performance issues. Journal of Biomaterials Science, Polymer Edition, 2008, 19, 725-753.	1.9	67

ARTICLE IF CITATIONS # Hydrophilic monolayer-protected gold nanoparticles and their functionalisation with fluorescent 896 0.1 25 chromophores. International Journal of Nanotechnology, 2008, 5, 722. "Rippled" Mixed Monolayer Protected Nanoparticles with Charged Ligands. ACS Symposium Series, 2008, , 55-62. Electrically conductive adhesive with & amp;#x03C0;-conjugated self-assembled molecular wire 898 1 junctions for enhanced electrical and thermal properties., 2008, , . Thiol-capped gold: from planar to irregular surfaces. Journal of Physics Condensed Matter, 2008, 20, 899 184004. Selective aluminum passivation for targeted immobilization of single DNA polymerase molecules in 900 zero-mode waveguide nanostructures. Proceedings of the National Academy of Sciences of the United 3.3 204 States of America, 2008, 105, 1176-1181. Self-Assembly and Scanning Tunneling Microscopy Tip-Induced Motion of Ferrocene Adamantane Trithiolate Adsorbed on Au(111). Japanese Journal of Applied Physics, 2008, 47, 6156. 0.8 Hydrophobic surfaces for enhanced differentiation of embryonic stem cell-derived embryoid bodies. 902 Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 3.3 133 14459-14464. Experimental and theoretical studies of the effect of mass on the dynamics of gas/organic-surface 903 1.2 energy transfer. Journal of Chemical Physics, 2008, 128, 014713. A molecular simulation study of an organosilane self-assembled monolayer/SiO2 substrate interface. 904 1.2 16 Journal of Chemical Physics, 2008, 128, 164710. Thermal conduction in molecular chains: Non-Markovian effects. Journal of Chemical Physics, 2008, 1.2 128, 224710. Mechanical properties of alkanethiol monolayers studied by force spectroscopy. Journal of Chemical 906 22 1.2 Physics, 2008, 128, 044701. New Thiophene Monolayer-Protected Copper Nanoparticles: Synthesis and Chemical-Physical 1.5 Characterization. Journal of Nanomaterials, 2008, 2008, 1-6. Drug Delivery from Therapeutic Self-Assembled Monolayers (T-SAMs) on 316L Stainless Steel. Current 908 1.0 21 Topics in Medicinal Chemistry, 2008, 8, 281-289. Molecular Electronics with Large-area Molecular Junctions. Materials Research Society Symposia 909 0.1 Proceedings, 2008, 1091, 1. 910 Recent developments in electrochemical immunoassays and immunosensors., 2008, , 115-143. 21 Imparting chemical specificity to nanometer-spaced electrodes. Nanotechnology, 2008, 19, 355303. Hybrid nanofabrication processes utilizing diblock copolymer nanotemplate prepared by 912 self-assembled monolayer based surface neutralization. Journal of Vacuum Science & Technology B, 1.320 2008, 26, 189. Reactive Polymer Coatings for Biological Applications. ACS Symposium Series, 2008, , 283-298.

#	Article	IF	CITATIONS
914	Design and Characterization of Novel Systems for Molecular Nanoscale Self-Assembly. Japanese Journal of Applied Physics, 2008, 47, 1165-1172.	0.8	7
915	Monolayer self-assembly at liquid–solid interfaces: chirality and electronic properties of molecules at surfaces. Journal of Physics Condensed Matter, 2008, 20, 184003.	0.7	17
916	Inelastic electron tunnelling in saturated molecules with different functional groups: correlations and symmetry considerations from a computational study. Journal of Physics Condensed Matter, 2008, 20, 374111.	0.7	6
917	Attachment of magnetic molecules on a nanoSQUID. Nanotechnology, 2008, 19, 285303.	1.3	31
918	Subwavelength patterning of alkylsiloxane monolayers via nonlinear processing with single femtosecond laser pulses. Applied Physics Letters, 2008, 92, .	1.5	28
919	Electronic and vibronic interactions at weakly bound organic interfaces: The case of pentacene on graphite. Physical Review B, 2008, 78, .	1.1	30
920	Mechanochemistry and Thermochemistry are Different: Stress-Induced Strengthening of Chemical Bonds. Physical Review Letters, 2008, 100, 115503.	2.9	69
921	Fabrication of surface plasmon waveguides and integrated components on ultrathin freestanding membranes. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2008, 26, 1383-1391.	0.9	16
922	Electrochemical growth of ultraflat Au(111) epitaxial buffer layers on H–Si(111). Applied Physics Letters, 2008, 93, .	1.5	38
923	Self-assembled monolayer of alkanephosphoric acid on nanotextured Ti. Journal of Chemical Physics, 2008, 128, 144705.	1.2	29
924	Polarization-dependent sensing of a self-assembled monolayer using biaxial nanohole arrays. Applied Physics Letters, 2008, 92, .	1.5	37
925	Preparation of Tethered Palladium Catalysis Supported on Gold(111) and Its Surface Characterization by X-ray Photoelectron Spectroscopy (XPS). Bulletin of the Chemical Society of Japan, 2008, 81, 1012-1018.	2.0	5
926	Patterning Based on Edge Effects: Edge Lithography. , 0, , 167-194.		1
927	The Adlayers of 6-Anilino-1,3,5-Triazine-2,4-Dithiol Monosodium on Au(111) Electrode in Acidic Solution Studied by Electrochemical Scanning Tunneling Microscopy. Electrochemistry, 2008, 76, 42-45.	0.6	2
928	Development of Photosensitive Self-Assembled Monolayer Using Silane Coupling Agents Containing 2-Nitrobenzyl Esters Implied for Application to Cell Array. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2008, 21, 519-524.	0.1	8
929	Preparation and Characterisation of Iodo-functionalised Azobenzene Derivatives of the Type I–p-C6H4–N=N–p-C6H4–X. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2008, 63, 1395-1401.	0.3	10
930	Molecular Recognition and Specific Interactions for Biosensing Applications. Sensors, 2008, 8, 6605-6641.	2.1	72
931	Electron Beam and Soft X-ray Lithography with a Monomolecular Resist. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2008, 21, 511-517.	0.1	16

#	Article	IF	CITATIONS
932	Fabrication of an Amino-Terminated Organic Surface by Chemical Conversion of a Nitro-Terminated Self-Assembled Monolayer. Zeitschrift Fur Physikalische Chemie, 2008, 222, 965-978.	1.4	11
933	Application of Gold Nanoparticles for Targeted Therapy in Cancer. Journal of Biomedical Nanotechnology, 2008, 4, 99-132.	0.5	68
934	Preparation of Poly(acrylic acid) Nanoâ€films by Inâ€situ Polymerization of Acrylic Acid Macroclusters on Silicon Oxide Surfaces. Macromolecular Symposia, 2008, 270, 40-47.	0.4	4
935	Nanostructured phospholipid membranes. International Journal of Nanotechnology, 2008, 5, 1371.	0.1	14
936	Metallization of Organic Monolayers: Electroless Deposition of Cu onto Cross-Linked Aromatic Self-Assembled Monolayers. Zeitschrift Fur Physikalische Chemie, 2008, 222, 917-926.	1.4	13
937	Behavior of Hydroxide Ions in Vicinity of Self-Assembled Monolayers of Alkanethiols on Metals. E-Journal of Surface Science and Nanotechnology, 2009, 7, 601-605.	0.1	13
939	Atomic Layer Deposition and Vapor Deposited SAMS in a CrossBeam FIB-SEM Platform: A Path To Advanced Materials Synthesis. Microscopy Today, 2009, 17, 18-25.	0.2	0
940	Optimization of Optical Properties of Polycarbonate Film with Thiol Gold-Nanoparticles. Materials, 2009, 2, 1193-1204.	1.3	17
941	Synthesis and Characterization of Self-Assembling Some Thiol Surfactants on Gold Nanoparticles. Journal of Dispersion Science and Technology, 2009, 30, 540-547.	1.3	15
942	Surface anchoring and dynamics of thiolated azobenzene molecules on Au(111). Journal of Chemical Physics, 2009, 131, 034707.	1.2	10
943	A molecular dynamics study on heat transfer characteristics at the interfaces of alkanethiolate self-assembled monolayer and organic solvent. Journal of Chemical Physics, 2009, 130, 074706.	1.2	49
944	Potential and kinetic sputtering of alkanethiol self-assembled monolayers by impact of highly charged ions. Physical Review A, 2009, 79, .	1.0	10
945	Electrical properties of ACA joints assisted by conjugated molecular wires. , 2009, , .		3
946	Nanostructured materials based on the integration of ferrocenyl-tethered dendrimer and redox proteins on self-assembled monolayers: an efficient biosensor interface. Nanotechnology, 2009, 20, 505501.	1.3	14
947	Interaction of nitric oxide with Ru(II) complexes of deuteroporphyrindimethylester derivatives. Journal of Porphyrins and Phthalocyanines, 2009, 13, 35-40.	0.4	3
949	Tethered particle motion mediated by scattering from gold nanoparticles and darkfield microscopy. Journal of Nanophotonics, 2009, 3, 031795.	0.4	9
950	New electrically conductive adhesives (ECAs) for flexible interconnect applications. , 2009, , .		5
951	Assembly and organization processes in DNA-directed colloidal crystallization. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 10493-10498.	3.3	133

#	Article	IF	CITATIONS
952	Copper Fill of Microvia Using a Thiol-Modified Cu Seed Layer and Various Levelers. Journal of the Electrochemical Society, 2009, 156, D314.	1.3	92
953	Biosensing with plasmonic nanosensors. , 2009, , 308-319.		120
954	Achieving low temperature Cu to Cu diffusion bonding with self assembly monolayer (SAM) passivation. , 2009, , .		14
955	Self-Assembled Monolayers of Metal-Assembling Dendron Thiolate Formed from Dendrimers with a Disulfide Core. Organic Letters, 2009, 11, 1729-1732.	2.4	10
956	Patterning of alkanethiolate self-assembled monolayers by downstream microwave nitrogen plasma: Negative and positive resist behavior. Journal of Vacuum Science & Technology B, 2009, 27, 1949.	1.3	3
957	Alkanethiol induced changes in the magnetotransport properties of Coâ^•Au bilayers. Journal of Applied Physics, 2009, 105, 07A903.	1.1	2
958	Digital magnetic tagging for multiplexed suspension-based biochemical assays. Journal of Applied Physics, 2009, 105, 07B301.	1.1	1
959	Cellular response to the surface chemistry of nanostructured biomaterials. , 2009, , 85-113.		3
960	Conformal dip-coating of patterned surfaces for capillary die-to-substrate self-assembly. Journal of Micromechanics and Microengineering, 2009, 19, 045015.	1.5	34
961	Patterning of self-assembled monolayers based on differences in molecular conductance. Nanotechnology, 2009, 20, 245306.	1.3	9
962	Silicon microcontact printing engines. Journal of Micromechanics and Microengineering, 2009, 19, 025027.	1.5	8
963	Tunable 3D and 2D polystyrene nanoparticle assemblies using surface wettability, low volume fraction and surfactant effects. Nanotechnology, 2009, 20, 025604.	1.3	14
964	Surface Functionalization for Protein and Cell Patterning. , 2009, 117, 109-130.		6
965	Direct e-beam writing of 1â€,nm thin carbon nanoribbons. Journal of Vacuum Science & Technology B, 2009, 27, 3059.	1.3	19
966	Electrochemical Investigation of Porous Silicon/Gold System in Biological Electrolyte. ECS Transactions, 2010, 25, 59-68.	0.3	0
967	Characterization of the wheat germ agglutinin binding to self-assembled monolayers of neoglycoconjugates by AFM and SPR. Glycobiology, 2009, 19, 633-643.	1.3	24
968	Extreme ultraviolet interference lithography at the Paul Scherrer Institut. Journal of Micro/ Nanolithography, MEMS, and MOEMS, 2009, 8, 021204.	1.0	75
969	Surface-Enhanced Raman Scattering: Comparison of Three Different Molecules on Single-Crystal Nanocubes and Nanospheres of Silver. Journal of Physical Chemistry A, 2009, 113, 3932-3939.	1.1	125

#	Article	IF	CITATIONS
970	Microvia Filling by Cu Electroplating Over a Au Seed Layer Modified by a Disulfide. Journal of the Electrochemical Society, 2009, 156, D155.	1.3	62
971	Characterizing hydrophobicity of interfaces by using cavity formation, solute binding, and water correlations. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 15119-15124.	3.3	309
972	Electrochemical Differentiation and TOF-SIMS Characterization of Thiol-Coated Gold Features for (Bio)chemical Sensor Applications. Journal of the Electrochemical Society, 2009, 156, J386.	1.3	15
973	Simple method to synthesis iron sulfide self-assembled microstructure and magnetic properties. Materials Chemistry and Physics, 2009, 114, 518-521.	2.0	6
974	Lectin and carbohydrate microarrays: New high-throughput methods for glycoprotein, carbohydrate-binding protein and carbohydrate-active enzyme analysis. Journal of Cereal Science, 2009, 50, 306-311.	1.8	15
975	Gold Nanoparticles: A Versatile Label for Affinity Electrochemical Biosensors. , 0, , 177-197.		9
976	New Generation of Multifunctional Nanoparticles for Cancer Imaging and Therapy. Advanced Functional Materials, 2009, 19, 1553-1566.	7.8	405
977	Doping of Conjugated Polythiophenes with Alkyl Silanes. Advanced Functional Materials, 2009, 19, 1906-1911.	7.8	107
978	Layerâ€By‣ayer Dendritic Growth of Hyperbranched Thin Films for Surface Sol–Gel Syntheses of Conformal, Functional, Nanocrystalline Oxide Coatings on Complex 3D (Bio)silica Templates. Advanced Functional Materials, 2009, 19, 2768-2776.	7.8	55
979	Microcontact Printing: Limitations and Achievements. Advanced Materials, 2009, 21, 2257-2268.	11.1	389
980	Rapid Microfluidic Generation of Patterned Aldehydes from Hydroxyâ€Terminated Selfâ€Assembled Monolayers for Ligand and Cell Immobilization on Optically Transparent Indium Tin Oxide Surfaces. Advanced Materials, 2009, 21, 3082-3086.	11.1	15
981	Soft Langmuir–Blodgett Technique for Hard Nanomaterials. Advanced Materials, 2009, 21, 2959-2981.	11.1	219
982	Molecular Selfâ€Assembled Monolayers and Multilayers for Organic and Unconventional Inorganic Thinâ€Film Transistor Applications. Advanced Materials, 2009, 21, 1407-1433.	11.1	556
983	Singleâ€Layer Pentacene Fieldâ€Effect Transistors Using Electrodes Modified With Selfâ€assembled Monolayers. Advanced Materials, 2009, 21, 4109-4114.	11.1	98
984	Orthogonal Transformations on Solid Substrates: Efficient Avenues to Surface Modification. Advanced Materials, 2009, 21, 3442-3468.	11.1	138
990	Gold <i>Manno</i> â€Glyconanoparticles: Multivalent Systems to Block HIVâ€1 gp120 Binding to the Lectin DCâ€5ICN. Chemistry - A European Journal, 2009, 15, 9874-9888.	1.7	165
991	Selfâ€Assembled Monolayers of Monoâ€Tetrathiafulvalene Calix[4]pyrroles and Their Electrochemical Sensing of Chloride. Chemistry - A European Journal, 2009, 15, 8128-8133.	1.7	24
992	One Solvent Induces a Series of Structural Transitions in Monodendron Molecular Selfâ€Assembly from Lamellar to Quadrangular to Hexagonal. Chemistry - A European Journal, 2009, 15, 9669-9673.	1.7	50

#	Article	IF	CITATIONS
993	Layerâ€by‣ayer Assembly of Polyelectrolyte and Nanoparticles, Monitored by Capillary Electrophoresis. Chemistry - A European Journal, 2009, 15, 12828-12836.	1.7	12
994	Metallocyclo―and Polyphosphazenes Containing Gold or Silver: Thermolytic Transformation into Nanostructured Materials. Chemistry - A European Journal, 2009, 15, 13509-13520.	1.7	20
995	Synthesis, Structure and Growth Mechanism of Size and Shape Tunable Au/Ag Bimetallic Nanoparticles. Chinese Journal of Chemistry, 2009, 27, 2137-2144.	2.6	4
996	Phospholipid Bilayers Supported on Thiolateâ€Covered Nanostructured Gold: In Situ Raman Spectroscopy and Electrochemistry of Redox Species. ChemPhysChem, 2009, 10, 1927-1933.	1.0	9
997	Use of Gelâ€Assembly to Fabricate Multiâ€Component Molecular Gradient Layers and the Investigation of Structure and Electron Transport Therein. ChemPhysChem, 2009, 10, 2212-2216.	1.0	5
998	Nitroxyl Radical Selfâ€Assembled Monolayers on Cold: Versatile Electroactive Centers in Aqueous and Organic Media. ChemPhysChem, 2009, 10, 2401-2404.	1.0	27
999	New Electrocatalytic Reactions at a Mercury Electrode in the Presence of Homocysteine or Cysteine and Cobalt or Nickel Ions. Electroanalysis, 2009, 21, 130-137.	1.5	4
1000	Sensor Array: Impedimetric Labelâ€Free Sensing of DNA Hybridization in Real Time for Rapid, PCRâ€Based Detection of Microorganisms. Electroanalysis, 2009, 21, 1459-1468.	1.5	27
1001	Chemoselective ligand patterning of electroactive surfaces using microfluidics. Electrophoresis, 2009, 30, 3381-3385.	1.3	5
1002	Comparison of PElâ€PEG and PLLâ€PEG copolymer coatings on the prevention of protein fouling. Journal of Biomedical Materials Research - Part A, 2009, 88A, 608-615.	2.1	20
1003	Interaction of endothelial cells with selfâ€assembled monolayers for potential use in drugâ€eluting coronary stents. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2009, 90B, 789-801.	1.6	31
1004	Quartz Crystal Microbalance Studies on Conformational Change of Polymer Chains at Interface. Macromolecular Rapid Communications, 2009, 30, 328-335.	2.0	76
1005	SERS as a probe for adsorbate orientation on silver nanoclusters. Journal of Raman Spectroscopy, 2009, 40, 1572-1577.	1.2	38
1009	Selective Removal of DNA‣abeled Nanoparticles from Planar Substrates by DNA Displacement Reactions. Angewandte Chemie - International Edition, 2009, 48, 118-122.	7.2	16
1010	Formation of Patches on 3D SAMs Driven by Thiols with Immiscible Chains Observed by ESR Spectroscopy. Angewandte Chemie - International Edition, 2009, 48, 3060-3064.	7.2	61
1011	Roomâ€Temperature Growth of Silicon Oxide Nanofilms: New Opportunities for Plastic Electronics. Angewandte Chemie - International Edition, 2009, 48, 2457-2459.	7.2	13
1012	A Supramolecular Hydrogenâ€Bonded Network as a Diffusion Barrier for Metal Adatoms. Angewandte Chemie - International Edition, 2009, 48, 3349-3352.	7.2	27
1013	Growth Mechanism of Metal–Organic Frameworks: Insights into the Nucleation by Employing a Stepâ€byâ€5tep Route. Angewandte Chemie - International Edition, 2009, 48, 5038-5041.	7.2	359

#	Article	IF	CITATIONS
1014	Regulating Copperâ€Binding Affinity with Photoisomerizable Azobenzene Ligand by Construction of a Selfâ€Assembled Monolayer. Angewandte Chemie - International Edition, 2009, 48, 6065-6068.	7.2	16
1015	Interfacial Systems Chemistry: Towards the Remote Control of Surface Properties. Angewandte Chemie - International Edition, 2009, 48, 8406-8408.	7.2	12
1016	Molecular Monolayer Nonvolatile Memory with Tunable Molecules. Angewandte Chemie - International Edition, 2009, 48, 8501-8504.	7.2	70
1017	Design of microfluidic channels separated by an ultra-thin free-standing dielectric membrane. Microfluidics and Nanofluidics, 2009, 6, 17-26.	1.0	8
1018	Surface molecular property modifications for poly(dimethylsiloxane) (PDMS) based microfluidic devices. Microfluidics and Nanofluidics, 2009, 7, 291-306.	1.0	428
1019	Surface-Bound Proteins with Preserved Functionality. Annals of Biomedical Engineering, 2009, 37, 1190-1205.	1.3	30
1020	Photocurrent generation in peptide-based self-assembled monolayers on gold electrodes. Superlattices and Microstructures, 2009, 46, 34-39.	1.4	17
1021	Modeling thiols on Au(111): Structural, thermodynamic and magnetic properties of simple thiols and thiol-radicals. Superlattices and Microstructures, 2009, 46, 4-9.	1.4	21
1022	Molecular orientation of thiol-derivatized tetraphenylporphyrin on gold studied by XPS and NEXAFS. Surface Science, 2009, 603, 1026-1033.	0.8	23
1023	An effective Hamiltonian for sulfur adsorption at Au(100) surface. Surface Science, 2009, 603, 1150-1155.	0.8	6
1024	Adsorption and thermal reaction of short-chain alkanethiols on GaAs(100). Surface Science, 2009, 603, 1244-1252.	0.8	19
1025	Conformational order of n-dodecanethiol and n-dodecaneselenol monolayers on polycrystalline copper investigated by PM-IRRAS and SFG spectroscopy. Surface Science, 2009, 603, 2276-2282.	0.8	25
1026	XPS and NEXAFS studies of aliphatic and aromatic amine species on functionalized surfaces. Surface Science, 2009, 603, 2849-2860.	0.8	357
1027	Influence of an external magnetic field on the formation of self-assembled monolayers of dodecanethiol on polycrystalline gold electrode. Thin Solid Films, 2009, 517, 3661-3666.	0.8	6
1028	Formation of large ordered domains in benzenethiol self-assembled monolayers on Au(111) observed by scanning tunneling microscopy. Ultramicroscopy, 2009, 109, 1011-1014.	0.8	41
1029	Self-Assembling Biomaterials. Acta Biomaterialia, 2009, 5, 803-804.	4.1	1
1030	Evaluation of performance and stability of biocatalytic redox films constructed with different copper oxygenases and osmium-based redox polymers. Bioelectrochemistry, 2009, 76, 162-168.	2.4	45
1031	Gold nanoparticle-based near-infrared fluorescent detection of biological thiols in human plasma. Biosensors and Bioelectronics, 2009, 25, 269-274.	5.3	93

#	Article	IF	CITATIONS
1032	Electrochemical and spectroscopic characterization of screen-printed gold-based electrodes modified with self-assembled monolayers and Tc85 protein. Journal of Electroanalytical Chemistry, 2009, 634, 111-122.	1.9	27
1033	First example of the ring-opening transformation of thiazolidines to iminothiols on gold surface. Mendeleev Communications, 2009, 19, 92-93.	0.6	1
1034	Synthesis of functional heterometallic complexes and clusters containing molybdenum and palladium or platinum, their self-assembly on gold surfaces and X-ray photoelectron spectroscopic studies. Comptes Rendus Chimie, 2009, 12, 1228-1247.	0.2	6
1035	Electrochemical studies of self-assembled monolayers using impedance spectroscopy. Electrochimica Acta, 2009, 54, 6063-6069.	2.6	38
1036	Single molecular switch based on thiol tethered iron(II)clathrochelate on gold. Electrochimica Acta, 2009, 54, 5431-5438.	2.6	26
1037	Electrochemical study of self-assembled cysteine monolayers on polycrystalline gold electrodes and functionalization with microperoxidase MP-11. Journal of Applied Electrochemistry, 2009, 39, 2275-2284.	1.5	9
1038	Surface modifications based on the cyanobacterial siderophore anachelin: from structure to functional biomaterials design. BioMetals, 2009, 22, 595-604.	1.8	20
1039	Interfacial properties and in vitro cytotoxic effects of surface-modified near infrared absorbing Au-Au2S nanoparticles. Journal of Materials Science: Materials in Medicine, 2009, 20, 2091-2103.	1.7	7
1040	Organometallic Derivatives of Cyclotriphosphazene as Precursors of Nanostructured Metallic Materials: A New Solid State Method. Journal of Inorganic and Organometallic Polymers and Materials, 2009, 19, 507-520.	1.9	20
1041	Wetting, Capillary Condensation and More. Journal of Low Temperature Physics, 2009, 157, 77-100.	0.6	55
1042	Advances in surface plasmon resonance-based high throughput biochips. Frontiers of Physics in China, 2009, 4, 469-480.	1.0	4
1043	Preparation and Characterization of Covalently Binding of Rat Anti-human IgG Monolayer on Thiol-Modified Gold Surface. Nanoscale Research Letters, 2009, 4, 1403-8.	3.1	16
1044	Thin films of ruthenium phthalocyanine complexes. Nano Research, 2009, 2, 678-687.	5.8	8
1045	Size selective sampling using mobile, 3D nanoporous membranes. Analytical and Bioanalytical Chemistry, 2009, 393, 1217-1224.	1.9	14
1046	Surface plasmon resonance immunosensor for cortisol and cortisone determination. Analytical and Bioanalytical Chemistry, 2009, 394, 2151-2159.	1.9	63
1047	Gold nanoparticle growth on self-assembled monolayers ofÂferrocenyl-substituted terpyridine on graphite. Applied Physics A: Materials Science and Processing, 2009, 94, 11-17.	1.1	9
1048	Nanofabrication by self-assembly. Materials Today, 2009, 12, 12-23.	8.3	268
1049	Modification of biphenylselenolate monolayers by lowâ€energy electrons. Physica Status Solidi (B): Basic Research, 2009, 246, 1519-1528.	0.7	17

#	Article	IF	CITATIONS
1050	High sensitive detection of sulfuric compounds using electrochemical impedance. IEEJ Transactions on Electrical and Electronic Engineering, 2009, 4, 372-377.	0.8	2
1051	Method development for direct detection of glycoproteins on aminophenylboronic acid functionalized selfâ€assembled monolayers by matrixâ€assisted laser desorption/ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2009, 23, 3599-3602.	0.7	6
1052	Pinholeâ€free largeâ€grained atomically smooth Au(111) substrates prepared by flameâ€annealed template stripping. Surface and Interface Analysis, 2009, 41, 49-55.	0.8	28
1053	Colloidal Gold and Silver Triangular Nanoprisms. Small, 2009, 5, 646-664.	5.2	800
1054	Twoâ€Dimensional Selfâ€Organization of an Ordered Au Silicide Nanowire Network on a Si(110)â€16 ×â€9 Surface. Small, 2009, 5, 1855-1861.	%-2 5.2	15
1055	Controlled Delivery of DNA Origami on Patterned Surfaces. Small, 2009, 5, 1942-1946.	5.2	80
1056	Contactless Electrofunctionalization of a Single Pore. Small, 2009, 5, 2297-2303.	5.2	22
1057	Chemically Functionalized Carbon Nanosieves with 1â€nm Thickness. Small, 2009, 5, 2651-2655.	5.2	32
1058	The role of gold adatoms in selfâ€essembled monolayers of thiol on Au(111). International Journal of Quantum Chemistry, 2009, 109, 3466-3472.	1.0	16
1059	Photoconductance and inverse photoconductance in films of functionalized metal nanoparticles. Nature, 2009, 460, 371-375.	13.7	239
1060	Hierarchical functional gradients of pH-responsive self-assembled monolayers using dynamic covalent chemistry on surfaces. Nature Chemistry, 2009, 1, 649-656.	6.6	161
1061	The effect of nanometre-scale structure on interfacial energy. Nature Materials, 2009, 8, 837-842.	13.3	215
1062	Gold nanocages covered by smart polymers for controlled release with near-infrared light. Nature Materials, 2009, 8, 935-939.	13.3	1,335
1063	Spectroelectrochemical studies of self assembled monolayers of biphenyl ethynyl thiols on gold electrodes. Vibrational Spectroscopy, 2009, 49, 162-173.	1.2	4
1064	Layer-by-layer assemblies of chitosan/multi-wall carbon nanotubes and glucose oxidase for amperometric glucose biosensor applications. Materials Science and Engineering C, 2009, 29, 346-349.	3.8	52
1065	Applications of nanomaterials inside cells. Nano Today, 2009, 4, 37-51.	6.2	218
1066	Square wave voltammetric detection of Anthrax utilizing a peptide for selective recognition of a protein biomarker. Biosensors and Bioelectronics, 2009, 25, 469-474.	5.3	30
1067	Nitroxyl radical self-assembled monolayers on gold: Experimental data vs. Laviron's interaction model. Electrochemistry Communications, 2009, 11, 1776-1780.	2.3	28

#	Article	IF	CITATIONS
1068	Electrochemically induced self-assembly of alkanethiolate adlayers on carbon steel in aqueous solutions. Electrochimica Acta, 2009, 54, 4817-4821.	2.6	6
1069	Characterization of benzenethiolate self-assembled monolayer on Cu(100) by XPS and NEXAFS. Journal of Electron Spectroscopy and Related Phenomena, 2009, 172, 64-68.	0.8	25
1070	Dithioesters and trithiocarbonates monolayers on gold. Journal of Electron Spectroscopy and Related Phenomena, 2009, 172, 104-106.	0.8	27
1071	Determining orientational structure of diamondoid thiols attached to silver using near-edge X-ray absorption fine structure spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 2009, 172, 69-77.	0.8	17
1072	On the quality and structural characteristics of oligo(ethylene glycol) assemblies on gold: An experimental and theoretical study. Journal of Electron Spectroscopy and Related Phenomena, 2009, 172, 9-20.	0.8	29
1073	First syntheses of model long-chain trichloro[ï‰-(trimethylsilyl)alkynyl]silanes suitable for self-assembled monolayers on silicon surfaces. Tetrahedron, 2009, 65, 3961-3966.	1.0	9
1074	An acyclic phane receptor with a pair of disulfonaphthalene arms recognizing 2,3-trans-gallate-type catechins in water. Tetrahedron, 2009, 65, 8209-8215.	1.0	4
1075	Trace detection of peroxides using a microcantilever detector. Thin Solid Films, 2009, 517, 3584-3587.	0.8	16
1076	Self-assembly of para-substituted benzenethiols on copper: An XPS study. Superlattices and Microstructures, 2009, 46, 25-29.	1.4	7
1077	Highly dispersible polymer-coated silver Nanoparticles. Surface and Coatings Technology, 2009, 203, 2841-2844.	2.2	33
1078	Surface modification in microsystems and nanosystems. Surface Science Reports, 2009, 64, 233-254.	3.8	110
1079	Surface functionalization by low-energy electron processing of molecular ices. Surface Science, 2009, 603, 1873-1877.	0.8	3
1080	Reversible molecular switching at a metal surface: A case study of tetra-tert-butyl-azobenzene on Au(1) Tj ETQqO	0 0 rgBT / 0.8	Overlock 10
1081	Surface enhanced Raman spectroscopy of aromatic compounds on silver nanoclusters. Surface Science, 2009, 603, 788-793.	0.8	40
1082	Fabrication of self-assembled oligophenylethynylenethiol monolayer for electrochemical glucose biosensor. Ultramicroscopy, 2009, 109, 911-915.	0.8	4
1083	Adsorption change of cyclohexyl acetylene on gold nanoparticle surfaces. Vibrational Spectroscopy, 2009, 51, 193-198.	1.2	8
1084	Microstructured electroactive surface based on binary self-assembled monolayer. Journal of Electroanalytical Chemistry, 2009, 632, 1-7.	1.9	8
1085	Biocatalytic fuel cells: A comparison of surface pre-treatments for anchoring biocatalytic redox films on electrode surfaces. Journal of Electroanalytical Chemistry, 2009, 626, 111-115.	1.9	26

#	Article	IF	CITATIONS
1086	Chemisorption of aromatic thiols onto a glassy carbon surface. Journal of Electroanalytical Chemistry, 2009, 632, 120-126.	1.9	30
1087	Square Wave Voltammetry and Voltcoulometry applied to electrocatalytic reactions. Oxidation of ferrocyanide at a ferrocene modified gold electrode. Journal of Electroanalytical Chemistry, 2009, 634, 90-97.	1.9	24
1088	Selective adsorption of biladien-ab-one and zinc biladien-ab-one to mesoporous silica. Microporous and Mesoporous Materials, 2009, 120, 331-338.	2.2	11
1089	Selective blocking of active sites on supported gold catalysts by adsorbed thiols and its effect on the catalytic behavior: A combined experimental and theoretical study. Journal of Molecular Catalysis A, 2009, 305, 161-169.	4.8	45
1090	Surface-enhanced Raman spectroscopy as a probe for orientation of pyridine compounds on colloidal surfaces. Journal of Molecular Structure, 2009, 935, 92-96.	1.8	30
1091	In situ SIMS analysis and reactions of surfaces prepared by soft landing of mass-selected cations and anions using an ion trap mass spectrometer. Journal of the American Society for Mass Spectrometry, 2009, 20, 949-956.	1.2	26
1092	Functionalized gold nanoparticles: Synthesis, structure and colloid stability. Journal of Colloid and Interface Science, 2009, 331, 251-262.	5.0	351
1093	Spectroscopic evaluation of surface functionalization efficiency in the preparation of mercaptopropyltrimethoxysilane self-assembled monolayers on glass. Journal of Colloid and Interface Science, 2009, 332, 432-438.	5.0	53
1094	The simple and facile methods to improve dispersion stability of nanoparticles: Different chain length alkylcarboxylate mixtures. Journal of Colloid and Interface Science, 2009, 334, 208-211.	5.0	34
1095	Selective immobilization of proteins on gold dot arrays and characterization using chemical force microscopy. Journal of Colloid and Interface Science, 2009, 334, 161-166.	5.0	16
1096	Impedance differences found with n-alkanethiol monolayers prepared by contact printing and solution adsorption. Journal of Colloid and Interface Science, 2009, 336, 761-765.	5.0	5
1097	Multifunctional nanoparticles/silica microsphere assemblies using polyglycidyl methacrylate shells as supports. Journal of Colloid and Interface Science, 2009, 339, 83-90.	5.0	12
1098	Digital biomagnetism: Electrodeposited multilayer magnetic barcodes. Journal of Magnetism and Magnetic Materials, 2009, 321, 1662-1666.	1.0	6
1099	Evaluation of heterocumulenic ferrocene derivatives for "click―chemistry type reactions. Journal of Organometallic Chemistry, 2009, 694, 1055-1058.	0.8	19
1100	The coordination chemistry of gold surfaces: Formation and far-infrared spectra of alkanethiolate-capped gold nanoparticles. Journal of Organometallic Chemistry, 2009, 694, 1138-1143.	0.8	51
1101	Electrochemical DNA nano-biosensor for the study of spermidine–DNA interaction. Journal of Pharmaceutical and Biomedical Analysis, 2009, 49, 587-593.	1.4	43
1102	Switching behavior and optical absorbance of azobenzene-functionalized alkanethiols in different environments. Journal of Photochemistry and Photobiology A: Chemistry, 2009, 204, 102-109.	2.0	33
1103	Strategies exploiting functions and self-assembly properties of bioconjugates for polymer and materials sciences. Progress in Polymer Science, 2009, 34, 811-851.	11.8	192

#	Article	IF	CITATIONS
1104	Organic surfaces exposed by self-assembled organothiol monolayers: Preparation, characterization, and application. Progress in Surface Science, 2009, 84, 230-278.	3.8	249
1105	Probing the microenvironment of surface-attached pyrene formed by a thermo-responsive oligomer. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 74, 991-999.	2.0	12
1106	Coordination compounds built on metal surfaces. Coordination Chemistry Reviews, 2009, 253, 1262-1275.	9.5	36
1107	Self-assembly characteristics of gold nanoparticles in the presence of cysteine. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 338, 93-101.	2.3	168
1108	The effects of strain on STM lithography on HS-ssDNA/Au (111) surface. Applied Surface Science, 2009, 255, 6832-6839.	3.1	5
1109	Surface modification of copper with 2-dodecylpropane-1,3-dithiol: The key effect of the solvent. Applied Surface Science, 2009, 256, 1426-1430.	3.1	10
1110	Membrane-bound dehydrogenases from Gluconobacter sp.: Interfacial electrochemistry and direct bioelectrocatalysis. Bioelectrochemistry, 2009, 76, 53-62.	2.4	80
1111	The correlation between the adsorption of adhesive proteins and cell behaviour on hydroxyl-methyl mixed self-assembled monolayers. Biomaterials, 2009, 30, 307-316.	5.7	147
1112	Induction of notch signaling by immobilization of jagged-1 on self-assembled monolayers. Biomaterials, 2009, 30, 6879-6887.	5.7	29
1113	Fabrication and characterization of oriented carbon atom wires assembled on gold. Chemical Physics Letters, 2009, 469, 284-288.	1.2	2
1114	Is the LEPS potential accurate enough to investigate the dissociation of diatomic molecules on surfaces?. Chemical Physics Letters, 2009, 471, 136-142.	1.2	32
1115	Metal–adsorbate hybridized electronic states and their impact on surface enhanced Raman scattering. Chemical Physics Letters, 2009, 477, 144-149.	1.2	24
1116	Au adatom-linked CH3S–Au–SCH3 complexes on Au(1 1 1). Chemical Physics Letters, 2009, 477, 90-94.	1.2	11
1117	Contact-active microbicidal gold surfaces using immobilization of quaternary ammonium thiol derivatives. European Journal of Medicinal Chemistry, 2009, 44, 4227-4234.	2.6	14
1118	High performance bioanode based on direct electron transfer of fructose dehydrogenase at gold nanoparticle-modified electrodes. Electrochemistry Communications, 2009, 11, 668-671.	2.3	65
1119	A stability comparison of redox-active layers produced by chemical coupling of an osmium redox complex to pre-functionalized gold and carbon electrodes. Electrochimica Acta, 2009, 54, 1986-1991.	2.6	28
1120	Oriented self-assembled monolayers of bifunctional molecules on InAs. Journal of Electron Spectroscopy and Related Phenomena, 2009, 172, 42-46.	0.8	30
1121	Optimizing the PMIRRAS signal from a multilayer system and application to self-assembled monolayers in contact with liquids. Journal of Electron Spectroscopy and Related Phenomena, 2009, 172, 21-26.	0.8	10

#	Article	IF	CITATIONS
1122	IR spectroscopic characterization of SAMs made from a homologous series of pyridine disulfides. Journal of Electron Spectroscopy and Related Phenomena, 2009, 172, 120-127.	0.8	19
1123	Synchrotron PES and NEXAFS studies of self-assembled aromatic thiol monolayers on Au(111). Journal of Electron Spectroscopy and Related Phenomena, 2009, 172, 54-63.	0.8	13
1124	Electronic structure of self-assembled (fluoro)methylthiol monolayers on the Au(111) surface: Impact of fluorination and coverage density. Journal of Electron Spectroscopy and Related Phenomena, 2009, 174, 70-77.	0.8	12
1125	Some thoughts on the existence of ion and water channels in highly dense and well-ordered CH3-terminated alkanethiol self-assembled monolayers on gold. Biosensors and Bioelectronics, 2009, 24, 1074-1082.	5.3	19
1126	Synthesis, functionalization and photo-Bergman chemistry of enediyne bioconjugates. Bioorganic and Medicinal Chemistry, 2009, 17, 6292-6300.	1.4	14
1127	Biological functionality of active enzyme structures immobilized on various solid surfaces. Current Applied Physics, 2009, 9, 1454-1458.	1.1	9
1128	Combining nanosurface chemistry and microfluidics for molecular analysis and cell biology. Analytica Chimica Acta, 2009, 650, 98-105.	2.6	43
1129	Using self-assembled monolayers to model the extracellular matrix. Acta Biomaterialia, 2009, 5, 832-841.	4.1	129
1130	Supported silver catalysts prepared by deposition in aqueous solution of Ag nanoparticles obtained through a photochemical approach. Applied Catalysis A: General, 2009, 367, 138-145.	2.2	30
1131	Electrocatalytic determination of hydroquinone with Mn+ modified gold-5-amino-2-mercaptobenzimidazole self-assembled monolayer electrodes. Journal of the Iranian Chemical Society, 2009, 6, 104-112.	1.2	6
1132	Multifunctional Magnetic Nanoparticles: Design, Synthesis, and Biomedical Applications. Accounts of Chemical Research, 2009, 42, 1097-1107.	7.6	1,638
1133	Self-Assembly and Ripening of Polymeric Silverâ^'Alkanethiolate Crystals on Inert Surfaces. Langmuir, 2009, 25, 9585-9595.	1.6	28
1134	An atomic force microscope study of vanadium-benzene sandwich clusters soft-landed on self-assembled monolayers. European Physical Journal D, 2009, 52, 103-106.	0.6	5
1135	An Intramolecular Oâ^'N Migration Reaction on Gold Surfaces: Toward the Preparation of Well-Defined Amyloid Surfaces. ACS Nano, 2009, 3, 3091-3097.	7.3	11
1136	pH ontrollable Supramolecular Systems. Chemistry - an Asian Journal, 2009, 4, 364-381.	1.7	119
1137	Asymmetrically Functionalized, Fourâ€Armed, Poly(ethylene glycol) Compounds for Construction of Chemically Functionalizable Nonâ€Biofouling Surfaces. Chemistry - an Asian Journal, 2009, 4, 135-142.	1.7	6
1138	Fullerene/Thiol-Terminated Molecules. Journal of Organic Chemistry, 2009, 74, 7885-7897.	1.7	34
1139	The chemical patterning of Langmuir-Blodgett films by soft gel lithography. Nanotechnologies in Russia, 2009, 4, 275-280.	0.7	3

#	Article	IF	CITATIONS
1140	A first-principles study of Ãâ,¬-conjugated thiol phenothiazine derivatives adsorbed on Au(111) surface. Open Physics, 2009, 7, .	0.8	0
1141	Scanning Tunneling Microscopic Observation of Adatom-Mediated Motifs on Goldâ^'Thiol Self-Assembled Monolayers at High Coverage. Journal of Physical Chemistry C, 2009, 113, 19601-19608.	1.5	26
1142	Self-Assembly of a Functionalized Alkylated Isophthalic Acid at the Au(111)/Electrolyte Interface: Structure and Dynamics. Journal of Physical Chemistry C, 2009, 113, 11567-11574.	1.5	12
1143	Spatial Tuning of the Metal Work Function by Means of Alkanethiol and Fluorinated Alkanethiol Gradients. Journal of Physical Chemistry C, 2009, 113, 5620-5628.	1.5	51
1144	Probing Structure and Molecular Conductance in Highly Ordered Benzyl Mercaptan Monolayers. Journal of Physical Chemistry C, 2009, 113, 12395-12401.	1.5	13
1145	Quantification of Ink Diffusion in Microcontact Printing with Self-Assembled Monolayers. Langmuir, 2009, 25, 242-247.	1.6	23
1146	Selective Electroless Copper Deposition on Self-Assembled Dithiol Monolayers. ACS Applied Materials & Interfaces, 2009, 1, 584-589.	4.0	52
1147	Molecular Rectification in Metalâ `SAMâ `Metal Oxideâ `Metal Junctions. Journal of the American Chemical Society, 2009, 131, 17814-17827.	6.6	257
1148	Monolayer-Protected Gold Nanoparticles Prepared Using Long-Chain Alkanethioacetates. Langmuir, 2009, 25, 13855-13860.	1.6	45
1149	Polyester Nanoparticles Presenting Mannose Residues: Toward the Development of New Vaccine Delivery Systems Combining Biodegradability and Targeting Properties. Biomacromolecules, 2009, 10, 651-657.	2.6	77
1150	Surface-Segregated Monolayers: A New Type of Ordered Monolayer for Surface Modification of Organic Semiconductors. Journal of the American Chemical Society, 2009, 131, 17597-17604.	6.6	83
1151	Mechanochemical Delivery and Dynamic Tracking of Fluorescent Quantum Dots in the Cytoplasm and Nucleus of Living Cells. Nano Letters, 2009, 9, 2193-2198.	4.5	119
1152	Molecular Dynamics Simulation of Oxygen Transport through <i>n</i> -Alkanethiolate Self-Assembled Monolayers on Gold and Copper. Journal of Physical Chemistry B, 2009, 113, 456-464.	1.2	17
1153	Formation of Confined C ₆₀ Islands within Octanethiol Self-Assembled Monolayers on Au(111). Journal of Physical Chemistry C, 2009, 113, 17899-17903.	1.5	14
1154	Temperature-Dependent Vesicle Response to Surface Topography. Journal of Physical Chemistry B, 2009, 113, 11490-11495.	1.2	0
1155	Alkanethiolate Self-Assembled Monolayers As a Negative or Positive Resist for Electron Lithography. Journal of Physical Chemistry C, 2009, 113, 4543-4548.	1.5	7
1156	Supramolecular Ion-Pair Interactions To Control Monolayer Assembly. Langmuir, 2009, 25, 2159-2165.	1.6	23
1157	Surface Manipulation of Microtubules Using Self-Assembled Monolayers and Electrophoresis. ACS Nano, 2009, 3, 1938-1946.	7.3	13

#	Article	IF	CITATIONS
1158	Improved United-Atom Models for Perfluorinated Self-Assembled Monolayers. Journal of Physical Chemistry C, 2009, 113, 3300-3312.	1.5	5
1159	Growth of Long, Highly Stable, and Densely Packed Worm-Like Nanocolumns of Hexa-peri-Hexabenzocoronenes via Chemisorption on Au(111). Journal of the American Chemical Society, 2009, 131, 1378-1379.	6.6	21
1160	Transition of Molecule Orientation during Adsorption of Terephthalic Acid on Rutile TiO2(110). Journal of Physical Chemistry C, 2009, 113, 17471-17478.	1.5	52
1161	Chemical Microscopy of Surfaces by Sum Frequency Generation Imaging. Journal of Physical Chemistry C, 2009, 113, 16575-16588.	1.5	58
1162	Crystallization of Malonic and Succinic Acids on SAMs: Toward the General Mechanism of Oriented Nucleation on Organic Monolayers. Langmuir, 2009, 25, 14002-14006.	1.6	15
1163	Atomic force microscope nanolithography: dip-pen, nanoshaving, nanografting, tapping mode, electrochemical and thermal nanolithography. Journal of Physics Condensed Matter, 2009, 21, 483001.	0.7	80
1164	Electronic Properties of a Monolayerâ^'Electrolyte Interface Obtained from Mechanistic Impedance Analysis. Journal of Physical Chemistry C, 2009, 113, 9375-9391.	1.5	13
1165	Self-Assembled Monolayers of Alkanethiols on InAs. Langmuir, 2009, 25, 12185-12194.	1.6	32
1166	X-ray Absorption Spectroscopy Characterization of Cu Underpotential Deposition on Au(111) and Organothiol-Self-Assembled-Monolayer-Modified Au(111) Electrodes from Sulfate Supporting Electrolyte. Journal of Physical Chemistry C, 2009, 113, 12260-12271.	1.5	12
1167	Single-Cell Patterning and Adhesion on Chemically Engineered Poly(dimethylsiloxane) Surface. Langmuir, 2009, 25, 4615-4620.	1.6	26
1168	Separation of Peptides with Polyionic Nanosponges for MALDI-MS Analysis. Langmuir, 2009, 25, 1459-1465.	1.6	41
1169	Chemically Specific Laserâ`'Induced Patterning of Alkanethiol SAMs: Characterization by SEM and AFM. Langmuir, 2009, 25, 12819-12824.	1.6	17
1170	Identification and Passivation of Defects in Self-Assembled Monolayers. Langmuir, 2009, 25, 2585-2587.	1.6	23
1171	Electrochemical and Chemical Microfluidic Gold Etching to Generate Patterned and Gradient Substrates for Cell Adhesion and Cell Migration. Analytical Chemistry, 2009, 81, 3297-3303.	3.2	19
1172	Electrochemical Response of Cytochrome <i>c</i> Immobilized on Smooth and Roughened Silver and Gold Surfaces Chemically Modified with 11-Mercaptounodecanoic Acid. Journal of Physical Chemistry C, 2009, 113, 2861-2866.	1.5	26
1173	Monolayer Packing, Dehydration, and Ink-Binding Dynamics at the Molecular Printboard. Journal of Physical Chemistry C, 2009, 113, 7298-7304.	1.5	5
1174	Preparation and Characterization of 4â€2-Donor Substituted Stilbene-4-thiolate Monolayers and Their Influence on the Work Function of Gold. Langmuir, 2009, 25, 7967-7975.	1.6	24
1175	Entrapment of Decanethiol in a Hydrogen-Bonded Bimolecular Template. Langmuir, 2009, 25, 2278-2281.	1.6	16

#	Article		CITATIONS
1176	Monitoring and Mapping Imperfections in Silane-Based Self-Assembled Monolayers by Chemical Amplification. Langmuir, 2009, 25, 9078-9084.	1.6	17
1177	Long-Chain Alkylthiol Assemblies Containing Buried In-Plane Stabilizing Architectures. Langmuir, 2009, 25, 13959-13971.	1.6	18
1178	EC-STM Study of Potential-Controlled Adsorption of Substituted Pyrimidinethiol on Au(111). Langmuir, 2009, 25, 13488-13492.	1.6	9
1179	Nanostructures of Octadecyltrisiloxane Self-Assembled Monolayers Produced on Au(111) Using Particle Lithography. ACS Applied Materials & Interfaces, 2009, 1, 969-976.	4.0	24
1180	Energy Transfer, Unfolding, and Fragmentation Dynamics in Collisions of N-Protonated Octaglycine with an H-SAM Surface. Journal of the American Chemical Society, 2009, 131, 17185-17193.	6.6	49
1181	Physicochemical Properties of (Ethylene Glycol)-Containing Self-Assembled Monolayers Relevant for Protein and Algal Cell Resistance. Langmuir, 2009, 25, 10077-10082.	1.6	129
1182	Direct Observation of Nanoparticle Self-Assembly Dynamics at the Waterâ^'Air Interface Using Differential Interference Contrast Microscopy. Journal of Physical Chemistry C, 2009, 113, 1209-1216.	1.5	16
1183	Making Nanoflowerbeds: Reaction Pathways Involved in the Selective Chemical Bath Deposition of ZnS on Functionalized Alkanethiolate Self-Assembled Monolayers. ACS Nano, 2009, 3, 370-378.	7.3	31
1184	Additivity of the Excess Energy Dissipation Rate in a Dynamically Self-Assembled System. Journal of Physical Chemistry B, 2009, 113, 7574-7578.	1.2	12
1185	Preparation and Characterization of Octadecanethiol Self-Assembled Monolayers on Indium Arsenide (100). Journal of Physical Chemistry C, 2009, 113, 18331-18340.	1.5	26
1186	Adsorption and Thermal Reaction of Short-Chain Iodoalkanes on Ge(100). Journal of Physical Chemistry C, 2009, 113, 17447-17454.	1.5	7
1187	Adsorption Kinetics and Mechanical Properties of Ultrathin Polyelectrolyte Multilayers: Liquid-Supported versus Solid-Supported Films. Journal of Physical Chemistry B, 2009, 113, 7128-7137.	1.2	81
1188	Growth and Stability of a Self-Assembled Monolayer on Plasma-Treated Mica. Langmuir, 2009, 25, 5631-5636.	1.6	8
1189	Slow Charge Relaxation in Ionizable Alkanethiols and Its Role in Modulating Electric Characteristics of Molecules and Passivated Gold Nanoparticles. Journal of Physical Chemistry C, 2009, 113, 3683-3690.	1.5	1
1190	Tripodal Binding Units for Self-Assembled Monolayers on Gold: A Comparison of Thiol and Thioether Headgroups. Journal of Physical Chemistry C, 2009, 113, 19609-19617.	1.5	53
1191	A Simple Model to Describe the Effect of Electrostatic Interactions on the Composition of Mixed Self-Assembled Monolayers. Langmuir, 2009, 25, 2199-2203.	1.6	8
1192	Ferrocenyl Alkanethiolsâ^'Thio β-Cyclodextrin Mixed Self-Assembled Monolayers: Evidence of Ferrocene Electron Shuttling Through the β-Cyclodextrin Cavity. Langmuir, 2009, 25, 12937-12944.	1.6	21
1193	Controlled Etching as a Route to High Quality Silver Nanospheres for Optical Studies. Journal of Physical Chemistry C, 2009, 113, 16975-16982.	1.5	92

#	Article	IF	CITATIONS
1194	Mixing of Nonsubstituted and Partly Fluorinated Alkanethiols in a Binary Self-Assembled Monolayer. Journal of Physical Chemistry C, 2009, 113, 3697-3706.	1.5	41
1195	Fabrication of Mixed Self-Assembled Monolayers Designed for Avidin Immobilization by Irradiation Promoted Exchange Reaction. Langmuir, 2009, 25, 9189-9196.	1.6	40
1196	Exploiting Substrate Stress To Modify Nanoscale SAM Patterns. Journal of the American Chemical Society, 2009, 131, 16377-16379.	6.6	26
1197	Molecular Dynamics Simulation of Oxygen Transport through ï‰-Alkoxy- <i>n</i> -alkanethiolate Self-Assembled Monolayers on Gold and Copper. Langmuir, 2009, 25, 2689-2695.	1.6	12
1198	Submolecular Electronic Mapping of Single Cysteine Molecules by in Situ Scanning Tunneling Imaging. Langmuir, 2009, 25, 2232-2240.	1.6	25
1199	How Surface Wettability Affects the Binding, Folding, and Dynamics of Hydrophobic Polymers at Interfaces. Langmuir, 2009, 25, 13092-13099.	1.6	69
1200	Route to Smooth Silica-Based Surfaces Decorated with Novel Self-Assembled Monolayers (SAMs) Containing Glycidyl-Terminated Very Long Hydrocarbon Chains. Langmuir, 2009, 25, 5526-5535.	1.6	24
1201	Engineering the Spatial Selectivity of Surfaces at the Nanoscale Using Particle Lithography Combined with Vapor Deposition of Organosilanes. ACS Nano, 2009, 3, 2023-2035.	7.3	70
1202	Highly Sensitive Glucose Biosensor Based on One-Pot Biochemical Preoxidation and Electropolymerization of 2,5-Dimercapto-1,3,4-thiadiazole in Glucose Oxidase-Containing Aqueous Suspension. Journal of Physical Chemistry B, 2009, 113, 1332-1340.	1.2	32
1203	SERS Study of the Controllable Release of Nitric Oxide from Aromatic Nitrosothiols on Bimetallic, Bifunctional Nanoparticles Supported on Carbon Nanotubes. ACS Applied Materials & Interfaces, 2009, 1, 56-59.	4.0	23
1204	Soft-Landing Experiments of Cr(benzene)2 Sandwich Complexes onto a Carboxyl-Terminated Self-Assembled Monolayer Matrix. Journal of Physical Chemistry C, 2009, 113, 4476-4482.	1.5	14
1205	Creating Well-Defined Hot Spots for Surface-Enhanced Raman Scattering by Single-Crystalline Noble Metal Nanowire Pairs. Journal of Physical Chemistry C, 2009, 113, 7492-7496.	1.5	54
1206	Electric Bistability in Pentacene Film-Based Transistor Embedding Gold Nanoparticles. Journal of the American Chemical Society, 2009, 131, 12441-12450.	6.6	77
1207	A Highly Selective, Biofunctional Surface for Molecule/Cell Sorting. ACS Applied Materials & Interfaces, 2009, 1, 514-518.	4.0	6
1208	Tribology of Monolayer Films: Comparison between <i>n</i> -Alkanethiols on Gold and <i>n</i> -Alkyl Trichlorosilanes on Silicon. Langmuir, 2009, 25, 9995-10001.	1.6	40
1209	Selective Anodic Desorption for Assembly of Different Thiol Monolayers on the Individual Electrodes of an Array. Langmuir, 2009, 25, 6517-6521.	1.6	26
1210	Influence of Solvation and the Structure of Adsorbates on the Kinetics and Mechanism of Dimerization-Induced Compositional Changes of Mixed Monolayers on TiO ₂ . Langmuir, 2009, 25, 12217-12228.	1.6	19
1211	Nanoimprinted Thin Films of Reactive, Azlactone-Containing Polymers: Combining Methods for the Topographic Patterning of Cell Substrates with Opportunities for Facile Post-Fabrication Chemical Functionalization. Biomacromolecules, 2009, 10, 994-1003.	2.6	22

#	Article	IF	CITATIONS
1212	STM Imaging <i>ortho-</i> and <i>para</i> -Fluorothiophenol Self-Assembled Monolayers on Au(111). Langmuir, 2009, 25, 5012-5017.	1.6	36
1213	Hollow Metal Nanorods with Tunable Dimensions, Porosity, and Photonic Properties. ACS Nano, 2009, 3, 1365-1372.	7.3	66
1214	Formation of Alkanethiolate Self-Assembled Monolayers at Halide-Terminated Ge Surfaces. Langmuir, 2009, 25, 2013-2025.	1.6	38
1215	Orientation and Ordering in Monomolecular Films of Sulfur-Modified Homo-oligonucleotides on Gold. Journal of Physical Chemistry C, 2009, 113, 18312-18320.	1.5	23
1216	Multispectral Thin Film Biosensing and Quantitative Imaging Using 3D Plasmonic Crystals. Analytical Chemistry, 2009, 81, 5980-5989.	3.2	39
1217	Flexible Strategy for Immobilizing Redox-Active Compounds Using in Situ Generation of Diazonium Salts. Investigations of the Blocking and Catalytic Properties of the Layers. Langmuir, 2009, 25, 12742-12749.	1.6	40
1218	Molecular Dynamics on Interface and Nanoscratch Mechanisms of Alkanethiol Self-Assembled Monolayers. Journal of Physical Chemistry B, 2009, 113, 14994-15001.	1.2	9
1219	Energy Level Pinning in Self-Assembled Alkanethiol Monolayers. Journal of Physical Chemistry C, 2009, 113, 4575-4583.	1.5	35
1220	c(4 × 2) Structures of Alkanethiol Monolayers on Au (111) Compatible with the Constraint of Dense Packing. Langmuir, 2009, 25, 7353-7358.	1.6	35
1221	Diffusion of the Linear CH ₃ Sâ^'Auâ^'SCH ₃ Complex on Au(111) from First Principles. Journal of Physical Chemistry C, 2009, 113, 3763-3766.	1.5	22
1222	Determination of interaction strength between corrole and phenol derivatives in aqueous media using atomic force microscopy. Supramolecular Chemistry, 2009, 21, 555-563.	1.5	3
1223	Load-Free Determination of Film Structure Dependent Tunneling Decay Factors in Molecular Junctions. Journal of Physical Chemistry C, 2009, 113, 21903-21910.	1.5	3
1224	Cu-Adatom-Mediated Bonding in Close-Packed Benzoate/Cu(110)-Systems. Langmuir, 2009, 25, 856-864.	1.6	28
1225	Investigation of the MALDI Process Used to Characterize Self-Assembled Monolayers of Alkanethiolates on Gold. Langmuir, 2009, 25, 3692-3697.	1.6	8
1226	Scaling of anisotropic droplet shapes on chemically stripe-patterned surfaces. Physical Review E, 2009, 79, 041601.	0.8	81
1227	Effect of Steric Hindrance on Desorption Processes of Alkanethiols on Au(111). Journal of Physical Chemistry C, 2009, 113, 18795-18799.	1.5	39
1228	Stability of Binary SAMs Formed by ω-Acid and Alcohol Functionalized Thiol Mixtures. Langmuir, 2009, 25, 9980-9985.	1.6	32
1229	Supramolecular Aggregation of Inorganic Molecules at Au(111) Electrodes under a Strong Ionic Atmosphere. Journal of the American Chemical Society, 2009, 131, 14728-14737.	6.6	20

ARTICLE IF CITATIONS Photopatterning, Etching, and Derivatization of Self-Assembled Monolayers of Phosphonic Acids on 1230 41 1.6 the Native Oxide of Titanium. Langmuir, 2009, 25, 10746-10753. Patterned Hybrid Nanohole Array Surfaces for Cell Adhesion and Migration. Langmuir, 2009, 25, 1.6 11236-11238. Constructing Golda[^]Thiolate Oligomers and Polymers on Au(111) Based on the Linear Sa[^]Aua[^]S Geometry. 1232 1.5 18 Journal of Physical Chemistry C, 2009, 113, 7838-7842. Probing the Relative Stability of Thiolate- and Dithiolate-Protected Au Monolayer-Protected Clusters. Langmuir, 2009, 25, 12954-12961. Laterally Mobile, Functionalized Self-Assembled Monolayers at the Fluorousa[^]Aqueous Interface in a 1234 Plug-Based Microfluidic System: Characterization and Testing with Membrane Protein Crystallization. 6.6 50 Journal of the American Chemical Society, 2009, 131, 6042-6043. Stepwise Functionalization of ZnO Nanotips with DNA. Langmuir, 2009, 25, 2107-2113. 1.6 Mechanisms of Charge Transport through Monolayer-Modified Polycrystalline Gold Electrodes in the 1236 1.5 9 Absence of Redox-Active Moieties. Journal of Physical Chemistry C, 2009, 113, 4687-4705. Self-Assembled Film Organization in Fast Microcontact Printing Investigated by Sum Frequency 1.5 Generation Spectroscopy. Journal of Physical Chemistry C, 2009, 113, 9857-9864. Oligo(ethylene oxide) Self-Assembled Monolayers with Self-Limiting Packing Densities for the 1238 1.6 18 Inhibition of Nonspecific Protein Adsorption. Langmuir, 2009, 25, 5026-5030. Self-Assembled Monolayers Based on Pd-Containing Organometallic Thiols: Preparation and 1.1 Structural Characterization. Journal of Physical Chemistry A, 2009, 113, 14730-14740. Photoinduced Recovery of Gold Using an Inorganic/Organic Hybrid Photocatalyst. Journal of Physical 1240 1.5 13 Chemistry C, 2009, 113, 19986-19993. Structural Analysis of Nanofilms Using FTIR Spectroscopy. An Introduction to the Spectroscopic 1241 1.1 Analysis of Nanostructures for Undergraduate Students. Journal of Chemical Education, 2009, 86, 719. Metal Nanoparticlea[^]Block Copolymer Composite Assembly and Disassembly. Chemistry of Materials, 1242 3.2 50 2009, 21, 5578-5584. XPS and SPR Analysis of Glycoarray Surface Density. Langmuir, 2009, 25, 2181-2187. 1243 1.6 A study of the inhibition of iron corrosion by imidazole and its derivatives self-assembled films. 1244 3.0 170 Corrosion Science, 2009, 51, 291-300. Characterization of PDMS-modified glass from cast-and-peel fabrication. Talanta, 2009, 79, 333-338. 1245 Nanostructured transducer surfaces for electrochemical biosensor constructionâ€"Interfacing the 1246 2.315 sensing component with the electrode. Seminars in Cell and Developmental Biology, 2009, 20, 34-40. 1248 Nanotechnology, nanotoxicology, and neuroscience. Progress in Neurobiology, 2009, 87, 133-170. 2.8

ARTICLE

IF CITATIONS

Salt-induced changes in the growth of polyelectrolyte layers of poly(diallyl-dimethylammonium) Tj ETQq0 0 0 rgBT 10/1247 173 Tf 50 74

1250	Nanoscale optoelectronic switches and logic devices. Nanoscale, 2009, 1, 299.	2.8	74
1251	Engineering SERS via absorption control in novel hybrid Ni/Au nanovoids. Optics Express, 2009, 17, 13298.	1.7	30
1252	Blue-shift of surface plasmon resonance in a metal nanoslit array structure. Optics Express, 2009, 17, 16081.	1.7	37
1253	Thiolated Gold Nanowires: Metallic <i>versus</i> Semiconducting. ACS Nano, 2009, 3, 2351-2357.	7.3	57
1254	Long-range surface plasmon polaritons. Advances in Optics and Photonics, 2009, 1, 484.	12.1	839
1255	The Role Radius of Curvature Plays in Thiolated Oligonucleotide Loading on Gold Nanoparticles. ACS Nano, 2009, 3, 418-424.	7.3	434
1256	Synthesis and Characterization of Glycerol Dendrons, Self-Assembled Monolayers on Gold: A Detailed Study of Their Protein Resistance. Biomacromolecules, 2009, 10, 1043-1054.	2.6	126
1257	An Electrochemical Study of 4-Aminothiophenol/Pt Nanoparticle Multilayers on Gold Electrodes. Langmuir, 2009, 25, 534-541.	1.6	24
1258	The Role of Gold Adatoms and Stereochemistry in Self-Assembly of Methylthiolate on Au(111). Journal of the American Chemical Society, 2009, 131, 12989-12993.	6.6	159
1259	Self-assembly from milli- to nanoscales: methods and applications. Journal of Micromechanics and Microengineering, 2009, 19, 083001.	1.5	205
1260	Catechol boronate formation and its electrochemical oxidation. Chemical Communications, 2009, , 2151.	2.2	29
1261	Polymorph-Directing Seeding of Entacapone Crystallization in Aqueous/Acetone Solution Using a Self-Assembled Molecular Layer on Au (100). Crystal Growth and Design, 2009, 9, 4324-4334.	1.4	16
1262	Chemical Modification of Reactive Multilayered Films Fabricated from Poly(2-alkenyl azlactone)s: Design of Surfaces that Prevent or Promote Mammalian Cell Adhesion and Bacterial Biofilm Growth. Biomacromolecules, 2009, 10, 1564-1574.	2.6	75
1263	Sensitive turn-on fluorescent detection of cyanide based on the dissolution of fluorophore functionalized gold nanoparticles. Chemical Communications, 2009, , 3077.	2.2	102
1264	Controlled Polyelectrolyte Coating of Glass-Supported Metal Nanostructures. Langmuir, 2009, 25, 1097-1102.	1.6	3
1265	Electrochemical and surface plasmon resonance characterization of β-cyclodextrin-based self-assembled monolayers and evaluation of their inclusion complexes with glucocorticoids. Nanotechnology, 2009, 20, 285502.	1.3	7
1266	Molecular Beam Deposition and Characterisation of Thin Organic Films on Metals for Applications in Organic Electronics. , 0, , 207-233.		0

#	Article	IF	CITATIONS
1267	Thin films of metal–organic frameworks. Chemical Society Reviews, 2009, 38, 1418.	18.7	829
1268	Postformation Modification of SAMs: Using Click Chemistry to Functionalize Organic Surfaces. Langmuir, 2009, 25, 11480-11485.	1.6	41
1269	Micropatterned Surfaces with Covalently Grafted Unsymmetrical Polyoxometalate-Hybrid Clusters Lead to Selective Cell Adhesion. Journal of the American Chemical Society, 2009, 131, 1340-1341.	6.6	153
1270	Norepinephrine: Material-Independent, Multifunctional Surface Modification Reagent. Journal of the American Chemical Society, 2009, 131, 13224-13225.	6.6	298
1272	Direct electrochemistry of bilirubin oxidase on three-dimensional gold nanoparticle electrodes and its application in a biofuel cell. Energy and Environmental Science, 2009, 2, 1280.	15.6	172
1273	Spintronics in organic ï€-electronic systems. Journal of Materials Chemistry, 2009, 19, 1738.	6.7	112
1274	Gold, Poly(β-amino ester) Nanoparticles for Small Interfering RNA Delivery. Nano Letters, 2009, 9, 2402-2406.	4.5	258
1275	Controlled Assembly of Gold Nanoparticles and Graphene Oxide Sheets on Dip Pen Nanolithography-Generated Templates. Langmuir, 2009, 25, 10455-10458.	1.6	54
1276	Si nanowire ion-sensitive field-effect transistors with a shared floating gate. Applied Physics Letters, 2009, 94, 163106.	1.5	8
1277	A robust procedure for the functionalization of gold nanorods and noble metal nanoparticles. Chemical Communications, 2009, , 1724.	2.2	94
1278	Gold Nanoparticles Decorated with Oligo(ethylene glycol) Thiols: Enhanced Hofmeister Effects in Colloidâ^'Protein Mixtures. Journal of Physical Chemistry C, 2009, 113, 4839-4847.	1.5	25
1279	Effects of Ligand Coordination Number and Surface Curvature on the Stability of Gold Nanoparticles in Aqueous Solutions. Langmuir, 2009, 25, 10604-10611.	1.6	133
1280	How Wetting and Adhesion Affect Thermal Conductance of a Range of Hydrophobic to Hydrophilic Aqueous Interfaces. Physical Review Letters, 2009, 102, 156101.	2.9	251
1281	Probing the Organization of Charged Self-Assembled Monolayers by Using the Effects of pH, Time, Electrolyte Anion, and Temperature, on the Charge Transfer of Electroactive Probes. Journal of Physical Chemistry C, 2009, 113, 2405-2416.	1.5	14
1282	Surface-enhanced Raman spectroscopy of CdSe quantum dots on nanostructured plasmonic surfaces. Applied Physics Letters, 2009, 95, 141111.	1.5	56
1283	Directed covalent assembly of rigid organic nanodisks using self-assembled temporary scaffolds. Chemical Communications, 2009, , 1112.	2.2	29
1284	Graphitic Nanoribbons with Dibenzo[<i>e,l</i>]pyrene Repeat Units: Synthesis and Self-Assembly. Macromolecules, 2009, 42, 6878-6884.	2.2	81
1285	Combinatorial Methods for Chemical and Biological Sensors. , 2009, , .		14

#	Article	IF	CITATIONS
1286	Templates in Chemistry III. Topics in Current Chemistry, 2009, , .	4.0	12
1287	Inorganic Nanoparticles for Biomedical Applications. , 2009, , 272-289.		8
1288	Carbohydrate Surface Attachment Characterized by Sum Frequency Generation Spectroscopy. Langmuir, 2009, 25, 1901-1904.	1.6	25
1289	Nanoholes As Nanochannels: Flow-through Plasmonic Sensing. Analytical Chemistry, 2009, 81, 4308-4311.	3.2	264
1290	Immobilization and release strategies for DNA delivery using carbon nanofiber arrays and self-assembled monolayers. Nanotechnology, 2009, 20, 145304.	1.3	36
1291	Enhanced Stability of Thiolate Self-Assembled Monolayers (SAMs) on Nanostructured Gold Substrates. Langmuir, 2009, 25, 5661-5666.	1.6	70
1292	Tailoring Bicomponent Supramolecular Nanoporous Networks: Phase Segregation, Polymorphism, and Glasses at the Solidâ^'Liquid Interface. Journal of the American Chemical Society, 2009, 131, 13062-13071.	6.6	134
1293	Mechanism for phase transitions and vacancy island formation in alkylthiol/Au(111) self-assembled monolayers based on adatom and vacancy-induced reconstructions. Physical Review B, 2009, 79, .	1.1	37
1294	Description of Ferrocenylalkylthiol SAMs on Gold by Molecular Dynamics Simulations. Langmuir, 2009, 25, 9164-9172.	1.6	24
1295	Comparison of Diazonium Salt Derived and Thiol Derived Nitrobenzene Layers on Gold. Langmuir, 2009, 25, 4556-4563.	1.6	119
1296	Handbook of Single-Molecule Biophysics. , 2009, , .		70
1297	Self-Assembly and Structure of Directly Imaged Inorganic-Anion Monolayers on a Gold Nanoparticle. Journal of the American Chemical Society, 2009, 131, 17412-17422.	6.6	102
1298	Spectroelectrochemical Study of the [NiFe] Hydrogenase from Desulfovibrio vulgaris Miyazaki F in Solution and Immobilized on Biocompatible Gold Surfaces. Journal of Physical Chemistry B, 2009, 113, 15344-15351.	1.2	61
1299	On the Release of Hydrogen from the Sâ^'H groups in the Formation of Self-Assembled Monolayers of Thiols. Langmuir, 2009, 25, 10435-10438.	1.6	83
1300	The dependence between forces and dissipation rates mediating dynamic self-assembly. Soft Matter, 2009, 5, 1279.	1.2	24
1301	Assembly of Polygonal Nanoparticle Clusters Directed by Reversible Noncovalent Bonding Interactions. Nano Letters, 2009, 9, 3185-3190.	4.5	82
1302	Uncovering the hidden gold atoms in a self-assembled monolayer of alkanethiol molecules on Au(111). Physical Review B, 2009, 79, .	1.1	47
1303	The Wettability and Topography of Self-Assembled Protein Monolayer Linked by Alkanethiols. , 2009, , .		2

#	Article	IF	CITATIONS
1304	Reversible photoisomerization of an azobenzene-functionalized self-assembled monolayer probed by sum-frequency generation vibrational spectroscopy. Physical Chemistry Chemical Physics, 2009, 11, 6242.	1.3	76
1305	Heterogeneous Proton-Coupled Electron Transfer of an Aminoanthraquinone Self-Assembled Monolayer. Journal of Physical Chemistry C, 2009, 113, 4915-4924.	1.5	41
1306	Deprotection, Tethering, and Activation of a Catalytically Active Metalloporphyrin to a Chemically Active Metal Surface: [SAc] ₄ Pâ^'Mn(III)Cl on Ag(100). Journal of the American Chemical Society, 2009, 131, 1910-1914.	6.6	30
1307	Shedding light on surfaces—using photons to transform and pattern material surfaces. Soft Matter, 2009, 5, 36-50.	1.2	36
1308	Nanofabrication beyond Electronics. ACS Nano, 2009, 3, 1049-1056.	7.3	59
1309	Aggregation-Enhanced Emission in Gold Nanoparticles Protected by Tetradentate Perylene Derivative. Langmuir, 2009, 25, 11351-11357.	1.6	16
1310	Coherent Multidimensional Optical Spectroscopy of Excitons in Molecular Aggregates; Quasiparticle versus Supermolecule Perspectives. Chemical Reviews, 2009, 109, 2350-2408.	23.0	446
1312	Surface Electroinitiated Emulsion Polymerization (SEEP): A Mechanistic Approach. Chemistry of Materials, 2009, 21, 4261-4274.	3.2	58
1313	Surface-enhanced IR–visible sum frequency generation vibrational spectroscopy. Physical Chemistry Chemical Physics, 2009, 11, 3436.	1.3	48
1314	Photoactivation of Alkyl Câ^'H and Silanization: A Simple and General Route to Prepare High-Density Primary Amines on Inert Polymer Surfaces for Protein Immobilization. Biomacromolecules, 2009, 10, 1238-1243.	2.6	31
1315	Self-Assembled Monolayers of 2-Adamantanethiol on Au{111}: Control of Structure and Displacement. Journal of Physical Chemistry A, 2009, 113, 3895-3903.	1.1	44
1316	A Study on the Formation and Thermal Stability of 11-MUA SAMs on Au(111)/Mica and on Polycrystalline Gold Foils. Langmuir, 2009, 25, 1427-1433.	1.6	39
1317	Heads <i>and</i> Tails: Simultaneous Exposed and Buried Interface Imaging of Monolayers. ACS Nano, 2009, 3, 3115-3121.	7.3	49
1318	Reversible Lability by <i>in Situ</i> Reaction of Self-Assembled Monolayers. Journal of the American Chemical Society, 2009, 131, 2252-2259.	6.6	33
1319	Identifying the Length Dependence of Orbital Alignment and Contact Coupling in Molecular Heterojunctions. Nano Letters, 2009, 9, 1164-1169.	4.5	207
1320	Adsorption and diffusion ofSCH3radicals andAu(SCH3)2complexes on the unreconstructed Au(111) surface in the submonolayer coverage regime. Physical Review B, 2009, 79, .	1.1	18
1321	Infrared spectra and density functional theory calculations of coinage metal disulfide molecules and complexes. Dalton Transactions, 2009, , 4190.	1.6	15
1322	Enantioselective crystallization on nanochiral surfaces. Chemical Society Reviews, 2009, 38, 772.	18.7	85

		CITATION REPORT		
#	Article		IF	CITATIONS
1323	Immunity of Coated Self-Ordered Silver Nanocrystals: A New Intrinsic Property Due to t Nanocrystal Ordering. Langmuir, 2009, 25, 2824-2830.	he	1.6	19
1324	Quantitative Kinetic Measurements of the Esterification of Self-Assembled Monolayers Mercaptoundecanol by Trifluoroacetic Anhydride Using Friction Force Microscopy. Lang 25, 9182-9188.		1.6	9
1325	H-Atom Position as Pattern-Determining Factor in Arenethiol Films. Journal of the Ameri Society, 2009, 131, 5540-5545.	can Chemical	6.6	14
1326	Osmium Carbonyl Clusters on Gold and Silver Nanoparticles as Models for Studying the with the Metallic Surface. Journal of Physical Chemistry C, 2009, 113, 18562-18569.	Interaction	1.5	9
1327	Thermoresponsive Properties of N-Isopropylacrylamide Oligomer Brushes Grafted to Go Nanoparticles: Effects of Molar Mass and Gold Core Size. Macromolecules, 2009, 42, 20		2.2	76
1328	Multimodal drug delivery using gold nanoparticles. Nanoscale, 2009, 1, 61.		2.8	243
1329	Soft nanotechnology: "structureâ€vs."function― Faraday Discussions, 2009, 1	43, 373.	1.6	55
1330	Photoresponsive SAMs on gold fabricated from azobenzene-functionalised asparagusic derivatives. Dalton Transactions, 2009, , 8593.	acid	1.6	21
1331	Structure and composition of binary monolayers self-assembled from sodium 2-mercaptoetanosulfonate and mercaptoundecanol mixed solutions on silver and gold Physical Chemistry Chemical Physics, 2009, 11, 3390.	supports.	1.3	17
1332	Fluorine-labeling as a diagnostic for thiol-ligand and gold nanocluster self-assembly. Ana 2009, 134, 1790.	alyst, The,	1.7	19
1333	Controlled nanostructuring of a gold film covered with alkanethiol SAM by low energy of implantation. Physical Chemistry Chemical Physics, 2009, 11, 1521.	cluster	1.3	19
1334	Light-driven altitudinal molecular motors on surfaces. Chemical Communications, 2009	,,1712.	2.2	73
1335	Proton switching of polarity in metalloamphiphile crystals. CrystEngComm, 2009, 11, 2	49-253.	1.3	8
1336	Enhanced Electrical Properties of Anisotropic Conductive Adhesive With \$pi\$-Conjugat Self-Assembled Molecular Wire Junctions. IEEE Transactions on Components and Packa Technologies, 2009, 32, 677-683.	ed ging	1.4	12
1337	Self-assembled monolayer-assisted mass spectrometry. Journal of Materials Chemistry,	2009, 19, 8032.	6.7	8
1338	Electrochemical quartz crystal microbalance study of covalent tethering of carboxylated polyaniline for electrocatalyzed oxidation of ascorbic acid in neutral aqueous solution. I Chemistry Chemical Physics, 2009, 11, 9050.		1.3	21
1339	Microcontact chemistry: surface reactions in nanoscale confinement. Journal of Materia 2009, 19, 8902.	als Chemistry,	6.7	49

1340	STICS: surface-tethered iterative carbohydrat	synthesis. Chemical Communications,	2009, , 1834.	2.2	37
------	---	-------------------------------------	---------------	-----	----

#	Article	IF	CITATIONS
1341	Fabrication of titanium oxide/phthalocyanine hybrid multilayers and their application to interface control for an organic diode. Journal of Materials Chemistry, 2009, 19, 8403.	6.7	8
1342	Self-assembled dithiothreitol on Au surfaces for biological applications: phospholipid bilayer formation. Physical Chemistry Chemical Physics, 2009, 11, 1077-1084.	1.3	46
1343	Application of self assembly monolayer (SAM) in lowering the process temperature during Cu-Cu diffusion bonding of 3D IC. , 2009, , .		7
1344	Photofunctional thin film devices composed of polymernanosheet assemblies. Journal of Materials Chemistry, 2009, 19, 325-329.	6.7	34
1345	A novel method of self-assembling siloxane bi-layer directly on SiO <inf>2</inf> surface of micro-cantilever for long-term repeatable sensing to trace explosives. , 2009, , .		1
1346	Comparative study of copper surface treatment with self-assembled monolayers of aliphatic thiol, dithiol and dithiocarboxylic acid. Journal of Electroanalytical Chemistry, 2009, 637, 43-49.	1.9	27
1347	Structure and Bonding in the Ubiquitous Icosahedral Metallic Gold Cluster Au ₁₄₄ (SR) ₆₀ . Journal of Physical Chemistry C, 2009, 113, 5035-5038.	1.5	393
1348	Direct Electron Transfer to a Metalloenzyme Redox Center Coordinated to a Monolayer-Protected Cluster. Journal of the American Chemical Society, 2009, 131, 10229-10236.	6.6	70
1349	Molecular Electronics. Annual Review of Materials Research, 2009, 39, 1-23.	4.3	311
1350	Green synthesis of gold nanoparticles with starch–glucose and application in bioelectrochemistry. Journal of Materials Chemistry, 2009, 19, 7839.	6.7	165
1351	Applications of Orthogonal "Click―Chemistries in the Synthesis of Functional Soft Materials. Chemical Reviews, 2009, 109, 5620-5686.	23.0	1,366
1352	Self-Assembly of Alkanedithiols on Au(111) from Solution: Effect of Chain Length and Self-Assembly Conditions. Langmuir, 2009, 25, 12945-12953.	1.6	72
1353	Varying the Electrochemical Potential and Thickness of Porphyrazine SAMs by Molecular Design. Journal of Physical Chemistry B, 2009, 113, 14892-14903.	1.2	16
1354	Self-assembly: from crystals to cells. Soft Matter, 2009, 5, 1110.	1.2	385
1355	On the Nature of DNA Self-Assembled Monolayers on Au: Measuring Surface Heterogeneity with Electrochemical in Situ Fluorescence Microscopy. Journal of the American Chemical Society, 2009, 131, 4042-4050.	6.6	125
1356	Mixed Self-Assembled Monolayers of Ferrocene-Terminated and Unsubstituted Alkanethiols on Gold: Surface Structure and Work Function. Journal of Physical Chemistry C, 2009, 113, 1972-1979.	1.5	50
1357	Thermal grafting of organic monolayers on amorphous carbon and silicon (111) surfaces: A comparative study. Diamond and Related Materials, 2009, 18, 1074-1080.	1.8	11
1358	Electrochemical and X-ray Photoelectron Spectroscopy Characterization of Alkanethiols Adsorbed on Palladium Surfaces. Journal of Physical Chemistry C, 2009, 113, 6735-6742.	1.5	42

#	Article	IF	CITATIONS
1359	Studies on the Adsorption Property and Structure of Polyamine-Ended Poly(ethylene glycol) Derivatives on a Gold Surface by Surface Plasmon Resonance and Angle-Resolved X-ray Photoelectron Spectroscopy. Langmuir, 2009, 25, 12243-12249.	1.6	24
1360	Direct Electron Transfer of Thiol-Derivatized Tetraphenylporphyrin Assembled on Gold Electrodes in an Aqueous Solution. Journal of Physical Chemistry C, 2009, 113, 9359-9367.	1.5	26
1361	Selective functionalization of gold arms of a surface plasmon polariton Mach-Zehnder interferometer for biosensing. , 2009, , .		0
1362	Recent Progress in Electrochemical Surface Science with Atomic and Molecular Levels. Electrochemistry, 2009, 77, 2-20.	0.6	64
1363	Facile Method for Constructing Metallic Nanoarrays on a Solid Surface. Analytical Sciences, 2009, 25, 1387-1396.	0.8	9
1364	Synthesis of Thiol-capped Gold Nanoparticles with Organometallic Reagents as a New Class of Reducing Agent. Chemistry Letters, 2009, 38, 562-563.	0.7	14
1365	Ion-selective Imaging by Atomic Force Microscopy with a Crown-ether-modified Tip. Chemistry Letters, 2009, 38, 58-59.	0.7	1
1366	A Molecular Dynamics Study on Thermal Boundary Resistance over the Interfaces of Self-Assembled Monolayer and Solvent(Thermal Engineering). 880-02 Nihon Kikai Gakkai Ronbunshū Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2009, 75, 146-154.	0.2	1
1367	Recent Progress in Electrochemical Surface Science with Atomic and Molecular Levels. Electrochemistry, 2009, 77, E1.	0.6	2
1368	Dynamics of the Reaction of O(³ P) Atoms with Alkylthiol Self-assembled Monolayers. Journal of Physical Chemistry A, 2009, 113, 4320-4329.	1.1	27
1369	Infrared and UV-Vis spectroscopic study of 3,7,10-substituted-phenothiazine derivatives adsorbed on gold nanoparticles. Journal of Physics: Conference Series, 2009, 182, 012019.	0.3	6
1370	Electronic Processes at Organic/Metal Interfaces: Recent Progress and Pitfalls. Current Organic Chemistry, 2010, 14, 198-211.	0.9	8
1371	Largeâ€Sized Fabrication of Tunable Plasmonic Electrodes <i>Via</i> Electrodeposition. Journal of the Chinese Chemical Society, 2010, 57, 162-166.	0.8	1
1372	Surface plasmon effects induced by uncollimated emission of semiconductor microstructures. , 2010,		1
1376	MICROPATTERNED POLYMER STRUCTURES FOR CELL AND TISSUE ENGINEERING. , 2010, , 101-120.		0
1378	Bioaffinity limitations for anisotropically etched silicon microfluidics. International Journal of Abrasive Technology, 2010, 3, 122.	0.2	Ο
1380	Layer by Layer Construction of Metal–Organic Molecule Bilayer on a Au(111) Surface. Chemistry Letters, 2010, 39, 110-111.	0.7	4
1381	Synthesis of <i>N</i> , <i>N</i> ′-Bis(thioacetoxyalkoxy)piperazine and Its Self-assembled Monolayer (SAM) Formation on Gold Electrode. Chemistry Letters, 2010, 39, 415-417.	0.7	3

#	Article	IF	CITATIONS
1382	Atomic Layer Deposition of Dielectric Overlayers for Enhancing the Optical Properties and Chemical Stability of Plasmonic Nanoholes. ACS Nano, 2010, 4, 947-954.	7.3	90
1383	Sulfur Modification of Au via Treatment with Piranha Solution Provides Low-Pd Releasing and Recyclable Pd Material, SAPd. Journal of the American Chemical Society, 2010, 132, 7270-7272.	6.6	77
1384	Surface Sensitization Techniques and Recognition Receptors Immobilization on Biosensors and Microarrays. , 2010, , 47-134.		25
1385	Esterification of Self-Assembled Carboxylic-Acid-Terminated Thiol Monolayers in Acid Environment: A Time-Dependent Study. Langmuir, 2010, 26, 821-829.	1.6	14
1386	Bishydrazide Glycoconjugates for Lectin Recognition and Capture of Bacterial Pathogens. Bioconjugate Chemistry, 2010, 21, 2065-2075.	1.8	30
1387	Surface modification, functionalization and bioconjugation of colloidal inorganic nanoparticles. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2010, 368, 1333-1383.	1.6	1,294
1388	Aliphatic Alcohols Facilitate Interfacial Reorientation of Thiols: Correlation with Alcohol Adsorptivity. Langmuir, 2010, 26, 5254-5261.	1.6	4
1389	Reorientation of Thiols during 2D Self-Assembly: Interplay between Steric and Energetic Factors. Langmuir, 2010, 26, 2914-2923.	1.6	12
1390	Kinetic Dispersion in Redox-Active Dithiocarbamate Monolayers. Langmuir, 2010, 26, 2904-2913.	1.6	29
1391	ESR spectroscopy as a tool to investigate the properties of self-assembled monolayers protecting gold nanoparticles. Nanoscale, 2010, 2, 668.	2.8	48
1392	Fabrication of freeâ€standing ultrathin films of porous metalâ€organic frameworks by liquidâ€phase epitaxy and subsequent delamination. Physica Status Solidi - Rapid Research Letters, 2010, 4, 197-199.	1.2	33
1393	Electrochemical cleavage of azo linkage for site-selective immobilization and cell patterning. Chemical Communications, 2010, 46, 3863.	2.2	11
1394	Interfacial Behavior of Benzoic Acid and Phenylphosphonic Acid on Nanocrystalline TiO ₂ Surfaces. Chemistry - an Asian Journal, 2010, 5, 852-858.	1.7	16
1395	Electrochemistry of Conducting Polymers—Persistent Models and New Concepts. Chemical Reviews, 2010, 110, 4724-4771.	23.0	1,039
1396	Surface Patterning Using Self Assembled Monolayers (SAMs). ACS Symposium Series, 2010, , 65-107.	0.5	5
1397	Nature and Strength of Mâ^'S Bonds (M = Au, Ag, and Cu) in Binary Alloy Gold Clusters. Journal of Physical Chemistry A, 2010, 114, 9212-9221.	1.1	161
1398	Surface Attachment of Protein Fibrils via Covalent Modification Strategies. Journal of Physical Chemistry B, 2010, 114, 10925-10938.	1.2	42
1399	Dynamic control over cell adhesive properties using molecular-based surface engineering strategies. Chemical Society Reviews, 2010, 39, 354-378.	18.7	209

#	Article	IF	CITATIONS
1400	Self-Assembled Plasmonic Nanoparticle Clusters. Science, 2010, 328, 1135-1138.	6.0	1,362
1401	DNAâ€Functionalized Carbon Nanotubes: Synthesis, Selfâ€Assembly, and Applications. Israel Journal of Chemistry, 2010, 50, 277-290.	1.0	15
1402	Characterization of gold nanorods in vivo by integrated analytical techniques: their uptake, retention, and chemical forms. Analytical and Bioanalytical Chemistry, 2010, 396, 1105-1114.	1.9	108
1403	Protein immobilization at gold–thiol surfaces and potential for biosensing. Analytical and Bioanalytical Chemistry, 2010, 398, 1545-1564.	1.9	132
1404	Using aptamers to visualize and capture cancer cells. Analytical and Bioanalytical Chemistry, 2010, 397, 3225-3233.	1.9	44
1405	Self-assembled organic monolayers as high-resolution resists inÂrapid nonlinear processing with single femtosecond laser pulses. Applied Physics A: Materials Science and Processing, 2010, 101, 461-466.	1.1	6
1406	Electrochemical surface nanopatterning by selective reductive desorption from mixed metal surfaces. Electrochimica Acta, 2010, 55, 4309-4313.	2.6	2
1407	Potential-assisted deposition of mixed alkanethiol self-assembled monolayers. Electrochimica Acta, 2010, 55, 2712-2720.	2.6	33
1408	Theoretical studies of Pd metal deposition on the â^š3×â^š3 4-mercaptopyridine self-assembled monolayer. Electrochimica Acta, 2010, 55, 8258-8262.	2.6	8
1409	One step gold (bio)functionalisation based on CS2-amine reaction. Electrochimica Acta, 2010, 55, 8686-8695.	2.6	25
1410	Studies on the interactions between bovine β-lactoglobulin and chitosan at the solid–liquid interface. Electrochimica Acta, 2010, 55, 8779-8790.	2.6	21
1411	Thermal stability of thiol and silane monolayers: A comparative study. Applied Surface Science, 2010, 256, 2742-2749.	3.1	116
1412	Electrochemical probe for the monitoring of DNA–protein interactions. Biosensors and Bioelectronics, 2010, 25, 2598-2602.	5.3	25
1413	Coordination motifs in modern supramolecular chemistry. Coordination Chemistry Reviews, 2010, 254, 794-831.	9.5	117
1414	Permanent gold nanoparticle coatings on polyelectrolyte multilayer modified capillaries for open-tubular capillary electrochromatography. Journal of Chromatography A, 2010, 1217, 6588-6594.	1.8	49
1415	Nanoporous structures on ZnO thin films. Superlattices and Microstructures, 2010, 47, 182-186.	1.4	10
1416	In situ study of the deterioration of thiazole/gold and thiazole/silver interfaces during interfacial ion transport processes. Journal of Electroanalytical Chemistry, 2010, 643, 94-101.	1.9	11
1417	Combining electrochemistry and direct force measurements: from the control of surface properties towards applications. Colloid and Polymer Science, 2010, 288, 1201-1214.	1.0	11

#	Article	IF	CITATIONS
1418	Polypyrrole on self-assembled monolayers of a pyrrolyl lipoic acid derivative—electrosynthesis and polymer film characterization. Journal of Solid State Electrochemistry, 2010, 14, 1985-1995.	1.2	3
1419	Enhanced immobilization of hexa-arginine-tagged esterase on gold nanoparticles using mixed self-assembled monolayers. Bioprocess and Biosystems Engineering, 2010, 33, 165-169.	1.7	4
1420	Silicon Based Nanocoatings on Metal Alloys and Their Role in Surface Engineering. Silicon, 2010, 2, 117-151.	1.8	18
1421	Interface-directed sol-gel: direct fabrication of the covalently attached ultraflat inorganic oxide pattern on functionalized plastics. Science China Chemistry, 2010, 53, 173-182.	4.2	13
1422	Application of l-thiazolidine-4-carboxylic acid monolayer in electrochemical determination of copper(II). Science China Chemistry, 2010, 53, 257-262.	4.2	3
1423	Theoretical study on self-assembly in organic materials. Frontiers of Chemistry in China: Selected Publications From Chinese Universities, 2010, 5, 2-10.	0.4	0
1424	Magnetic biosensor technologies for medical applications: a review. Medical and Biological Engineering and Computing, 2010, 48, 977-998.	1.6	186
1425	Probing Specific Interaction Forces Between Human IgG and Rat Anti-Human IgG by Self-Assembled Monolayer and Atomic Force Microscopy. Nanoscale Research Letters, 2010, 5, 1032-1038.	3.1	18
1426	Size and purity of gold nanoparticles changes with different types of thiolate ligands. Journal of Thermal Analysis and Calorimetry, 2010, 100, 839-845.	2.0	3
1427	In vitro effects of silver nanoparticles on the mitochondrial respiratory chain. Molecular and Cellular Biochemistry, 2010, 342, 51-56.	1.4	110
1428	Synthesis and characterization of a fatty acid self-assembled monolayer on CeO2 nanoparticles: to explore solution-state property of a SAM. Journal of Nanoparticle Research, 2010, 12, 2567-2578.	0.8	17
1429	Preparation of surfactant-stabilized gold nanoparticle–peptide nucleic acid conjugates. Journal of Nanoparticle Research, 2010, 12, 2363-2369.	0.8	38
1430	Insights from Theory on the Relationship Between Surface Reactivity and Gold Atom Release. Topics in Catalysis, 2010, 53, 365-377.	1.3	15
1431	Gold nanoparticle platforms as drug and biomacromolecule delivery systems. Journal of Controlled Release, 2010, 148, 122-127.	4.8	405
1432	Metallization of Ultraâ€Thin, Nonâ€Thiol SAMs with Flat‣ying Molecular Units: Pd on 1, 4â€Dicyanobenzene. ChemPhysChem, 2010, 11, 2951-2956.	1.0	14
1433	Interfacial Systems Chemistry: Out of the Vacuum—Through the Liquid—Into the Cell. ChemPhysChem, 2010, 11, 3201-3213.	1.0	24
1434	Highâ€Resolution Surface Chemical Analysis of a Trifunctional Pattern Made by Sequential Colloidal Shadowing. ChemPhysChem, 2010, 11, 3609-3616.	1.0	11
1435	Bioactivity of immobilized EGF on selfâ€assembled monolayers: Optimization of the immobilization process. Journal of Biomedical Materials Research - Part A, 2010, 94A, 576-585.	2.1	14

ARTICLE IF CITATIONS # The stability of selfa€assembled monolayers with time and under biological conditions. Journal of 1436 2.1 16 Biomedical Materials Research - Part A, 2010, 94A, 833-843. QM/MM method for metalâ \in organic interfaces. Journal of Computational Chemistry, 2010, 31, 2955-2966. 1437 1.5 9 Synthesis, Electrochemical Behavior, and Self-Assembly of Metallocene-Functionalized Thiofluorenes. 1438 1.0 4 European Journal of Inorganic Chemistry, 2010, 2010, 3952-3960. Patterning Nanoparticles by Microcontact Printing and Further Growth of Oneâ€Dimensional 1439 1.0 Nanomaterials. European Journal of Inorganic Chemistry, 2010, 2010, 4357-4362. Synthesis of Functionalized Triazatriangulenes for Application in Photoâ€Switchable Selfâ€Assembled 1440 1.2 40 Monolayers. European Journal of Organic Chemistry, 2010, 2010, 5041-5055. Synthesis and Structural Analysis of Substituted Tripodâ€Shaped Tri―and Tetra(<i>p</i>â€phenylene)s. 1.2 European Journal of Organic Chemistry, 2010, 2010, 5672-5680. Adenosine Reagentless Electrochemical Aptasensor Using a Phosphorothioate Immobilization 1442 1.5 14 Strategy. Electroanalysis, 2010, 22, 147-150. Electrochemical Characterization of Gold 6â€Aminoâ€2â€mercaptobenzothiazole Selfâ€Assembled Monolayer 1443 1.5 37 for Dopamine Detection in Pharmaceutical Samples. Electroanalysis, 2010, 22, 969-977. Highly Sensitive Electrochemical Sensor for Nitric Oxide Using the Selfâ€Assembled Monolayer of 1444 1,8,15,22â€Tetraaminophthalocyanatocobalt(II) on Glassy Carbon Electrode. Electroanalysis, 2010, 22, 22 1.5 639-644. Covalent versus Electrostatic Strategies for Nanoparticle Immobilisation. Electroanalysis, 2010, 22, 1445 1.5 2940-2946. Surfaceâ€Confined Electropolymerization of Methylene Blue on Gold Electrodes. Electroanalysis, 2011, 1446 1.5 5 23, 777-783. Organic Ligands Made Porous: Magnetic and Catalytic Properties of Transition Metals Coordinated to the Surfaces of Mesoporous Organosilica. Advanced Functional Materials, 2010, 20, 1133-1143. Nearâ€Field Lithography by Twoâ€Photon Induced Photocleavage of Organic Monolayers. Advanced 1448 7.8 36 Functional Materials, 2010, 20, 4265-4272. Kineticsâ€Controlled Formation of Gold Clusters Using a Quasiâ€Biological System. Advanced Functional 1449 Materials, 2010, 20, 3673-3677 Gold Nanocages: A Novel Class of Multifunctional Nanomaterials for Theranostic Applications. 1450 7.8 216 Advanced Functional Materials, 2010, 20, 3684-3694. Preparation of Inorganic Materials Using Ionic Liquids. Advanced Materials, 2010, 22, 261-285. 1451 11.1 726 Evidence for Bandâ€Like Transport in Grapheneâ€Based Organic Monolayers. Advanced Materials, 2010, 22, 1452 11.1 41 384-388. Vertically Aligned Singleâ€Walled Carbon Nanotubes by Chemical Assembly – Methodology, Properties, 1453 11.1 84 and Applications. Advanced Materials, 2010, 22, 1430-1449.

#	Article	IF	Citations
1454	Modeling the Electronic Properties of Ï€â€Conjugated Selfâ€Assembled Monolayers. Advanced Materials, 2010, 22, 2494-2513.	11.1	126
1455	Conjugated Carbon Monolayer Membranes: Methods for Synthesis and Integration. Advanced Materials, 2010, 22, 1072-1077.	11.1	50
1456	Functional Nanostructured Plasmonic Materials. Advanced Materials, 2010, 22, 1102-1110.	11.1	109
1457	Dynamically Crosslinked Gold Nanoparticle – Hyaluronan Hydrogels. Advanced Materials, 2010, 22, 4736-4740.	11.1	204
1458	Remotely Triggerable Drug Delivery Systems. Advanced Materials, 2010, 22, 4925-4943.	11.1	553
1459	Bottomâ€Up Fabricated Asymmetric Electrodes for Organic Electronics. Advanced Materials, 2010, 22, 5018-5023.	11.1	27
1462	Surface Chemistry and Cell Biological Tools for the Analysis of Cell Adhesion and Migration. ChemBioChem, 2010, 11, 745-753.	1.3	33
1463	Ultrahydrophobe OberflÄ e hen durch gezieltes GrenzflÄ e hendesign. Chemie-Ingenieur-Technik, 2010, 82, 297-308.	0.4	3
1464	Nanoscale Biomolecular Structures on Selfâ€Assembled Monolayers Generated from Modular Pegylated Disulfides. Chemistry - A European Journal, 2010, 16, 12234-12243.	1.7	12
1465	Synthesis of Benzaldehydeâ€Functionalized Glycans: A Novel Approach Towards Glycoâ€6AMs as a Tool for Surface Plasmon Resonance Studies. Chemistry - A European Journal, 2010, 16, 7017-7029.	1.7	23
1466	Nanoparticles as Semiâ€Heterogeneous Catalyst Supports. Chemistry - A European Journal, 2010, 16, 8950-8967.	1.7	341
1467	Conductance Control in Stabilized Carotenoid Wires. Chemistry - A European Journal, 2010, 16, 7395-7399.	1.7	17
1468	The Effect of Ligand Denticity in Sizeâ€Selective Synthesis of Calix[<i>n</i>]areneâ€Stabilized Gold Nanoparticles: A Multitechnique Approach. Chemistry - A European Journal, 2010, 16, 11089-11099.	1.7	13
1469	Atomicâ€Level Elucidation of the Initial Stages of Selfâ€Assembled Monolayer Metallization and Nanoparticle Formation. Chemistry - A European Journal, 2010, 16, 12381-12386.	1.7	10
1477	Electron Hopping over 100â€Ã Along an αâ€Helix. Angewandte Chemie - International Edition, 2010, 49, 1800-1804.	7.2	98
1478	Largeâ€Area Nanocontact Printing with Metallic Nanostencil Masks. Angewandte Chemie - International Edition, 2010, 49, 3057-3060.	7.2	25
1479	Thinner, Smaller, Faster: IR Techniques To Probe the Functionality of Biological and Biomimetic Systems. Angewandte Chemie - International Edition, 2010, 49, 5416-5424.	7.2	96
1480	Coordinatively Immobilized Monolayers on Porous Coordination Polymer Crystals. Angewandte Chemie - International Edition, 2010, 49, 5327-5330.	7.2	133

ARTICLE IF CITATIONS Isophthalic Acid: A Basis for Highly Ordered Monolayers. Angewandte Chemie - International Edition, 1481 7.2 26 2010, 49, 6220-6223. Control over Rectification in Supramolecular Tunneling Junctions. Angewandte Chemie -1482 7.2 International Edition, 2010, 49, 10176-10180. Janus Nanomembranes: A Generic Platform for Chemistry in Two Dimensions. Angewandte Chemie -1483 7.2 83 International Edition, 2010, 49, 8493-8497. Nanoparticle Oscillations and Fronts. Angewandte Chemie - International Edition, 2010, 49, 8616-8619. 1484 120 Enzymeâ \in instructed selfa \in assembly of peptide derivatives to form nanofibers and hydrogels. Biopolymers, 1485 1.2 99 2010, 94, 19-31. Molecular biomimetics: GEPlâ€based biological routes to technology. Biopolymers, 2010, 94, 78-94. 1.2 Application of gold nanoparticles in separation sciences. Journal of Separation Science, 2010, 33, 1487 1.3 118 372-387. Inhibition of copper corrosion by modifying cysteine selfatessembled film with alkylamine/alkylacid 1488 0.8 compounds. Materials and Corrosion - Werkstoffe Und Korrosion, 2010, 61, 16-21. On the Monolayer Adsorption of Thiolâ€Terminated Dendritic Oligothiophenes onto Gold Surfaces. 1489 1.1 6 Macromolecular Chemistry and Physics, 2010, 211, 2562-2572. Gold Tailored Photosensitive Elastinâ€like Polymer: Synthesis of Temperature, pH and UVâ€vis Sensitive Probes. Macromolecular Rapid Communications, 2010, 31, 568-573. COOH-terminated SAMs on gold fabricated from an azobenzene derivative with a 1,2-dithiolane 1491 3.111 headgroup. Applied Surface Science, 2010, 256, 1832-1836. Optimization of surface coating condition using vapor form of alkanethiol on Cu nano powders for 3.1 the application of oxidation prevention. Applied Surface Science, 2010, 256, 2332-2336. Study on wetting properties of periodical nanopatterns by a combinative technique of 1493 3.1 58 photolithography and laser interference lithography. Applied Surface Science, 2010, 256, 3683-3687. Passivation of aluminum with alkyl phosphonic acids for biochip applications. Applied Surface Science, 1494 3.1 2010, 256, 7146-7150. The structural formation of methylthiolate SAMs on Au(111) for short deposition times from 1495 9 3.1solution. Applied Surface Science, 2010, 256, 7265-7269. Integrity of functional self-assembled monolayers on hydrogen-terminated silicon-on-insulator 1496 3.1 wafers. Applied Surface Science, 2010, 257, 1314-1318. Tunnel Diodes Fabricated For Rectenna Applications Using Self-Assembled Nanodielectrics. Procedia 1497 1.2 8 Engineering, 2010, 5, 1055-1058. Stimuli-responsive monolayers for biotechnology. Progress in Polymer Science, 2010, 35, 141-154. 11.8

#	Article	IF	CITATIONS
1499	Cathodic electrografting of acrylics: From fundamentals to functional coatings. Progress in Polymer Science, 2010, 35, 113-140.	11.8	55
1500	Gold adatom as a key structural component in self-assembled monolayers of organosulfur molecules on Au(111). Progress in Surface Science, 2010, 85, 206-240.	3.8	249
1501	Analysis of immunoreaction with localized surface plasmon resonance biosensor. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 75, 1163-1167.	2.0	8
1502	Fluorescently labeled 1 nm thin nanomembranes. Journal of Biotechnology, 2010, 149, 267-271.	1.9	9
1503	Gap-mode SERS studies of azobenzene-containing self-assembled monolayers on Au(111). Journal of Colloid and Interface Science, 2010, 341, 366-375.	5.0	31
1504	Breath figure lithography: A facile and versatile method for micropatterning. Journal of Colloid and Interface Science, 2010, 342, 192-197.	5.0	38
1505	Self-assembled monolayers of benzenethiol and benzenemethanethiol on Au(111): Influence of an alkyl spacer on the structure and thermal desorption behavior. Journal of Colloid and Interface Science, 2010, 342, 513-517.	5.0	46
1506	Fabrication of one-dimensional ZnO/4-Mpy/Ag assemblies and their spectroscopic studies. Journal of Colloid and Interface Science, 2010, 344, 251-255.	5.0	18
1507	Interface dynamics and mechanisms of nanoindented alkanethiol self-assembled monolayers using molecular simulations. Journal of Colloid and Interface Science, 2010, 345, 19-26.	5.0	12
1508	A copper(II) thiosemicarbazone complex built on gold for the immobilization of lipase and laccase. Journal of Colloid and Interface Science, 2010, 348, 96-100.	5.0	11
1509	Factors governing the reversible change in ionic permeability of a low-density monolayer. Journal of Electroanalytical Chemistry, 2010, 639, 50-58.	1.9	11
1510	Adsorption of adipic acid conjugates at the Au(1 1 1) electrode aqueous solution interface. Journal of Electroanalytical Chemistry, 2010, 649, 95-101.	1.9	4
1511	Electrochemistry and in situ fluorescence microscopy of octadecanol layers doped with a BODIPY-labeled phospholipid: Investigating an adsorbed heterogeneous layer. Journal of Electroanalytical Chemistry, 2010, 649, 126-135.	1.9	5
1512	Influence of the crystallographic orientation on the reductive desorption of self-assembled monolayers on gold electrodes. Journal of Electroanalytical Chemistry, 2010, 649, 164-170.	1.9	37
1513	A novel printing technique for highly integrated organic devices. Microelectronic Engineering, 2010, 87, 614-619.	1.1	4
1514	Formation and structural transition of molecular self-assembly on solid surface investigated by scanning tunneling microscopy. Materials Science and Engineering Reports, 2010, 70, 169-187.	14.8	29
1515	Oxidative addition of asparagusic acid based disulfides to Pt0. Journal of Organometallic Chemistry, 2010, 695, 626-629.	0.8	9
1516	Electrochemical characterization of BSA/11-mercaptoundecanoic acid on Au electrode. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 169, 55-61.	1.7	16

	C	CITATION REPORT	
#	Article	IF	CITATIONS
1517	Cage molecules for self-assembly. Materials Science and Engineering Reports, 2010, 70, 188-208.	14.8	66
1518	Stability of large-area molecular junctions. Organic Electronics, 2010, 11, 146-149.	1.4	44
1519	Gold nanoparticles capped with sulfate-ended ligands as anti-HIV agents. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 2718-2721.	1.0	135
1520	Thermal stability of diazonium derived and thiol-derived layers on gold for application in genosensors. Electrochemistry Communications, 2010, 12, 1045-1048.	2.3	54
1521	Unobstructed electron transfer on porous polyelectrolyte nanostructures and its characterization by electrochemical surface plasmon resonance. Electrochimica Acta, 2010, 55, 4468-4474.	2.6	7
1522	Selective formation of monodisperse CdSe nanoparticles on functionalized self-assembled monolayers using chemical bath deposition. Electrochimica Acta, 2010, 55, 8126-8134.	2.6	13
1523	One-pot synthesis of pH and temperature sensitive gold clusters mediated by a recombinant elastin-l polymer. European Polymer Journal, 2010, 46, 643-650.	ike 2.6	17
1524	Convenient supported recyclable material based on dihydrolipoyl-residue for the reduction of disulfide derivatives. Tetrahedron Letters, 2010, 51, 3309-3311.	0.7	7
1525	Structure of the interface between water and self-assembled monolayers of neutral, anionic and cationic alkane thiols. Computational and Theoretical Chemistry, 2010, 946, 83-87.	1.5	10
1526	A structural and corrosion study of triethoxysilyl and perfluorooctyl functionalized polyhedral silsesquioxane nanocomposite films on AA 2024 alloy. Thin Solid Films, 2010, 518, 2710-2721.	0.8	33
1527	MOS capacitor for simple thiol based biosensor applications. Thin Solid Films, 2010, 519, 982-986.	0.8	5
1528	Quartz crystal microbalance investigation of the structure of adsorbed soybean oil and methyl oleate onto steel surface. Thin Solid Films, 2010, 519, 900-905.	0.8	23
1529	Mass-change sensitivity of high-order mode of piezoelectric-excited millimeter-sized cantilever (PEMC sensors: Theory and experiments. Sensors and Actuators B: Chemical, 2010, 143, 731-739.	2) 4.0	34
1530	An amperometric sensor for l-cysteine based on nanostructured platform modified with 5,5′-dithiobis-2-nitrobenzoic acid (DTNB). Sensors and Actuators B: Chemical, 2010, 146, 213-220). 4.0	25
1531	Detection of adherent cells using electrochemical impedance spectroscopy based on molecular recognition of integrin β1. Sensors and Actuators B: Chemical, 2010, 149, 87-93.	4.0	12
1532	Rapid functionalization of metal nanoparticles by moderator-tunable ligand-exchange process for biosensor designs. Sensors and Actuators B: Chemical, 2010, 149, 373-380.	4.0	59
1533	Temperature-dependent infrared spectrum of (Bu4N)2[Ru(dcbpyH)2-(NCS)2] on nanocrystalline TiO surfaces. Solar Energy Materials and Solar Cells, 2010, 94, 857-864.	2 3.0	28
1534	A scanning tunnelling microscopy investigation of gold island formation from an octanethiol self-assembled monolayer on Au(111). Surface Science, 2010, 604, 165-170.	0.8	5

#	Article	IF	CITATIONS
1535	Structure and self-assembly of sequentially adsorbed coronene/octanethiol monolayers. Surface Science, 2010, 604, 1584-1590.	0.8	15
1536	Adsorption of the cysteine–tryptophan dipeptide at the Au(110)/liquid interface studied using reflection anisotropy spectroscopy. Surface Science, 2010, 604, 2170-2176.	0.8	8
1537	Two-dimensional ordering of pentafluorobenzenethiol self-assembled monolayers on Au(1 1 1) prepared by ambient-pressure vapor deposition. Ultramicroscopy, 2010, 110, 666-669.	0.8	5
1538	Fabrication of core-shell structured nanoparticle layer substrate for excitation of localized surface plasmon resonance and its optical response for DNA in aqueous conditions. Analytica Chimica Acta, 2010, 661, 200-205.	2.6	24
1539	Layer-by-layer assembled molecularly imprinted polymer modified silver electrode for enantioselective detection of d- and l-thyroxine. Analytica Chimica Acta, 2010, 681, 16-26.	2.6	31
1540	Out-of-plane stresses arising from grain interactions in textured thin films. Acta Materialia, 2010, 58, 2452-2463.	3.8	16
1541	Fabrication and electrochemistry study of multi-thiol coronary molecule monolayers. Applied Surface Science, 2010, 256, 1647-1651.	3.1	4
1542	Self-assembled bilayers based on organothiol and organotrimethoxysilane on zinc platform. Applied Surface Science, 2010, 256, 7131-7137.	3.1	14
1543	Self-assembled monolayers of flufenaminate anions on mild steel surface formed in aqueous solution. Applied Surface Science, 2010, 257, 1166-1174.	3.1	9
1544	Investigation of the oxidation of hydroquinone at the liquid/liquid interface. Chinese Chemical Letters, 2010, 21, 225-228.	4.8	1
1545	Electrochemistry of redox-active self-assembled monolayers. Coordination Chemistry Reviews, 2010, 254, 1769-1802.	9.5	489
1546	Synthesis of highly stable gold nanoparticles using conventional and geminal ionic liquids. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 362, 121-126.	2.3	50
1547	Impedance spectroscopy and zeta potential titration of dopa-melanin films produced by oxidation of dopamine. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 363, 92-97.	2.3	89
1548	Characterization of hybrid bilayer membranes on silver electrodes as biocompatible SERS substrates to study membrane–protein interactions. Colloids and Surfaces B: Biointerfaces, 2010, 81, 212-216.	2.5	25
1549	High-performance glucose amperometric biosensor based on magnetic polymeric bionanocomposites. Biosensors and Bioelectronics, 2010, 25, 1277-1282.	5.3	40
1550	Self-assembled monolayer as a pre-concentrating receptor for selective serotonin sensing. Biosensors and Bioelectronics, 2010, 26, 74-79.	5.3	31
1551	Noncovalent assembly of ferrocene on modified gold surfaces mediated by uracil–adenine base pairs. Electrochemistry Communications, 2010, 12, 831-834.	2.3	9
1552	Electroactive self-assembled monolayers: Laviron's interaction model extended to non-random distribution of redox centers. Electrochemistry Communications, 2010, 12, 1462-1466.	2.3	40

#	Article	IF	CITATIONS
1553	Passivation effects of 4,4′-thio-bis-benzenethiolate adsorbed layers on semiconducting electrodes. Electrochimica Acta, 2010, 55, 8293-8301.	2.6	5
1554	Surface modification of silver microparticles with 4-thioaniline. Electrochimica Acta, 2010, 55, 5154-5162.	2.6	7
1555	Potential control characteristics of short-chain thiols of thioctic acid and mercaptohexanol self-assembled on gold. Electrochimica Acta, 2010, 55, 6907-6916.	2.6	17
1556	High-resolution X-ray photoelectron spectroscopy in studies of self-assembled organic monolayers. Journal of Electron Spectroscopy and Related Phenomena, 2010, 178-179, 380-393.	0.8	131
1557	Is the transition from chemistry to biology a mystery?. Journal of Systems Chemistry, 2010, 1, .	1.7	5
1558	Selfâ€assembled Monolayers of Alkylphosphonic Acids on Aluminum Oxide Surfaces – A Theoretical Study. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2010, 636, 1506-1512.	0.6	38
1559	Chemical patterning in biointerface science. Materials Today, 2010, 13, 22-35.	8.3	75
1560	Dynamic actuation using nano-bio interfaces. Materials Today, 2010, 13, 14-22.	8.3	34
1561	Fabrication and Mechanical Properties of Largeâ€Scale Freestanding Nanoparticle Membranes. Small, 2010, 6, 1449-1456.	5.2	140
1562	Micro―and Nanopatterning of Functional Organic Monolayers on Oxideâ€Free Silicon by Laserâ€Induced Photothermal Desorption. Small, 2010, 6, 1918-1926.	5.2	16
1563	Amine species on selfâ€assembled monolayers of ωâ€aminothiolates on gold as identified by XPS and NEXAFS spectroscopy. Surface and Interface Analysis, 2010, 42, 1184-1187.	0.8	44
1564	Microcontact Printing onto Oxideâ€Free Silicon via Highly Reactive Acid Fluorideâ€Functionalized Monolayers. Small, 2010, 6, 642-650.	5.2	31
1565	A Supramolecular Network as Sacrificial Mask for the Generation of a Nanopatterned Binary Selfâ€Assembled Monolayer. Small, 2010, 6, 391-394.	5.2	37
1566	Atom probe tomography analysis of poly(3â€alkylthiophene)s. Journal of Microscopy, 2010, 237, 155-167.	0.8	41
1567	Quantum-chemical modeling of interaction between gold nanoclusters and thiols. Inorganic Materials, 2010, 46, 924-930.	0.2	14
1568	Controlled selectivity for palladium catalysts using self-assembled monolayers. Nature Materials, 2010, 9, 853-858.	13.3	358
1569	Selective catalysts for the hydrogen oxidation and oxygen reduction reactions by patterning of platinum with calix[4]arene molecules. Nature Materials, 2010, 9, 998-1003.	13.3	151
1570	â€~Soft' Au, Pt and Cu contacts for molecular junctions through surface-diffusion-mediated deposition. Nature Nanotechnology, 2010, 5, 612-617.	15.6	128

#	Article	IF	CITATIONS
1571	Efficient electronic coupling and improved stability with dithiocarbamate-based molecular junctions. Nature Nanotechnology, 2010, 5, 618-624.	15.6	105
1572	Soft lithography for micro- and nanoscale patterning. Nature Protocols, 2010, 5, 491-502.	5.5	1,904
1574	Sub-Wavelength Patterning of Self-Assembled Organic Monolayers via Nonlinear Processing with Femtosecond Laser Pulses. , 2010, , .		1
1575	Layer-by-Layer Method for the Synthesis and Growth of Surface Mounted Metal-Organic Frameworks (SURMOFs). Materials, 2010, 3, 1302-1315.	1.3	115
1576	Thioacetyl-Terminated Ferrocene-Anthraquinone Conjugates: Synthesis, Photo- and Electrochemical Properties Triggered by Protonation-Induced Intramolecular Electron Transfer. Molecules, 2010, 15, 150-163.	1.7	7
1577	Thermal stability of perfluorinated molecular monolayers immobilized on pulsed laser deposited amorphous carbon surfaces. IOP Conference Series: Materials Science and Engineering, 2010, 16, 012003.	0.3	2
1578	New Trends and Challenges in the Development of Microfabricated Probes for Recording and Stimulating of Excitable Cells. , 2010, , .		1
1579	Immobilized Redox Proteins: Mimicking Basic Features of Physiological Membranes and Interfaces. , 0, ,		0
1581	Fast Organic Conditioning of Patterned Surfaces for Capillary Part-to-Substrate Self-Assembly. Journal of Electronic Packaging, Transactions of the ASME, 2010, 132, .	1.2	2
1582	Effects of tip geometry on interfacial contact forces. Modelling and Simulation in Materials Science and Engineering, 2010, 18, 034002.	0.8	14
1583	Methods of reducing non-specific adsorption in microfluidic biosensors. Journal of Micromechanics and Microengineering, 2010, 20, 075015.	1.5	72
1584	Plasma Damage on the OTS Treated SiO[sub 2] Substrate in the Source/Drain Electrode Deposition Process. Journal of the Electrochemical Society, 2010, 157, H349.	1.3	6
1585	Efficient Two-Step Synthesis of 11,11′-Dithiobis[1-(2-bromo-2-methylpropionyloxy)undecane], a Conventional Initiator for Grafting Polymer Brushes from Gold Surfaces via ATRP. Synthetic Communications, 2010, 40, 3000-3007.	1.1	4
1586	Photothermally induced bromination and decomposition of alkylsiloxane monolayers on surface-oxidized silicon substrates. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2010, 28, 834-837.	0.9	5
1588	Phase diagram of self-assembled rigid rods on two-dimensional lattices: Theory and Monte Carlo simulations. Journal of Chemical Physics, 2010, 133, 134706.	1.2	25
1589	Photoemission core-level shifts reveal the thiolate-Au(111) interface. Physical Review B, 2010, 82, .	1.1	20
1590	Fabrication of metal patterns on freestanding graphenoid nanomembranes. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2010, 28, C6D5-C6D10.	0.6	16
1591	Detoxification of gold nanorods by conjugation with thiolated poly(ethylene glycol) and their assessment as SERS-active carriers of Raman tags. Nanotechnology, 2010, 21, 235601.	1.3	77

#	Article	IF	CITATIONS
1592	Expression of picogram sensitive bending modes in piezoelectric cantilever sensors with nonuniform electric fields generated by asymmetric electrodes. Review of Scientific Instruments, 2010, 81, 125108.	0.6	11
1593	A Novel Highly Integrated SPM System for Single Molecule Studies. IEEE Sensors Journal, 2010, 10, 485-491.	2.4	4
1594	Monolayer structure of a liquid crystalline perylene derivative on bare and on thiol-terminated Au(111) surfaces. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2010, 28, 1275-1278.	0.9	3
1596	Protein/Material Interfaces: Investigation on Model Surfaces. Journal of Adhesion Science and Technology, 2010, 24, 2141-2164.	1.4	14
1597	Peptides for specific intracellular delivery and targeting of nanoparticles: implications for developing nanoparticle-mediated drug delivery. Therapeutic Delivery, 2010, 1, 411-433.	1.2	87
1598	Interfacing Cell Surface Receptors to Hybrid Nanopatterned Surfaces: A Molecular Approach for Dissecting the Adhesion Machinery. Advances in Polymer Science, 2010, , 79-102.	0.4	1
1599	Self-Assembled Monolayers as Dynamic Model Substrates for Cell Biology. Advances in Polymer Science, 2010, , 103-134.	0.4	3
1600	Preparation of Azobenzenealkanethiols for Self-Assembled Monolayers with Photoswitchable Properties. Australian Journal of Chemistry, 2010, 63, 303.	0.5	10
1601	Surface Modification of Cobalt Chromium Alloy via Phosphonic Acid Organic Nanosized Thin Films. ECS Transactions, 2010, 33, 91-95.	0.3	2
1602	Long-term stability of self-assembled monolayers on 316L stainless steel. Biomedical Materials (Bristol), 2010, 5, 025008.	1.7	31
1603	Helium atom diffraction measurements of the surface structure and vibrational dynamics of CH3–Si(111) and CD3–Si(111) surfaces. Journal of Chemical Physics, 2010, 133, 104705.	1.2	29
1604	Copper to Copper Direct Bonding Assisted by Self-Assembled Monolayer. , 2010, , .		0
1605	Electrochemically programmed chemodosimeter on ultrathin platinum films. Chemical Communications, 2010, 46, 8448.	2.2	8
1606	Assessing and improving bonding in wet conditions. , 2010, , 547-573.		0
1607	Effect of Defects Buried in Pentacene/Alkanethiol Self-Assembled Monolayer/Au Film on Its Electronic Properties Visualized by Scanning Tunneling Microscopy/Spectroscopy. Japanese Journal of Applied Physics, 2010, 49, 08LB08.	0.8	3
1608	Attaching Thiolated Superconductor Grains on Gold Surfaces for Nanoelectronics Applications. Japanese Journal of Applied Physics, 2010, 49, 093102.	0.8	5
1609	Self-assembled growth of Au islands on a Mo(110) surface. Nanotechnology, 2010, 21, 335606.	1.3	10
1610	Assessment of a nanoparticle bridge platform for molecular electronics measurements. Nanotechnology, 2010, 21, 435204.	1.3	20

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#	Article	IF	CITATIONS
1611	Electrical switching behavior from ultrathin potential barrier of self-assembly molecules tuned by interfacial charge trapping. Applied Physics Letters, 2010, 96, .	1.5	15
1612	Sub-wavelength patterning of organic monolayers via nonlinear processing with continuous-wave lasers. New Journal of Physics, 2010, 12, 125017.	1.2	17
1613	Alkanethiol Self-Assembled Monolayers Formed on Silicon Substrates. Japanese Journal of Applied Physics, 2010, 49, 01AE09.	0.8	12
1614	A density functional study of the adsorption of methane-thiol on the (111) surfaces of the Ni-group metals: I. Molecular and dissociative adsorption. Journal of Physics Condensed Matter, 2010, 22, 265005.	0.7	19
1615	Ferrocene and Maleimide-Functionalized Disulfide Scaffolds for Self-Assembled Monolayers on Gold. Organic Letters, 2010, 12, 3372-3375.	2.4	16
1616	Inkless Microcontact Printing on SAMs of Boc- and TBS-Protected Thiols. Nano Letters, 2010, 10, 43-46.	4.5	24
1617	Selective sensing of volatile organic compounds using novel conducting polymer–metal nanoparticle hybrids. Nanotechnology, 2010, 21, 125503.	1.3	57
1618	Molecular Recognition at the Exterior Surface of a Zwitterionic Telomer Brush. Langmuir, 2010, 26, 6767-6774.	1.6	65
1619	Formation and Stability of Alkylthiol Monolayers on Carbon Substrates. Journal of Physical Chemistry C, 2010, 114, 12635-12641.	1.5	13
1620	Highly Sensitive Gold Nanoparticle-Based Colorimetric Sensing of Mercury(II) through Simple Ligand Exchange Reaction in Aqueous Media. ACS Applied Materials & Interfaces, 2010, 2, 292-295.	4.0	116
1621	Glyconanoparticles. Advances in Carbohydrate Chemistry and Biochemistry, 2010, 64, 211-290.	0.4	88
1622	Conductive Nano-Inks. , 2010, , 303-360.		4
1623	Ultrasonic Synthesis of Gold Nanoparticles and Its Use in Immunochromatographic Assay for Detection of Kanamycin. Analytical Letters, 2010, 43, 867-875.	1.0	2
1624	Fabricating Chemical Gradients on Oxide Surfaces by Means of Fluorinated, Catechol-Based, Self-Assembled Monolayers. Langmuir, 2010, 26, 16211-16220.	1.6	84
1625	Characterization of Streptavidin Binding to Biotinylated, Binary Self-Assembled Thiol Monolayers—Influence of Component Ratio and Solvent. Langmuir, 2010, 26, 6386-6393.	1.6	32
1626	Characterization of Alkanethiol Self-Assembled Monolayers on Gold by Thermal Desorption Spectroscopy. Langmuir, 2010, 26, 9659-9665.	1.6	50
1627	A DFT exploration of the organization of thiols on Au(111): a route to self-assembled monolayer of magnetic molecules. Journal of Materials Chemistry, 2010, 20, 10747.	6.7	24
1628	Fluorescence correlation spectroscopy reveals strong fluorescence quenching of FITC adducts on PEGylated gold nanoparticles in water and the presence of fluorescent aggregates of desorbed thiolate ligands. Physical Chemistry Chemical Physics, 2010, 12, 11004.	1.3	30

#	Article	IF	CITATIONS
1629	Tuning Electrochemical Rectification via Quantum Dot Assemblies. Journal of the American Chemical Society, 2010, 132, 16855-16861.	6.6	40
1630	Generation of surface-confined catechol terminated SAMs via electrochemically triggered Michael addition: characterization, electrochemistry and complex with Ni(ii) and Cu(ii) cations. Physical Chemistry Chemical Physics, 2010, 12, 13287.	1.3	7
1631	Theoretical Characterization of Cyclic Thiolated Copper, Silver, and Gold Clusters. Journal of Physical Chemistry C, 2010, 114, 13571-13576.	1.5	51
1632	Nanopatterned Surfaces for Bio-Detection. Analytical Letters, 2010, 43, 1556-1571.	1.0	11
1633	Stability of Phosphonic Acid Self-Assembled Monolayers on Amorphous and Single-Crystalline Aluminum Oxide Surfaces in Aqueous Solution. Langmuir, 2010, 26, 156-164.	1.6	130
1634	Cation mediated self-assembly of inorganic cluster anion building blocks. Dalton Transactions, 2010, 39, 6143.	1.6	48
1635	Liesegang Rings Engineered from Charged Nanoparticles. Journal of the American Chemical Society, 2010, 132, 58-60.	6.6	78
1636	Initial Spreading Kinetics of High-Viscosity Droplets on Anisotropic Surfaces. Langmuir, 2010, 26, 6328-6334.	1.6	37
1637	Biomimetic supported membranes from amphiphilic block copolymers. Soft Matter, 2010, 6, 179-186.	1.2	61
1638	Thiol with an Unusual Adsorptionâ~'Desorption Behavior: 6-Mercaptopurine on Au(111). Langmuir, 2010, 26, 17068-17074.	1.6	34
1639	Biomineralization-Assisted Ultrasensitive Detection of DNA. Journal of the American Chemical Society, 2010, 132, 6932-6934.	6.6	35
1640	Self-Assembly of Organic Monolayers as Protective and Conductive Bridges for Nanometric Surface-Mount Applications. ACS Applied Materials & Interfaces, 2010, 2, 2585-2593.	4.0	4
1641	Metallic nanoparticles: technology overview & drug delivery applications in oncology. Expert Opinion on Drug Delivery, 2010, 7, 927-942.	2.4	179
1642	Fast and Forceful Refolding of Stretched α-Helical Solenoid Proteins. Biophysical Journal, 2010, 98, 3086-3092.	0.2	49
1643	A facile route for the preparation of azide-terminated polymers. "Clicking―polyelectrolyte brushes on planar surfaces and nanochannels. Polymer Chemistry, 2010, 1, 183-192.	1.9	59
1644	Chemically Directed Immobilization of Nanoparticles onto Gold Substrates for Orthogonal Assembly Using Dithiocarbamate Bond Formation. ACS Applied Materials & Interfaces, 2010, 2, 795-799.	4.0	28
1645	Oxidant-induced dopamine polymerization for multifunctional coatings. Polymer Chemistry, 2010, 1, 1430.	1.9	644
1646	Dendrimers Designed for Functions: From Physical, Photophysical, and Supramolecular Properties to Applications in Sensing, Catalysis, Molecular Electronics, Photonics, and Nanomedicine. Chemical Reviews, 2010, 110, 1857-1959.	23.0	1,697

	CITATION	ILF OK I	
#	Article	IF	Citations
1647	Charge transport through molecular switches. Journal of Physics Condensed Matter, 2010, 22, 133001.	0.7	250
1648	Protein resistant oligo(ethylene glycol) terminated self-assembled monolayers of thiols on gold by vapor deposition in vacuum. Biointerphases, 2010, 5, 30-36.	0.6	16
1649	AuS and SH Bond Formation/Breaking during the Formation of Alkanethiol SAMs on Au(111): A Theoretical Study. Journal of Physical Chemistry C, 2010, 114, 9444-9452.	1.5	89
1650	Temperature-Dependent Emission of Monolayer-Protected Au ₃₈ Clusters. Journal of Physical Chemistry C, 2010, 114, 16025-16028.	1.5	38
1651	Monitoring Self-Sorting by Electrospray Ionization Mass Spectrometry: Formation Intermediates and Error-Correction during the Self-Assembly of Multiply Threaded Pseudorotaxanes. Journal of the American Chemical Society, 2010, 132, 2309-2320.	6.6	197
1652	Self-Assembled Monolayers of Aromatic ω-Aminothiols on Gold: Surface Chemistry and Reactivity. Langmuir, 2010, 26, 3949-3954.	1.6	17
1653	Electron Beam-Induced Damage of Alkanethiolate Self-Assembled Monolayers Adsorbed on GaAs (001): A Static SIMS Investigation. Journal of Physical Chemistry C, 2010, 114, 5400-5409.	1.5	20
1654	Metallophosphazene Precursor Routes to the Solid-State Deposition of Metallic and Dielectric Microstructures and Nanostructures on Si and SiO2. Langmuir, 2010, 26, 10223-10233.	1.6	19
1655	Applying AFM-Based Nanofabrication for Measuring the Thickness of Nanopatterns: The Role of Head Groups in the Vertical Self-Assembly of ω-Functionalized <i>n</i> -Alkanethiols. Langmuir, 2010, 26, 3040-3049.	1.6	19
1656	Nanometer-Sized Domains in Langmuirâ^'Blodgett Films for Patterning SiO ₂ . Langmuir, 2010, 26, 6161-6163.	1.6	11
1657	Formation of 1,8-Octanedithiol Mono- and Bilayers under Electrochemical Control. Journal of Physical Chemistry C, 2010, 114, 3568-3574.	1.5	25
1658	Interaction and Dimerization Energies in Methyl-Blocked α,γ-Peptide Nanotube Segments. Journal of Physical Chemistry B, 2010, 114, 4973-4983.	1.2	32
1659	Photopolymerization of Self-Assembled Monolayers of Diacetylenic Alkylphosphonic Acids on Group-III Nitride Substrates. Langmuir, 2010, 26, 10725-10730.	1.6	17
1660	Electrocatalysis at Modified Microelectrodes: A Theoretical Approach to Cyclic Voltammetry. Journal of Physical Chemistry C, 2010, 114, 14542-14551.	1.5	11
1661	Bistability and Hysteresis During Aggregation of Charged Nanoparticles. Journal of Physical Chemistry Letters, 2010, 1, 1459-1462.	2.1	38
1662	Nanosieving of Anions and Cavity-Size-Dependent Association of Cyclodextrins on a 1-Adamantanethiol Self-Assembled Monolayer. ACS Nano, 2010, 4, 3949-3958.	7.3	17
1663	Methylene Blue Incorporation into Alkanethiol SAMs on Au(111): Effect of Hydrocarbon Chain Ordering. Langmuir, 2010, 26, 8226-8232.	1.6	41
1664	An Analysis of Conductive-Probe Atomic Force Microscopy Applied to the Study of Electron Transport Mediating Properties of Self-Assembled Monolayers. Journal of Physical Chemistry C, 2010, 114, 10836-10842.	1.5	6

#	Article	IF	CITATIONS
1665	Comparison of Chemical Lithography Using Alkanethiolate Self-Assembled Monolayers on GaAs (001) and Au. Langmuir, 2010, 26, 4523-4528.	1.6	14
1666	Combined Role of Well-Dispersed Aqueous Ag Ink and the Molecular Adhesive Layer in Inkjet Printing the Narrow and Highly Conductive Ag Features on a Glass Substrate. Journal of Physical Chemistry C, 2010, 114, 22277-22283.	1.5	70
1667	Reaction Mechanism, Bonding, and Thermal Stability of 1-Alkanethiols Self-Assembled on Halogenated Ge Surfaces. Langmuir, 2010, 26, 8419-8429.	1.6	22
1668	Reactive forcefield for simulating gold surfaces and nanoparticles. Physical Review B, 2010, 81, .	1.1	64
1669	Resolving the Au-Adatom-Alkanethiolate Bonding Site on Au(111) with Domain Boundary Imaging Using High-Resolution Scanning Tunneling Microscopy. Journal of the American Chemical Society, 2010, 132, 13059-13063.	6.6	46
1670	Subsecond Self-Assembled Monolayer Formation. Journal of Physical Chemistry C, 2010, 114, 19373-19377.	1.5	3
1671	Combined Atomic Force Microscopy and Modeling Study of The Evolution of Octadecylamine Films on a Mica Surface. Journal of Physical Chemistry C, 2010, 114, 3549-3559.	1.5	6
1672	Ratiometric Surface Enhanced Raman Quantification of Ligand Adsorption onto a Gold Nanoparticle. Analytical Chemistry, 2010, 82, 5910-5914.	3.2	49
1673	Engineering of Linear Molecular Nanostructures by a Hydrogen-Bond-Mediated Modular and Flexible Hostâ ''Guest Assembly. ACS Nano, 2010, 4, 5685-5692.	7.3	55
1674	X-ray Photoelectron Spectroscopy Analysis of Gold Surfaces after Removal of Thiolated DNA Oligomers by Ultraviolet/Ozone Treatment. Langmuir, 2010, 26, 6508-6514.	1.6	17
1675	Thiolate Induced Reconstruction of Au(111) and Cu(111) Investigated by Density Functional Theory Calculations. Journal of Physical Chemistry C, 2010, 114, 15973-15978.	1.5	38
1676	Designed Surface with Tunable IgG Density as an in Vitro Model for Immune Complex Mediated Stimulation of Leukocytes. Langmuir, 2010, 26, 3493-3497.	1.6	2
1677	A General Approach Combining Diazonium Salts and Click Chemistries for Gold Surface Functionalization by Nanoparticle Assemblies. Langmuir, 2010, 26, 3975-3980.	1.6	61
1678	The Electronic Structure of Mixed Self-Assembled Monolayers. ACS Nano, 2010, 4, 6735-6746.	7.3	43
1679	Noise Characteristics of Charge Tunneling via Localized States in Metalâ^'Moleculeâ^'Metal Junctions. ACS Nano, 2010, 4, 4426-4430.	7.3	42
1680	Synthesis and Immobilization of AgO Nanoparticles on Diazonium Modified Electrodes: SECM and Cyclic Voltammetry Studies of the Modified Interfaces. Langmuir, 2010, 26, 7638-7643.	1.6	29
1681	Surface-Enhanced Raman and Resonant Rayleigh Scatterings From Adsorbate Saturated Nanoparticles. Journal of Physical Chemistry C, 2010, 114, 7356-7363.	1.5	40
1682	Formation and Superlattice of Long-Range-Ordered Self-Assembled Monolayers of Pentafluorobenzenethiols on Au(111). Langmuir, 2010, 26, 2983-2985.	1.6	47

	CITATION	N REPORT	
#	Article	IF	CITATIONS
1683	Surface "Click―Chemistry on Brominated Plasma Polymer Thin Films. Langmuir, 2010, 26, 3388-3393.	1.6	48
1684	Mixed Self-Assembled Layers of Phosphonic Acids. Langmuir, 2010, 26, 648-654.	1.6	12
1685	Self-Assembly of (<i>S</i>)-Glutamic Acid on Ag(100): A Combined LT-STM and Ab Initio Investigation. Langmuir, 2010, 26, 7208-7215.	1.6	29
1686	Molecular Self-Assembly at Bare Semiconductor Surfaces: Cooperative Substrateâ^Molecule Effects in Octadecanethiolate Monolayer Assemblies on GaAs(111), (110), and (100). ACS Nano, 2010, 4, 3447-3465.	7.3	55
1687	Electrochemical and Morphological Characterization of New Architectures Containing Self-Assembled Monolayers and Au-NPs. Journal of Physical Chemistry C, 2010, 114, 7710-7716.	1.5	12
1688	Electrochemically Assisted Self-Assembly of Alkylthiosulfates and Alkanethiols on Gold: The Role of Gold Oxide Formation and Corrosion. Langmuir, 2010, 26, 269-276.	1.6	14
1689	Tailored Electroactive and Quantitative Ligand Density Microarrays Applied to Stem Cell Differentiation. Journal of the American Chemical Society, 2010, 132, 2614-2621.	6.6	53
1690	Mechanism of Rectification in Tunneling Junctions Based on Molecules with Asymmetric Potential Drops. Journal of the American Chemical Society, 2010, 132, 18386-18401.	6.6	205
1691	Charge Transport and Rectification in Arrays of SAM-Based Tunneling Junctions. Nano Letters, 2010, 10, 3611-3619.	4.5	213
1692	Thermal Stability of Mono-, Bis-, and Tris-Chelating Alkanethiol Films Assembled on Gold Nanoparticles and Evaporated "Flat―Gold. Langmuir, 2010, 26, 41-46.	1.6	40
1693	Orthogonal, Three-Component, Alkanethiol-Based Surface-Chemical Gradients on Gold. Langmuir, 2010, 26, 8392-8399.	1.6	17
1694	Controlled Deposition of Highly Oriented Type I Collagen Mimicking <i>In Vivo</i> Collagen Structures. Langmuir, 2010, 26, 12165-12172.	1.6	31
1695	Simultaneously Understanding the Geometric and Electronic Structure of Anthraceneselenolate on Au(111): A Combined Theoretical and Experimental Study. Journal of Physical Chemistry C, 2010, 114, 2677-2684.	1.5	34
1696	Solvent-Dependent Stability of Monolayer-Protected Au38 Clusters. Journal of Physical Chemistry Letters, 2010, 1, 32-37.	2.1	41
1697	Solvent Effects on Molecular Packing and Tribological Properties of Octadecyltrichlorosilane Films on Silicon. Langmuir, 2010, 26, 8256-8261.	1.6	36
1698	Molecular Friction as a Tool to Identify Functionalized Alkanethiols. Langmuir, 2010, 26, 6357-6366.	1.6	27
1699	Multilevel Self-Aligned Microcontact Printing System. Langmuir, 2010, 26, 16163-16170.	1.6	8
1700	Self-Assembled Supramolecular Array of Polymeric Phthalocyanine on Gold for the Determination of Hydrogen Peroxide. Langmuir, 2010, 26, 17665-17673.	1.6	41

#	Article	IF	CITATIONS
1701	Preparation of Covalent Long-Chain Trialkylstannyl and Trialkylsilyl Salts and an Examination of their Adsorption on Gold. Langmuir, 2010, 26, 8483-8490.	1.6	23
1702	Structural Manipulation of Hydrogen-Bonding Networks in Amide-Containing Alkanethiolate Monolayers via Electrochemical Processing. Journal of Physical Chemistry C, 2010, 114, 19744-19751.	1.5	25
1703	Building Robust and Reliable Molecular Constructs: Patterning, Metallic Contacts, and Layer-by-Layer Assembly. Langmuir, 2010, 26, 13778-13785.	1.6	23
1704	Building Upon Patterned Organic Monolayers Produced via Catalytic Stamp Lithography. ACS Applied Materials & Interfaces, 2010, 2, 2301-2307.	4.0	14
1705	Adsorption, Assembly, and Dynamics of Dibutyl Sulfide on Au{111}. Journal of Physical Chemistry C, 2010, 114, 14583-14589.	1.5	36
1706	Atom Probe Microscopy of Self-Assembled Monolayers: Preliminary Results. Langmuir, 2010, 26, 5291-5294.	1.6	28
1707	Charge Transfer Time in Alkanethiolate Self-Assembled Monolayers via Resonant Auger Electron Spectroscopy. Journal of Physical Chemistry C, 2010, 114, 13766-13773.	1.5	42
1708	Monolayer Orientation of ω-Substituted Amide-Bridged Alkanethiols on Gold. Journal of Physical Chemistry C, 2010, 114, 1253-1259.	1.5	8
1709	Wedging Transfer of Nanostructures. Nano Letters, 2010, 10, 1912-1916.	4.5	190
1710	Synthesis, Electronic Properties, and Self-Assembly on Au{111} of Thiolated Phenylethynyl Phenothiazines. Chemistry of Materials, 2010, 22, 52-63.	3.2	20
1711	Synthesis of an Achiral Isomer of Lipoic Acid As an Anchor Group for SAM Formation on Gold Surfaces. Journal of Organic Chemistry, 2010, 75, 2395-2398.	1.7	8
1712	Controlled and Efficient Hybridization Achieved with DNA Probes Immobilized Solely through Preferential DNA-Substrate Interactions. Analytical Chemistry, 2010, 82, 2803-2810.	3.2	101
1713	Surface Functionalization of Copper via Oxidative Graft Polymerization of 2,2′-Bithiophene and Immobilization of Silver Nanoparticles for Combating Biocorrosion. ACS Applied Materials & Interfaces, 2010, 2, 1653-1662.	4.0	29
1714	Sonication-Assisted Synthesis of Large, High-Quality Mercury Thiolate Single Crystals Directly from Liquid Mercury. Journal of the American Chemical Society, 2010, 132, 14355-14357.	6.6	26
1715	MALDI Mass Analysis of 11 kDa Gold Clusters Protected by Octadecanethiolate Ligands. Journal of Physical Chemistry C, 2010, 114, 16004-16009.	1.5	73
1716	Tailoring Density and Optical and Thermal Behavior of Gold Surfaces and Nanoparticles Exploiting Aromatic Dithiols. Langmuir, 2010, 26, 8430-8440.	1.6	41
1717	Role of Solvent Selectivity in the Equilibrium Surface Composition of Monolayers Formed from a Solution Containing Mixtures of Organic Thiols. Langmuir, 2010, 26, 11991-11997.	1.6	9
1718	Surface-Specific Interaction of the Extracellular Domain of Protein L1 with Nitrilotriacetic Acid-Terminated Self-Assembled Monolayers. Langmuir, 2010, 26, 1051-1056.	1.6	11

#	Article	IF	CITATIONS
1719	Biphenylnitrile-Based Self-Assembled Monolayers on Au(111): Spectroscopic Characterization and Resonant Excitation of the Nitrile Tail Group. Journal of Physical Chemistry C, 2010, 114, 12719-12727.	1.5	30
1720	High-Band-Gap Polycrystalline Monolayers of a 12-Vertex <i>p</i> -Carborane on Au(111). Journal of Physical Chemistry Letters, 2010, 1, 3471-3477.	2.1	22
1721	Dielectric Surface-Controlled Low-Voltage Organic Transistors via <i>n</i> -Alkyl Phosphonic Acid Self-Assembled Monolayers on High- <i>k</i> Metal Oxide. ACS Applied Materials & Interfaces, 2010, 2, 511-520.	4.0	103
1722	Synthesis and Properties of Functionalized Oligo(arylene) Molecular Wires with Thiolated Termini: Competing Thiol-Au and Nitro-Au Assembly. Journal of Organic Chemistry, 2010, 75, 130-136.	1.7	17
1723	Understanding the Redox-Induced Polymer Grafting Process: A Dual Surface-Solution Analysis. Chemistry of Materials, 2010, 22, 6229-6239.	3.2	48
1724	Self-Assembled Monolayers as Templates for Heme Crystallization. Crystal Growth and Design, 2010, 10, 798-805.	1.4	19
1725	Conical Pentaaryl[60]fullerene Thiols: Self-Assembled Monolayers on Gold and Photocurrent Generating Property. Journal of Physical Chemistry C, 2010, 114, 17741-17752.	1.5	12
1726	Bromine-Passivated Au(111) as a Platform for the Formation of Organic Self-Assembled Monolayers under Electrochemical Conditions. Langmuir, 2010, 26, 7133-7137.	1.6	10
1727	Adsorption of Long-Chain Alkanethiols on Au(111): A Look from the Substrate by High Resolution X-ray Photoelectron Spectroscopy. Journal of Physical Chemistry C, 2010, 114, 7112-7119.	1.5	62
1728	3D Gold Nanocrystal Arrays: A Framework for Reversible Lithium Storage. Journal of Physical Chemistry C, 2010, 114, 2360-2364.	1.5	5
1729	Reversible Photoswitching of Azobenzene-Based Monolayers Physisorbed on a Mica Surface. Langmuir, 2010, 26, 943-949.	1.6	25
1730	Terminal Alkynes as an Ink or Background SAM in Replacement Lithography: Adventitious versus Directed Replacement. Langmuir, 2010, 26, 15027-15034.	1.6	8
1731	Interfacial Electrochemical Electron Transfer Processes in Bacterial Biofilm Environments on Au(111). Langmuir, 2010, 26, 9094-9103.	1.6	13
1732	Adsorption Site Determination for Au-Octanethiolate on Au(111). Langmuir, 2010, 26, 9484-9490.	1.6	34
1733	Molecular Dynamics Study of Naturally Occurring Defects in Self-Assembled Monolayer Formation. ACS Nano, 2010, 4, 921-932.	7.3	37
1734	Photothermal Micro- and Nanopatterning of Organic/Silicon Interfaces. Langmuir, 2010, 26, 6826-6831.	1.6	22
1735	Nanoscale Quantitative Measurement of the Potential of Charged Nanostructures by Electrostatic and Kelvin Probe Force Microscopy: Unraveling Electronic Processes in Complex Materials. Accounts of Chemical Research, 2010, 43, 541-550.	7.6	167
1736	Mapping hydrophobicity at the nanoscale: Applications to heterogeneous surfaces and proteins. Faraday Discussions, 2010, 146, 353.	1.6	191

#	Article	IF	CITATIONS
1737	Selective Detection of As(III) at the Au(111)-like Polycrystalline Gold Electrode. Analytical Chemistry, 2010, 82, 9169-9176.	3.2	97
1738	Self-assembled monolayers of thiols and dithiols on gold: new challenges for a well-known system. Chemical Society Reviews, 2010, 39, 1805.	18.7	1,200
1739	Oriented growth of the functionalized metal–organic framework CAU-1 on –OH- and –COOH-terminated self-assembled monolayers. Physical Chemistry Chemical Physics, 2010, 12, 4515.	1.3	50
1740	Peptide Foldamers: From Spectroscopic Studies to Applications. Reviews in Fluorescence, 2010, , 405-424.	0.5	0
1741	Molecular Modeling of Phenothiazine Derivatives: Self-Assembling Properties. Journal of Physical Chemistry A, 2010, 114, 12479-12489.	1.1	16
1742	Formation of Multilayer Ultrathin Assemblies Using Chemical Lithography. Langmuir, 2010, 26, 8441-8449.	1.6	12
1743	Adjustment of the bioresistivity by electron irradiation: self-assembled monolayers of oligo(ethyleneglycol)-terminated alkanethiols with embedded cleavable group. Physical Chemistry Chemical Physics, 2010, 12, 507-515.	1.3	18
1744	Inorganic nanoparticle-based contrast agents for molecular imaging. Trends in Molecular Medicine, 2010, 16, 561-573.	3.5	221
1745	Imaging recognition events between human IgG and rat anti-human IgG by atomic force microscopy. International Journal of Biological Macromolecules, 2010, 47, 661-667.	3.6	31
1746	Templating membrane assembly, structure, and dynamics using engineered interfaces. Biochimica Et Biophysica Acta - Biomembranes, 2010, 1798, 839-850.	1.4	26
1747	Hotspot-Induced Transformation of Surface-Enhanced Raman Scattering Fingerprints. ACS Nano, 2010, 4, 3087-3094.	7.3	203
1748	Self-Limiting Robust Surface-Grafted Organic Nanofilms. Chemistry of Materials, 2010, 22, 2248-2254.	3.2	2
1749	Self-Assembled 1-Octadecanethiol Monolayers on Graphene for Mercury Detection. Nano Letters, 2010, 10, 4738-4741.	4.5	164
1750	Active and responsive polymer surfaces. Chemical Society Reviews, 2010, 39, 676-693.	18.7	78
1751	On the application potential of gold nanoparticles in nanoelectronics and biomedicine. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2010, 368, 1405-1453.	1.6	230
1752	Polymeric self-assembled monolayers derived from surface-active copolymers: a modular approach to functionalized surfaces. Chemical Society Reviews, 2010, 39, 2935.	18.7	45
1753	Rational design of a highly selective and sensitive fluorescent PET probe for discrimination of thiophenols and aliphatic thiols. Chemical Communications, 2010, 46, 1944-1946.	2.2	129
1754	Scalable Routes to Janus Auâ^'SiO ₂ and Ternary Agâ^'Auâ^'SiO ₂ Nanoparticles. Chemistry of Materials, 2010, 22, 3826-3828.	3.2	168

		CITATION REPORT	
#	Article	IF	CITATIONS
1755	Electron-plasmon interactions in resonant molecular tunnel junctions. Physical Review B, 2010, 81,	. 1.1	2
1756	Interfacial Design of Anisotropic Conductive Adhesive Based Interconnects Using Molecular Wires and Understanding of Their Electrical Conduction. IEEE Transactions on Advanced Packaging, 2010 892-898.), 33, 1.7	2
1757	Controlled Release of Biologically Active Silver from Nanosilver Surfaces. ACS Nano, 2010, 4, 6903-6913.	7.3	938
1758	Alkyl Chains of Surface Ligands Affect Polytypism of CdSe Nanocrystals and Play an Important Role the Synthesis of Anisotropic Nanoheterostructures. Journal of the American Chemical Society, 2010 132, 15866-15868.		113
1759	Development of an electroactive layer-by-layer assembly based on host–guest supramolecular interactions. Journal of Electroanalytical Chemistry, 2010, 639, 36-42.	1.9	5
1760	Nanomaterial-assisted laser desorption ionization for mass spectrometry-based biomedical analysis Nanomedicine, 2010, 5, 1641-1652.	i. 1.7	23
1761	Targeting gold nanocages to cancer cells for photothermal destruction and drug delivery. Expert Opinion on Drug Delivery, 2010, 7, 577-587.	2.4	163
1762	Decomposition of Methylthiolate Monolayers on Au(111) Prepared from Dimethyl Disulfide in Solu Phase. Journal of Physical Chemistry C, 2010, 114, 10183-10194.	tion 1.5	38
1764	Probing the Orientation and Conformation of α-Helix and β-Strand Model Peptides on Self-Assemb Monolayers Using Sum Frequency Generation and NEXAFS Spectroscopy. Langmuir, 2010, 26, 343	bled 1.6	124
1765	Au(111)-Based Nanotemplates by Gd Alloying. ACS Nano, 2010, 4, 1603-1611.	7.3	50
1766	Loops versus Stems: Benzylic Sulfide Oligomers Forming Carpet Type Monolayers. Journal of Physic Chemistry C, 2010, 114, 4118-4125.	cal 1.5	9
1767	Guest Controlled Assembly of Gold Nanoparticles Coated with Calix[4]arene Hosts. Journal of Physical Chemistry C, 2010, 114, 13601-13607.	1.5	30
1768	A photoswitchable methylene-spaced fluorinated aryl azobenzene monolayer grafted on silicon. Chemical Communications, 2010, 46, 5232.	2.2	27
1769	Fundamental Calculations on the Surface Area Determination of Supported Gold Nanoparticles by Alkanethiol Adsorption. Langmuir, 2010, 26, 6783-6789.	1.6	33
1770	Formation of Ultrasmooth and Highly Stable Copper Surfaces through Annealing and Self-Assembly Organic Monolayers. Langmuir, 2010, 26, 191-201.	y of 1.6	21
1771	Effect of self assembled monolayer on the energy structure of pentacene and Ru/Ti semiconductor–metal contact measured with in situ ultraviolet photoemission spectroscopy. Journal of Materials Chemistry, 2010, 20, 9754.	6.7	13
1772	Molecular orientation of discotic molecules controlled using self-assembled monolayer films. , 2010 , .),	0
1773	Working Electrodes. , 2010, , 273-290.		2

#	Article	IF	CITATIONS
1774	Study of the interaction between short alkanethiols from ab initio calculations. Physical Chemistry Chemical Physics, 2010, 12, 7555.	1.3	17
1775	Bifunctional polyacrylamide based polymers for the specific binding of hexahistidine tagged proteins on gold surfaces. Physical Chemistry Chemical Physics, 2010, 12, 4301-4308.	1.3	14
1776	Molecules on gold. Chemical Communications, 2010, 46, 667-676.	2.2	28
1777	Molecular Dynamics Simulations of Ferrocene-Terminated Self-Assembled Monolayers. Journal of Physical Chemistry B, 2010, 114, 6447-6454.	1.2	22
1778	Phase segregation on electroactive self-assembled monolayers: a numerical approach for describing lateral interactions between redox centers. Physical Chemistry Chemical Physics, 2010, 12, 12584.	1.3	19
1779	The Complex Thiolâ^'Palladium Interface: A Theoretical and Experimental Study. Langmuir, 2010, 26, 14655-14662.	1.6	33
1780	Novel Polyaromatic-Terminated Transition Metal Complexes for the Functionalization of Carbon Surfaces. Langmuir, 2010, 26, 3342-3349.	1.6	13
1781	Probing the interactions between disulfide-based ligands and gold nanoparticles using a functionalised fluorescent perylene-monoimide dye. Photochemical and Photobiological Sciences, 2010, 9, 1042-1054.	1.6	39
1782	Probing the kinetics of ligand exchange on colloidal gold nanoparticles by surface-enhanced Raman scattering. Dalton Transactions, 2010, 39, 349-351.	1.6	38
1783	COMPARATIVE STUDY ON THE ADSORPTION PROCESSES OF ALKANETHIOL AND ALKANEDITHIOL ON GOLD. Surface Review and Letters, 2010, 17, 397-403.	0.5	5
1784	Controlled Formation of Nanostructures with Desired Geometries. 1. Robust Static Structures. Industrial & Engineering Chemistry Research, 2010, 49, 7728-7745.	1.8	21
1785	The role of "inert―surface chemistry in marine biofouling prevention. Physical Chemistry Chemical Physics, 2010, 12, 4275.	1.3	265
1786	Green Nanofabrication: Unconventional Approaches for the Conservative Use of Energy. , 0, , 229-279.		1
1787	Formation of a 1,8-Octanedithiol Self-Assembled Monolayer on Au(111) Prepared in a Lyotropic Liquid-Crystalline Medium. Langmuir, 2010, 26, 11790-11796.	1.6	22
1788	Native Serotonin Membrane Receptors Recognize 5-Hydroxytryptophan-Functionalized Substrates: Enabling Small-Molecule Recognition. ACS Chemical Neuroscience, 2010, 1, 495-504.	1.7	34
1789	Interaction of Liquids with Nanoporous Cluster Assembled Au Films. Journal of Physical Chemistry C, 2010, 114, 17591-17596.	1.5	7
1790	1,6-Hexanedithiol Self-Assembled Monolayers on Au(111) Investigated by Electrochemical, Spectroscopic, and Molecular Mechanics Methods. Journal of Physical Chemistry C, 2010, 114, 497-505.	1.5	31
1791	Quantification of the adhesion strength of fibroblast cells on ethylene glycol terminated self-assembled monolayers by a microfluidic shear force assay. Physical Chemistry Chemical Physics, 2010, 12, 4498.	1.3	59

#	Article	IF	CITATIONS
1792	Substrate dependent structure of adsorbed aryl isocyanides studied by sum frequency generation (SFG) spectroscopy. Physical Chemistry Chemical Physics, 2010, 12, 3156.	1.3	35
1793	Near sulfur L-edge X-ray absorption spectra of methanethiol in isolation and adsorbed on a Au(111) surface: a theoretical study using the four-component static exchange approximation. Physical Chemistry Chemical Physics, 2010, 12, 5596.	1.3	16
1794	Adamantane-Based Tripodal Thioether Ligands Functionalized with a Redox-Active Ferrocenyl Moiety for Self-Assembled Monolayers. Journal of Physical Chemistry C, 2010, 114, 14975-14982.	1.5	27
1795	Gently lifting gold's herringbone reconstruction: Trimethylphosphine on Au(111). Physical Review B, 2010, 82, .	1.1	49
1796	Supramolecular Structures and Chirality in Dithiocarbamate Self-Assembled Monolayers on Au(111). Journal of Physical Chemistry Letters, 2010, 1, 813-816.	2.1	21
1797	Deposition of Molybdenum Disulfide Thin Film on a Gold Surface. Molecular Crystals and Liquid Crystals, 2010, 521, 148-157.	0.4	4
1798	Probing interfacial solvation of incipient self-assembled monolayers. Physical Chemistry Chemical Physics, 2010, 12, 13519.	1.3	5
1799	Low temperature bump-less Cu-Cu bonding enhancement with self assembled monolayer (SAM) passivation for 3-D integration. , 2010, , .		17
1800	Fabrication of patterned silane based self-assembled monolayers by photolithography and surface reactions on silicon-oxide substrates. Chemical Communications, 2010, 46, 5634.	2.2	145
1801	First-principles investigation of electron-induced cross-linking of aromatic self-assembled monolayers on Au(111). Physical Chemistry Chemical Physics, 2010, 12, 1578.	1.3	10
1802	Patterned paper as a template for the delivery of reactants in the fabrication of planar materials. Soft Matter, 2010, 6, 4303.	1.2	27
1803	Morphology of mixed-monolayers protecting metal nanoparticles. Journal of Materials Chemistry, 2010, 20, 1403-1412.	6.7	38
1804	Relative stability of thiol and selenol based SAMs on Au(111) — exchange experiments. Physical Chemistry Chemical Physics, 2010, 12, 4400.	1.3	52
1805	A highly ordered, aromatic bidentate self-assembled monolayer on Au(111): a combined experimental and theoretical study. Physical Chemistry Chemical Physics, 2010, 12, 6445.	1.3	23
1806	Morphological and quantitative frictional measurements of cotton fibres using friction force microscopy. Journal of Materials Chemistry, 2010, 20, 8531.	6.7	8
1807	Selective adsorption of dithiolate-modified multi-wall carbon nanotubes onto alkanethiol self-assembled monolayers on Au(111). Chemical Communications, 2010, 46, 6584.	2.2	7
1808	Holey nanosheets by patterning with UV/ozone. Physical Chemistry Chemical Physics, 2010, 12, 4324.	1.3	13
1809	Influence of OH groups on charge transport across organic–organic interfaces: a systematic approach employing an "ideal―device. Physical Chemistry Chemical Physics, 2010, 12, 4317.	1.3	3

		CITATION REPC	DRT	
#	Article	II	F	CITATIONS
1810	Patterning precipitates of reactions in paper. Journal of Materials Chemistry, 2010, 20, 5117	<i>'</i> . 6	5.7	41
1811	Controlled rotary motion of light-driven molecular motors assembled on a gold film. Chemic Science, 2010, 1, 97.	al 3	3.7	55
1812	Geometric and electronic structure of Pd/4-aminothiophenol/Au(111) metal–molecule– a periodic DFT study. Physical Chemistry Chemical Physics, 2010, 12, 4423.	metal contacts: 1	1.3	11
1813	Structural characterization of self-assembled monolayers of pyridine-terminated thiolates or Physical Chemistry Chemical Physics, 2010, 12, 4459.	ı gold. 1	L.3	76
1814	Self-assembled monolayers of benzylmercaptan and para-cyanobenzylmercaptan on gold: su infrared spectroscopic characterization. Physical Chemistry Chemical Physics, 2010, 12, 439	urface 1 90. 1	1.3	25
1815	Recent advances on Electrically Conductive Adhesives. , 2010, , .			9
1816	Self-assembled monolayers of perfluoroterphenyl-substituted alkanethiols: specific characte and odd–even effects. Physical Chemistry Chemical Physics, 2010, 12, 12123.	ristics 1	1.3	63
1817	Self-induced "electroclick―immobilization of a copper complex onto self-assembled mo gold electrode. Dalton Transactions, 2010, 39, 11516.	pnolayers on a 1	L.6	17
1818	Influence of the linker type on the Au–S binding properties of thiol and disulfide-modified self-assembly on polycrystalline gold. Physical Chemistry Chemical Physics, 2010, 12, 3301.	DNA 1	1.3	11
1819	Application of self-assembled monolayer (SAM) in low temperature bump-less Cu-Cu bondin advanced 3D IC. , 2010, , .	g for		9
1820	AFM topography and friction studies of hydrogen-bonded bilayers of functionalized alkaneth Soft Matter, 2010, 6, 3450.	niols. 1	.2	8
1821	Electrochemical Stability of Low-Density Carboxylic Acid Terminated Monolayers. Journal of Chemistry C, 2010, 114, 20167-20172.	Physical 1	L . 5	18
1822	Photoswitching Behavior of Azobenzene-Containing Alkanethiol Self-Assembled Monolayers Surfaces. Langmuir, 2010, 26, 13913-13923.	on Au 1	L.6	57
1823	Compatibility of ω-Functionality in the Electrochemically Directed Self-Assembly of Monola Gold from Alkyl Thiosulfates. Langmuir, 2010, 26, 9497-9505.	iyers on 1	L.6	14
1824	Selenium-Based Self-Assembled Monolayers: The Nature of Adsorbateâ´'Surface Interactions 2010, 26, 173-178.	. Langmuir, 1	L.6	40
1825	Higher-Order Complexity through R-Group Effects in Self-Assembled Tripeptide Monolayers. 2010, 26, 16287-16290.	Langmuir, 1	L.6	4
1826	Electrical Contacting of an Assembly of Pseudoazurin and Nitrite Reductase Using DNA-Dire Immobilization. Journal of the American Chemical Society, 2010, 132, 6550-6557.	cted 6	5.6	27
1827	High-Throughput Discovery of Synthetic Surfaces That Support Proliferation of Pluripotent C Journal of the American Chemical Society, 2010, 132, 1289-1295.	Cells. e	5.6	133

#	Article	IF	CITATIONS
1828	Development of a DNA Microelectrochemical Biosensor for CEACAM5 Detection. IEEE Sensors Journal, 2010, 10, 1368-1374.	2.4	17
1829	Molecular simulations of structures and solvation free energies of passivated gold nanoparticles in supercritical CO2. Journal of Chemical Physics, 2010, 133, 094702.	1.2	18
1830	Surface host-guest assembly as a bottom-up approach for the construction of functional molecular nanostructures. , 2010, , .		0
1831	The influence of a single thiol group on the electronic and optical properties of the smallest diamondoid adamantane. Journal of Chemical Physics, 2010, 132, 024710.	1.2	38
1832	Self-assembly of triazatriangulenium-based functional adlayers on Au(111) surfaces. Physical Chemistry Chemical Physics, 2010, 12, 4481.	1.3	55
1833	Functionalization of manganite nanoparticles and their interaction with biologically relevant small ligands: Picosecond time-resolved FRET studies. Nanoscale, 2010, 2, 2704.	2.8	44
1834	A facile chemical approach for preparing a SERS active silver substrate. Physical Chemistry Chemical Physics, 2010, 12, 14459.	1.3	26
1835	Modification of Cu nanoparticles with a disulfide for polyimide metallization. Journal of Materials Chemistry, 2010, 20, 3600.	6.7	33
1836	Organization of spin- and redox-labile metal centers into Langmuir and Langmuir–Blodgett films. Dalton Transactions, 2010, 39, 4508.	1.6	14
1837	Little exchange at the liquid/solid interface: defect-mediated equilibration of physisorbed porphyrin monolayers. Chemical Communications, 2011, 47, 9666.	2.2	25
1838	Phase transitions of an ionic liquid self-assembled monolayer on Au. Physical Chemistry Chemical Physics, 2011, 13, 12015.	1.3	8
1839	Predicting the self-assembly of a model colloidal crystal. Soft Matter, 2011, 7, 6294.	1.2	35
1840	Application of 2-(3,4-dihydroxyphenyl)-1,3-dithialone self-assembled monolayer on gold electrode as a nanosensor for electrocatalytic determination of dopamine and uric acid. Analyst, The, 2011, 136, 1965.	1.7	80
1841	Redox chemistry in thin layers of organometallic complexes prepared using ion soft landing. Physical Chemistry Chemical Physics, 2011, 13, 267-275.	1.3	34
1842	Relationship between the c(4×2) and the (â^š3×â^š3)R30° phases in alkanethiol self-assembled monolayers on Au(111). Physical Chemistry Chemical Physics, 2011, 13, 11958.	1.3	15
1843	Large area nanopatterning of alkylphosphonate self-assembled monolayers on titanium oxide surfaces by interferometric lithography. Nanoscale, 2011, 3, 2511.	2.8	18
1844	A novel fluorogenic hybrid material for selective sensing of thiophenols. Journal of Materials Chemistry, 2011, 21, 13561.	6.7	51
1845	Ancillary nitrile substituents as convenient IR spectroscopic reporters for self-assembly of mercapto- and isocyanoazulenes on Au(111). Chemical Communications, 2011, 47, 10803.	2.2	10

#	Article	IF	CITATIONS
1846	Fabrication and application of high quality poly(dimethylsiloxane) stamps by gamma ray irradiation. Journal of Materials Chemistry, 2011, 21, 4279.	6.7	10
1847	Chemoenzymatic synthesis of sialooligosaccharides on arrays for studies of cell surface adhesion. Chemical Communications, 2011, 47, 5425-5427.	2.2	30
1848	Janus nanoparticle dimers and chains via polymer single crystals. Journal of Materials Chemistry, 2011, 21, 13155.	6.7	35
1849	Coexistence of â^š3 × â^š3 and quasi-linear phases of sulfur adsorbed (Î [~] = 1/3) on a gold (111) substrate. Physical Chemistry Chemical Physics, 2011, 13, 461-466.	1.3	6
1850	Interface self-assembly to construct vertical peptide nanorods on quartz template. Chemical Communications, 2011, 47, 7113.	2.2	8
1851	A study of adsorption kinetics of alkanethiol and alkanedithiol on gold using cyclic voltammetry. , 2011, , .		0
1852	Dihydroxy(4-thiomorpholinomethyl)benzoic Acid: From Molecular Asymmetry to Diode Characteristics. Langmuir, 2011, 27, 10312-10318.	1.6	5
1853	High-Temperature Adsorption of <i>p</i> -Terphenylthiol on Au(111) Surfaces. Journal of Physical Chemistry C, 2011, 115, 14899-14906.	1.5	22
1854	Coverage-Dependent Formation of Chiral Ethylthiolate-Au Complexes on Au(111). Langmuir, 2011, 27, 627-629.	1.6	10
1855	Simple Formation of C60and C60-Ferrocene Conjugated Monolayers Anchored onto Silicon Oxide with Five Carboxylic Acids and Their Transistor Applications. Chemistry of Materials, 2011, 23, 970-975.	3.2	23
1856	Synthesis and Characterization of Single-Layer Silverâ^'Decanethiolate Lamellar Crystals. Journal of the American Chemical Society, 2011, 133, 4367-4376.	6.6	52
1857	Fabrication and verification of DNA functionalized nanopore with gold layer embedded structure for bio-molecular sensing. , 2011, , .		0
1858	Preparation, reactivity and controlled release of SAMs of calix[4,6]arenes and calix[6]arene-based rotaxanes and pseudorotaxanes formed on polycrystalline Cu. Physical Chemistry Chemical Physics, 2011, 13, 4452.	1.3	12
1859	Competition-based transfer of carbohydrate expression information from a cell-adhered surface to a secondary surface. Chemical Communications, 2011, 47, 3742.	2.2	10
1860	Multicolor, large-area fluorescence sensing through oligothiophene-self-assembled monolayers. Chemical Communications, 2011, 47, 1689-1691.	2.2	51
1861	Structural Transitions of Octanethiol Self-Assembled Monolayers on Gold Nanoplates after Mild Thermal Annealing. Journal of Physical Chemistry C, 2011, 115, 5868-5874.	1.5	32
1862	Electrochemical stability of self-assembled monolayers on nanoporous Au. Physical Chemistry Chemical Physics, 2011, 13, 12277.	1.3	24
1863	Characterization of the mixed self-assembled monolayer at the molecular scale. Chemical Communications, 2011, 47, 11261.	2.2	7

	CITATION	ICLF OICT	
#	Article	IF	CITATIONS
1864	Simple, robust molecular self-assembly on germanium. Chemical Science, 2011, 2, 1334.	3.7	24
1865	Gold oxide as a protecting group for regioselective surface chemistry. Chemical Communications, 2011, 47, 12550.	2.2	7
1866	Specific interfaces between synthetic polymers and biologically identified peptides. Journal of Materials Chemistry, 2011, 21, 10252.	6.7	41
1867	Nanowire filled polymer films for 3D system integration. , 2011, , .		3
1868	Pt nanocrystal evolution in the presence of Au(iii)-salts at room temperature: spontaneous formation of AuPt heterodimers. Journal of Materials Chemistry, 2011, 21, 11518.	6.7	37
1869	Single molecule charge transport: from a quantum mechanical to a classical description. Physical Chemistry Chemical Physics, 2011, 13, 2096-2110.	1.3	21
1870	Enabling Cu-Cu connection in (dual) damascene interconnects by selective deposition of two different SAM molecules. , 2011, , .		0
1871	Design and characterization of a metal ion–imidazole self-assembled monolayer for reversible immobilization of histidine-tagged peptides. Chemical Communications, 2011, 47, 12391.	2.2	9
1872	Intermolecular interactions in self-assembled monolayers of tetrathiafulvalene derivatives. Physical Chemistry Chemical Physics, 2011, 13, 2118-2120.	1.3	23
1873	A catechol-terminated self-assembled monolayer at the surface of a gold electrode and its application for the electrocatalytic determination of dopamine. Analyst, The, 2011, 136, 545-549.	1.7	13
1874	Vibrations of a single adsorbed organic molecule: anharmonicity matters!. Physical Chemistry Chemical Physics, 2011, 13, 612-618.	1.3	21
1875	Morphological and mechanical properties of alkanethiol self-assembled monolayers investigated via bimodal atomic force microscopy. Chemical Communications, 2011, 47, 8823.	2.2	23
1876	Raman spectroscopy probing of self-assembled monolayers inside the pores of gold nanotube membranes. Physical Chemistry Chemical Physics, 2011, 13, 19587.	1.3	30
1877	Adsorption induced surface-stress sensing signal originating from both vertical interface effects and intermolecular lateral interactions. Analyst, The, 2011, 136, 5261.	1.7	5
1878	Attachment and morphology of adipose-derived stromal cells and exposure of cell-binding domains of adsorbed proteins on various self-assembled monolayers. Soft Matter, 2011, 7, 3808.	1.2	9
1879	Iron oxide magnetic nanoparticles used as probing agents to study the nanostructure of mixed self-assembled monolayers. Nanoscale, 2011, 3, 4696.	2.8	21
1880	Ultrafast generation of thick poly(ether amine) (PEA) brush on a gold surface and its protein resistance. Chemical Communications, 2011, 47, 1276-1278.	2.2	5
1881	Biofunctionalization of nanoparticles for cytosensing and cell surface carbohydrate assay. Journal of Materials Chemistry, 2011, 21, 18154.	6.7	16

#	Article	IF	CITATIONS
1882	Photolithography of dithiocarbamate-anchored monolayers and polymers on gold. Journal of Materials Chemistry, 2011, 21, 4371.	6.7	15
1883	Positional control over nanoparticle deposition into nanoholes. , 2011, , .		0
1884	Cu/epoxy interfacial adhesion improvement by thiol-based self assembled structures of different chain lengths. , 2011, , .		3
1885	Aromatic and Aliphatic Thiol Self-Assembled Monolayers on Au: Anchoring and Delivering Copper Species. Journal of Physical Chemistry C, 2011, 115, 24707-24717.	1.5	17
1886	Influence of Binding Groups on Molecular Junction Formation. Journal of the American Chemical Society, 2011, 133, 14313-14319.	6.6	80
1887	Triblock Colloids for Directed Self-Assembly. Journal of the American Chemical Society, 2011, 133, 7725-7727.	6.6	141
1888	Integrating top-down and self-assembly in the fabrication of peptide and protein-based biomedical materials. Chemical Society Reviews, 2011, 40, 4563.	18.7	117
1889	Physical Properties of Aliphatic Monolayer on Indium–Tin Oxide and SnO2(110) Relevant to Thermal Stability of Soft-Landed Cr(benzene)2. Journal of Physical Chemistry C, 2011, 115, 24215-24220.	1.5	5
1890	Permethylated 12-Vertex <i>p</i> -Carborane Self-Assembled Monolayers. Journal of Physical Chemistry C, 2011, 115, 22998-23007.	1.5	17
1891	Self-Assembled Monolayers Derived from Alkoxyphenylethanethiols Having One, Two, and Three Pendant Chains. Langmuir, 2011, 27, 9920-9927.	1.6	11
1892	Theoretical Investigation of a Titanium–Aniline Complex with and without an Alkyl Chain. Journal of Physical Chemistry C, 2011, 115, 16574-16582.	1.5	5
1893	Gold nanoparticles as advanced building blocks for nanoscale self-assembled systems. Journal of Materials Chemistry, 2011, 21, 12181.	6.7	44
1894	Modulating Surface Density of Proteins via Caged Surfaces and Controlled Light Exposure. Langmuir, 2011, 27, 2789-2795.	1.6	26
1895	From Single Molecules to Nanoscopically Structured Materials: Self-Assembly of Metal Chalcogenide/Metal Oxide Nanostructures Based on the Degree of Pearson Hardness. Chemistry of Materials, 2011, 23, 3534-3539.	3.2	20
1896	Substitutional Self-Assembly of Alkanethiol and Selenol SAMs from a Lying-Down Doubly Tethered Butanedithiol SAM on Gold. Journal of Physical Chemistry C, 2011, 115, 16518-16523.	1.5	21
1897	Theoretical and Experimental Study of Bonding and Optical Properties of Self-Assembly Metallophthalocyanines Complexes on a Gold Surface. A Survey of the Substrate–Surface Interaction Journal of Physical Chemistry C, 2011, 115, 23512-23518.	1.5	21
1898	Adsorption and Reaction of Terephthaloyl Chloride on Ag(111): X-ray Photoelectron Spectroscopy and Density Functional Theory Investigations. Journal of Physical Chemistry C, 2011, 115, 14869-14875.	1.5	4
1899	Soft Embossing of Nanoscale Optical and Plasmonic Structures in Glass. ACS Nano, 2011, 5, 5763-5774.	7.3	30

#	Article	IF	CITATIONS
1900	Effect of Chain Length on the Assembly of Mercaptoalkanoic Acid Multilayer Films Ligated through Divalent Cu Ions. Langmuir, 2011, 27, 1033-1037.	1.6	8
1901	Scalable synthesis of self-assembling nanoparticle clusters based on controlled steric interactions. Soft Matter, 2011, 7, 5339.	1.2	45
1902	Multidentate Adsorbates for Self-Assembled Monolayer Films. Accounts of Chemical Research, 2011, 44, 511-519.	7.6	144
1903	Design of Robust Binary Film onto Carbon Surface Using Diazonium Electrochemistry. Langmuir, 2011, 27, 11222-11228.	1.6	47
1904	Sulfur-Induced Reconstruction of Ag(111) Surfaces Studied by DFT. Journal of Physical Chemistry C, 2011, 115, 9587-9592.	1.5	9
1905	Carboxybetaine Methacrylate Polymers Offer Robust, Long-Term Protection against Cell Adhesion. Langmuir, 2011, 27, 10800-10804.	1.6	20
1906	Unveiling Molecular Adsorption Geometry in Cyclohexanethiolate Self-Assembled Monolayers with Local Barrier Height Imaging. Journal of Physical Chemistry C, 2011, 115, 17118-17122.	1.5	5
1907	Ordered Polymeric Microhole Array Made by Selective Wetting and Applications for Electrochemical Microelectrode Array. Langmuir, 2011, 27, 8548-8553.	1.6	12
1908	Polymer-Binding Peptides for the Noncovalent Modification of Polymer Surfaces: Effects of Peptide Density on the Subsequent Immobilization of Functional Proteins. ACS Applied Materials & Interfaces, 2011, 3, 351-359.	4.0	38
1909	Anti-Fouling Chemistry of Chiral Monolayers: Enhancing Biofilm Resistance on Racemic Surface. Langmuir, 2011, 27, 6124-6131.	1.6	42
1910	Dimerization of Nitrosobenzene Derivatives on an Au(111) Surface. Journal of Physical Chemistry C, 2011, 115, 20267-20273.	1.5	7
1911	Hydrogen Bond Partner Reorganization in the Coadsorption of a Monodendron and Pyridylethynyl Derivatives. Langmuir, 2011, 27, 1292-1297.	1.6	13
1912	(<i>S</i>)-Glutamic Acid on Ag(100): Self-Assembly in the Nonzwitterionic Form. Langmuir, 2011, 27, 2393-2404.	1.6	20
1913	Preparation and Characterization of an Ordered 1-Dodecanethiol Monolayer on Bare Si(111) Surface. Langmuir, 2011, 27, 3436-3441.	1.6	27
1914	Superhydrophobic Functionalized Graphene Aerogels. ACS Applied Materials & Interfaces, 2011, 3, 2200-2203.	4.0	205
1915	Formation of High-Quality Self-Assembled Monolayers of Conjugated Dithiols on Gold: Base Matters. Journal of the American Chemical Society, 2011, 133, 4930-4939.	6.6	103
1916	Orthogonally Reactive SAMs as a General Platform for Bifunctional Silica Surfaces. Langmuir, 2011, 27, 741-750.	1.6	25
1917	Adsorption Patterns of Gold Nanoparticles on Methyl-Terminated Self-Assembled Monolayers. Journal of Physical Chemistry C, 2011, 115, 12501-12507.	1.5	14

#	Article	IF	CITATIONS
1918	Rapid Characterization of Protein Chips Using Microwave-Assisted Protein Tryptic Digestion and MALDI Mass Spectrometry. Langmuir, 2011, 27, 10098-10105.	1.6	18
1919	Transforming the Fabrication and Biofunctionalization of Cold Nanoelectrode Arrays into Versatile Electrochemical Glucose Biosensors. ACS Applied Materials & Interfaces, 2011, 3, 1765-1770.	4.0	48
1920	Controlling Adsorbate Diffusion on a High-Symmetry Surface through Molecular Shape Selection. Journal of Physical Chemistry C, 2011, 115, 9526-9534.	1.5	4
1921	Fabrication of Asymmetric Molecular Junctions by the Oriented Assembly of Dithiocarbamate Rectifiers. Journal of the American Chemical Society, 2011, 133, 5921-5930.	6.6	52
1922	Improving the Surface Biocompatibility with the Use of Mixed Zwitterionic Self-Assembled Monolayers Prepared by a Proper Solvent. Langmuir, 2011, 27, 7091-7098.	1.6	20
1923	Chain-Length-Dependent Branching of Irradiation-Induced Processes in Alkanethiolate Self-Assembled Monolayers. Journal of Physical Chemistry C, 2011, 115, 534-541.	1.5	36
1924	In Situ Gap-Mode Raman Spectroscopy on Single-Crystal Au(100) Electrodes: Tuning the Torsion Angle of 4,4′-Biphenyldithiols by an Electrochemical Gate Field. Journal of the American Chemical Society, 2011, 133, 7332-7335.	6.6	79
1925	Self-Assembled Functional Organic Monolayers on Oxide-Free Copper. Langmuir, 2011, 27, 8126-8133.	1.6	16
1926	Intramolecular Ligand Dynamics in <i>d</i> ₁₅ -(PPh ₃)-Capped Gold Nanoparticles Investigated by ² H NMR. Journal of Physical Chemistry C, 2011, 115, 3297-3303.	1.5	20
1927	Temporal Evolution of Benzenethiolate SAMs on Cu(100). Langmuir, 2011, 27, 1025-1032.	1.6	10
1928	Surface-Grafted Rodlike Polymers: Adaptive Self-Assembled Monolayers and Rapid Photo-Patterning of Surfaces. Chemistry of Materials, 2011, 23, 3517-3524.	3.2	18
1929	Self-Assembly of Alkylthiosulfates on Gold: Role of Electrolyte and Trace Water in the Solvent. Langmuir, 2011, 27, 9028-9033.	1.6	7
1930	Bonding Asymmetry and Adatoms in Low-Density Self-Assembled Monolayers of Dithiols on Au(111). Journal of Physical Chemistry C, 2011, 115, 21800-21803.	1.5	8
1931	Gold Nanoparticle Patterning on Monomolecular Chemical Templates Fabricated by Irradiation-Promoted Exchange Reaction. Journal of Physical Chemistry C, 2011, 115, 14058-14066.	1.5	11
1932	Spatial control of cell fate using synthetic surfaces to potentiate TGF-β signaling. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 11745-11750.	3.3	51
1933	Mechanism of Spontaneous Formation of Monolayers on Gold from Alkyl Thiosulfates. Langmuir, 2011, 27, 5371-5376.	1.6	12
1934	Effect of Self-Assembled Monolayers on Charge Injection and Transport in Poly(3-hexylthiophene)-Based Field-Effect Transistors at Different Channel Length Scales. ACS Applied Materials & Interfaces, 2011, 3, 2973-2978.	4.0	31
1935	One-Pot Synthesis of Liquid Hg/Solid β-HgS Metalâ^'Semiconductor Heterostructures with Unique Electrical Properties. ACS Nano, 2011, 5, 2224-2230.	7.3	30

#	Article	IF	CITATIONS
1936	Compensation of the Oddâ^'Even Effects in Araliphatic Self-Assembled Monolayers by Nonsymmetric Attachment of the Aromatic Part. Journal of Physical Chemistry C, 2011, 115, 2841-2854.	1.5	28
1937	New Dialkyldithiophosphinic Acid Self-Assembled Monolayers (SAMs): Influence of Gold Substrate Morphology on Adsorbate Binding and SAM Structure. Langmuir, 2011, 27, 10019-10026.	1.6	13
1938	Atomic-Resolution Kinked Structure of an Alkylporphyrin on Highly Ordered Pyrolytic Graphite. Journal of Physical Chemistry Letters, 2011, 2, 62-66.	2.1	21
1939	Thiolated Dendrimers as Multi-Point Binding Headgroups for DNA Immobilization on Gold. Langmuir, 2011, 27, 12434-12442.	1.6	26
1940	Stochastic Amperometric Fluctuations as a Probe for Dynamic Adsorption in Nanofluidic Electrochemical Systems. Journal of the American Chemical Society, 2011, 133, 18289-18295.	6.6	43
1941	Electropolymerized Self-Assembled Layer on Gold Nanoparticles: Detection of Inducible Nitric Oxide Synthase in Neuronal Cell Culture. Analytical Chemistry, 2011, 83, 6177-6183.	3.2	72
1942	Disorder–Order Transformation of Trithiocyanuric Acid Adlayer on a Au(111) Surface Induced by Electrode Potential. Journal of Physical Chemistry C, 2011, 115, 16583-16589.	1.5	5
1943	Modification of Self-Assembled Monolayers of Perfluoroterphenyl-Substituted Alkanethiols by Low-Energy Electrons. Journal of Physical Chemistry C, 2011, 115, 4773-4782.	1.5	13
1944	Structural and Electrical Properties of Flip Chip Laminated Metal–Molecule–Silicon Structures Varying Molecular Backbone and Atomic Tether. Journal of Physical Chemistry C, 2011, 115, 24353-24365.	1.5	8
1945	Selective Biomolecular Nanoarrays for Parallel Single-Molecule Investigations. Journal of the American Chemical Society, 2011, 133, 7656-7659.	6.6	37
1946	Robust, Functionalizable, Nanometer-Thick Poly(acrylic acid) Films Spontaneously Assembled on Oxidized Aluminum Substrates: Structures and Chemical Properties. Langmuir, 2011, 27, 3638-3653.	1.6	6
1947	Adsorption of Oxygenates on Alkanethiol-Functionalized Pd(111) Surfaces: Mechanistic Insights into the Role of Self-Assembled Monolayers on Catalysis. Langmuir, 2011, 27, 6731-6737.	1.6	28
1948	Contact Angles of Surface Nanobubbles on Mixed Self-Assembled Monolayers with Systematically Varied Macroscopic Wettability by Atomic Force Microscopy. Langmuir, 2011, 27, 8223-8232.	1.6	80
1949	Formation and NMR Spectroscopy of ω-Thiol Protected α,ω-Alkanedithiol-Coated Gold Nanoparticles and Their Usage in Molecular Charge Transport Junctions. Langmuir, 2011, 27, 9057-9067.	1.6	22
1950	Restructuring of Octanethiolate and Dialkyldithiocarbamate Monolayers in the Formation of Sequentially Adsorbed Mixed Monolayers. Journal of Physical Chemistry C, 2011, 115, 20274-20281.	1.5	13
1951	Binary Self-Assembled Monolayers of Alkanethiols on Gold: Deposition from Solution versus Microcontact Printing and the Study of Surface Nanobubbles. Langmuir, 2011, 27, 1353-1358.	1.6	11
1952	New Insights on the Interaction between Thiophene Derivatives and Au Surfaces. The Case of 3,4-Ethylenedioxythiophene and the Relevant Polymer. Journal of Physical Chemistry C, 2011, 115, 17836-17844.	1.5	34
1953	A Sensitive Hydrogen Peroxide Sensor Based on Hemoglobin Immobilized on Gold Nanoparticles and 1,6-hexanedithiol Modified Gold Electrode. Analytical Letters, 2011, 44, 885-897.	1.0	О

CITA	NOI	Repo	RT

#	Article	IF	CITATIONS
1954	Relation between the Solution-State Behavior of Self-Assembled Monolayers on Nanoparticles and Dispersion of Nanoparticles in Organic Solvents. Journal of Physical Chemistry C, 2011, 115, 3899-3909.	1.5	21
1955	Molecular Order and Disorder in the Frictional Response of Alkanethiol Self-Assembled Monolayers. Journal of Physical Chemistry A, 2011, 115, 6942-6947.	1.1	19
1956	Interaction of Alkanethiols with Nanoporous Cluster-Assembled Au Films. Langmuir, 2011, 27, 8371-8376.	1.6	12
1957	Synthetic Chemoselective Rewiring of Cell Surfaces: Generation of Three-Dimensional Tissue Structures. Journal of the American Chemical Society, 2011, 133, 8704-8713.	6.6	111
1958	Interdigitating Organic Bilayers Direct the Short Interlayer Spacing in Hybrid Organic–Inorganic Layered Vanadium Oxide Nanostructures. Journal of Physical Chemistry B, 2011, 115, 14518-14525.	1.2	18
1959	Multi-Layered Plasma-Polymerized Chips for SPR-Based Detection. ACS Applied Materials & Interfaces, 2011, 3, 4640-4648.	4.0	15
1960	Real Time Detection of Lysozyme by Pulsed Streaming Potentials Using Polyclonal Antibodies Immobilized on a Renewable Nonfouling Surface Inside Plastic Microfluidic Channels. Analytical Chemistry, 2011, 83, 2012-2019.	3.2	11
1961	Chemical Functionalization of the TiO ₂ (110)-(1 × 1) Surface by Deposition of Terephthalic Acid Molecules. A Density Functional Theory and Scanning Tunneling Microscopy Study. Journal of Physical Chemistry C, 2011, 115, 4134-4144.	1.5	28
1962	Hybrid Organic/Inorganic Molecular Heterojunctions Based on Strained Nanomembranes. Nano Letters, 2011, 11, 3727-3733.	4.5	66
1963	Capping-Ligand Effect on the Stability of CdSe Quantum Dot Langmuir Monolayers. Langmuir, 2011, 27, 2099-2103.	1.6	14
1964	Adlayers of Dimannoside Thiols on Gold: Surface Chemical Analysis. Langmuir, 2011, 27, 4808-4815.	1.6	44
1965	Controlling the Properties of Self-Assembled Monolayers by Substrate Curvatureâ€. Langmuir, 2011, 27, 1246-1250.	1.6	46
1966	Using Covalent Dimers of Human Carbonic Anhydrase II To Model Bivalency in Immunoglobulins. Journal of the American Chemical Society, 2011, 133, 11701-11715.	6.6	44
1967	Gold nanostructures: a class of multifunctional materials for biomedical applications. Chemical Society Reviews, 2011, 40, 44-56.	18.7	727
1968	Direct Route to Well-Defined, Chemically Diverse Electrode Arrays. Langmuir, 2011, 27, 3219-3223.	1.6	7
1969	Ultra-Long-Range Electron Transfer through a Self-Assembled Monolayer on Gold Composed of 120-ÃLong α-Helicesâ€. Langmuir, 2011, 27, 1530-1535.	1.6	48
1970	Probing Hopping Conduction in Conjugated Molecular Wires Connected to Metal Electrodes. Chemistry of Materials, 2011, 23, 631-645.	3.2	163
1971	Adatoms at the Sulfur–Gold Interface in 1-Adamantanethiolate Monolayers, Studied Using Reaction with Hydrogen Atoms and Scanning Tunneling Microscopy. Journal of Physical Chemistry C, 2011, 115, 25437-25441.	1.5	10

		CITATION REPORT		
#	Article		IF	CITATIONS
1972	Organosilane deposition for microfluidic applications. Biomicrofluidics, 2011, 5, 36502	l-365017.	1.2	84
1973	Gold Mining by Alkanethiol Radicals: Vacancies and Pits in the Self-Assembled Monolay 1-Propanethiol and 1-Butanethiol on Au(111). Journal of Physical Chemistry C, 2011, 1	vers of 15, 10630-10639.	1.5	36
1974	Simulation and Modeling of Self-Assembled Monolayers of Carboxylic Acid Thiols on Fl Nanoparticle Gold Surfaces. Analytical Chemistry, 2011, 83, 6704-6712.	at and	3.2	73
1975	Redox-Switchable Surface for Controlling Peptide Structure. Journal of the American C Society, 2011, 133, 8870-8873.	hemical	6.6	41
1976	Electric-field effects on the interfacial electron transfer and protein dynamics of cytoch Journal of Electroanalytical Chemistry, 2011, 660, 367-376.	irome c.	1.9	38
1977	Drug–GSH interaction on GSH–Au modified electrodes: A cyclic voltammetry and impedance spectroscopy study. Journal of Electroanalytical Chemistry, 2011, 661, 120	electrochemical -129.	1.9	5
1978	Formation and modification of a binary self-assembled monolayer on a nano-structured electrode and its structural characterization by electrochemical impedance spectrosco Electroanalytical Chemistry, 2011, 661, 329-335.	d gold py. Journal of	1.9	32
1979	Diversified Nanoparticle Assembly Pathways: Materials Architecture Control Beyond th Amphiphilicity Paradigm. Journal of Physical Chemistry B, 2011, 115, 14416-14423.	e	1.2	1
1980	Directing Substrate Morphology via Self-Assembly: Ligand-Mediated Scission of Galliur Microspheres to the Nanoscale. Nano Letters, 2011, 11, 5104-5110.	n–Indium	4.5	260
1981	Comparative Electrochemical Scanning Tunneling Microscopy Study of Nonionic Fluor Zonyl FSN Self-Assembled Monolayers on Au(111) and Au(100): A Potential-Induced S Transition. Langmuir, 2011, 27, 943-947.	osurfactant tructural	1.6	13
1982	Surface Reactivity from Electrochemical Lithography: Illustration in the Steady-State Re Etching of Perfluorinated Surfaces. Analytical Chemistry, 2011, 83, 6106-6113.	eductive	3.2	18
1984	Luminescent Ruthenium Tripod Complexes: Properties in Solution and on Conductive Inorganic Chemistry, 2011, 50, 1581-1591.	Surfaces.	1.9	49
1985	Combined optical and acoustical method for determination of thickness and porosity organic layers below the ultra-thin film limit. Review of Scientific Instruments, 2011, 8	of transparent 2, 103111.	0.6	41
1986	Sequentially Modified, Polymer-Stabilized Gold Nanoparticle Libraries: Convergent Syn Aggregation Behavior. ACS Combinatorial Science, 2011, 13, 286-297.	thesis and	3.8	41
1987	Diffusion-Assisted Formation Mechanism of Molecular Break Junctions: A First-Principle Benzenethiolate on Au(111). Journal of Physical Chemistry C, 2011, 115, 3460-3465.	25 Study of	1.5	1
1988	Electrochemical and Optical Characterization of Triarylamine Functionalized Gold Nan Langmuir, 2011, 27, 5029-5039.	oparticles.	1.6	24
1989	Site-selective localization of analytes on gold nanorod surface for investigating field er distribution in surface-enhanced Raman scattering. Nanoscale, 2011, 3, 1575.	ihancement	2.8	39
1990	Design and Optical Properties of Active Polymer-Coated Plasmonic Nanostructures. Jo Physical Chemistry Letters, 2011, 2, 926-931.	urnal of	2.1	58

#	Article	IF	CITATIONS
1991	Polymeric Nanopore Membranes for Hydrophobicity-Based Separations by Conformal Initiated Chemical Vapor Deposition. Nano Letters, 2011, 11, 677-686.	4.5	138
1992	Characterization of protein immobilization on nanoporous gold using atomic force microscopy and scanning electron microscopy. Nanoscale, 2011, 3, 3395.	2.8	40
1993	Electrochemical charge transfer mediated by metal nanoparticles and quantum dots. Physical Chemistry Chemical Physics, 2011, 13, 21175.	1.3	65
1994	Self-Assembled Monolayer of Cr ₇ Ni Molecular Nanomagnets by Sublimation. ACS Nano, 2011, 5, 7090-7099.	7.3	42
1995	Phosphonate-Anchored Monolayers for Antibody Binding to Magnetic Nanoparticles. Langmuir, 2011, 27, 12082-12089.	1.6	17
1996	Preparation of metal "nanosalts―and their application in catalysis: heterogeneous and homogeneous pathways. Dalton Transactions, 2011, 40, 4011.	1.6	39
1997	Scanning Tunneling Microscopy and Cyclic Voltammetry Study of Self-Assembled 3,3â€2-Thiobis(1-propanesulfonic acid, sodium salt) Monolayers on Au(111) Electrodes. Journal of Physical Chemistry C, 2011, 115, 7638-7647.	1.5	8
1998	Wavelength-Selective Caged Surfaces: How Many Functional Levels Are Possible?. Journal of the American Chemical Society, 2011, 133, 5380-5388.	6.6	170
1999	Electronic Structure of Aromatic Monomolecular Films: The Effect of Molecular Spacers and Interfacial Dipoles. Journal of Physical Chemistry C, 2011, 115, 22422-22428.	1.5	21
2000	Tuning TiO ₂ Photoelectrochemical Properties by Nanoring/Nanotube Combined Structure. Journal of Physical Chemistry C, 2011, 115, 14635-14640.	1.5	46
2001	"Naked―gold nanoparticles supported on HOPG: melanin functionalization and catalytic activity. Nanoscale, 2011, 3, 1708.	2.8	21
2002	Diatoms: Self assembled silicananostructures, and templates for bio/chemical sensors and biomimetic membranes. Analyst, The, 2011, 136, 42-53.	1.7	114
2003	Conversion of Self-Assembled Monolayers into Nanocrystalline Graphene: Structure and Electric Transport. ACS Nano, 2011, 5, 3896-3904.	7.3	97
2004	Wiring of Redox Enzymes on Three Dimensional Self-Assembled Molecular Scaffold. Langmuir, 2011, 27, 12606-12613.	1.6	17
2005	Directed Assembly of Nanostructures. , 2011, , 13-68.		13
2006	Self-Assembled Monolayers. , 2011, , 127-152.		4
2007	Lateral interactions at functional monolayers. Journal of Materials Chemistry, 2011, 21, 2428-2444.	6.7	24
2008	Using a Mediating Effect in the Electroreduction of Aryldiazonium Salts To Prepare Conducting Organic Films of High Thickness. Chemistry of Materials, 2011, 23, 1551-1557.	3.2	78

ARTICLE IF CITATIONS Poly(3,4-ethylenedioxythiophene) on self-assembled alkanethiol monolayers for corrosion protection. 2009 1.9 25 Polymer Chemistry, 2011, 2, 2548. Characterization of phosphonic acid binding to zinc oxide. Journal of Materials Chemistry, 2011, 21, 6.7 3107. Solid-State Nanopore Sensors for Nucleic Acid Analysis., 2011, , 1-33. 2011 8 Tribological Properties of Self-Assembled Monolayers of Catecholic Imidazolium and the Spin-Coated Films of Ionic Liquids. Langmuir, 2011, 27, 11324-11331. Odda[^] Even Effects in Charge Transport across Self-Assembled Monolayers. Journal of the American 2013 6.6 187 Chemical Society, 2011, 133, 2962-2975. Experimental and Theoretical Examination of Surface Energy and Adhesion of Nitrifying and Heterotrophic Bacteria Using Self-Assembled Monolayers. Environmental Science & Amp; Technology, 4.6 2011, 45, 1055-1060. Challenges for Capillary Self-Assembly of Microsystems. IEEE Transactions on Components, Packaging 2015 1.4 23 and Manufacturing Technology, 2011, 1, 133-149. Surface-Enhanced Raman Spectroscopy Investigation of the Potential-Dependent Acidâ[^]Base Chemistry 1.6 37 of Silver-Immobilized 2-Mercaptobenzoic Acid. Langmuir, 2011, 27, 3527-3533. Charge Transport in Single Molecular Junctions at the Solid/Liquid Interface. Topics in Current 2017 4.0 19 Chemistry, 2011, 313, 121-188. Surface-Enhanced Raman Spectroelectrochemistry of TTF-Modified Self-Assembled Monolayers. 2.1 Journal of Physical Chemistry Letters, 2011, 2, 1145-1149. The Controlled Display of Biomolecules on Nanoparticles: A Challenge Suited to Bioorthogonal 2020 1.8 444 Chemistry. Bioconjugate Chemistry, 2011, 22, 825-858. Carbohydrate-Based Nanoparticles for Potential Applications in Medicine. Progress in Molecular 0.9 24 Biology and Translational Science, 2011, 104, 141-173. Pyrene-Modified Quartz Crystal Microbalance for the Detection of Polynitroaromatic Compounds. 2022 3.2 11 Analytical Chemistry, 2011, 83, 6208-6214. Single metal nanoparticles: optical detection, spectroscopy and applications. Reports on Progress in 8.1 Physics, 2011, 74, 106401. Importance of the Indium Tin Oxide Substrate on the Quality of Self-Assembled Monolayers Formed 2024 73 1.6 from Organophosphonic Acids. Langmuir, 2011, 27, 2545-2552. Template-Stripped Smooth Ag Nanohole Arrays with Silica Shells for Surface Plasmon Resonance 203 Biosensing. ACS Nano, 2011, 5, 6244-6253. Microdroplet fabrication of silver–agarose nanocomposite beads for SERS optical accumulation. 2026 1.2 39 Soft Matter, 2011, 7, 1321-1325. Nanopatterning by block copolymer micelle nanolithography and bioinspired applications. Biointerphases, 2011, 6, MR1-MR12.

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#	Article	IF	CITATIONS
2028	X-ray photoelectron spectroscopy characterization of gold nanoparticles functionalized with amine-terminated alkanethiols. Biointerphases, 2011, 6, 98-104.	0.6	70
2029	Synthesis of Nickel Nanowires via Electroless Nanowire Deposition on Micropatterned Substrates. Langmuir, 2011, 27, 11292-11295.	1.6	17
2030	Tethered Bilayer Lipid Membranes on Mixed Self-Assembled Monolayers of a Novel Anchoring Thiol: Impact of the Anchoring Thiol Density on Bilayer Formation. Langmuir, 2011, 27, 14317-14328.	1.6	31
2031	Thermal and Mechanical Aging of Self-Assembled Monolayers as Studied by Near Edge X-ray Absorption Fine Structure. Langmuir, 2011, 27, 12423-12433.	1.6	16
2032	Visualizing Chromatographic Separation of Metal Ions on a Surface-Enhanced Raman Active Medium. Nano Letters, 2011, 11, 145-150.	4.5	105
2033	Molecular Dynamics Simulation Study of Adsorption and Patterning of DNA Bases on the Au(111) Surface. Journal of Physical Chemistry C, 2011, 115, 22484-22494.	1.5	26
2034	A periodic mixed gaussians–plane waves DFT study on simple thiols on Au(111): adsorbate species, surface reconstruction, and thiols functionalization. Physical Chemistry Chemical Physics, 2011, 13, 3886.	1.3	32
2035	Inorganic-Organic Hybrid Nanomaterials for Therapeutic and Diagnostic Imaging Applications. International Journal of Molecular Sciences, 2011, 12, 3888-3927.	1.8	89
2036	Characterizing the Molecular Order of Phosphonic Acid Self-Assembled Monolayers on Indium Tin Oxide Surfaces. Langmuir, 2011, 27, 11883-11888.	1.6	43
2037	SPR-based single nucleotide mismatch biosensor. Analytical Methods, 2011, 3, 122-132.	1.3	14
2038	Solution-phase synthesis of metal and/or semiconductor homojunction/heterojunction nanomaterials. Nanoscale, 2011, 3, 2099.	2.8	70
2039	Quantitative Surface-Enhanced Raman Scattering Ultradetection of Atomic Inorganic Ions: The Case of Chloride. ACS Nano, 2011, 5, 7539-7546.	7.3	75
2040	A Molecular Half-Wave Rectifier. Journal of the American Chemical Society, 2011, 133, 15397-15411.	6.6	102
2041	Sub-Micrometer Patterning Using Soft Lithography. , 2011, , 63-81.		3
2042	Chirality and Rotation of Asymmetric Surface-Bound Thioethers. Journal of Physical Chemistry C, 2011, 115, 897-901.	1.5	29
2043	Effect of Coverage and Defects on the Adsorption of Propanethiol on Au(111) Surface: A Theoretical Study. Langmuir, 2011, 27, 14514-14521.	1.6	29
2044	Photoinduced work function changes by isomerization of a densely packed azobenzene-based SAM on Au: a joint experimental and theoretical study. Physical Chemistry Chemical Physics, 2011, 13, 14302.	1.3	61
2045	Theoretical study of the structure of self-assembled monolayers of short alkylthiolates on Au(111) and Ag(111): the role of induced substrate reconstruction and chain–chain interactions. Physical Chemistry Chemical Physics, 2011, 13, 9353.	1.3	24

		CITATION REPORT	
#	Article	IF	CITATIONS
2046	On the Stability of Oligo(ethylene glycol) (C ₁₁ EG ₆ OMe) SAMs on Go Behavior at Elevated Temperature in Contact with Water. Langmuir, 2011, 27, 2237-2243.	ld: 1.6	14
2047	Electrical transport characteristics through molecular layers. Journal of Materials Chemistry, 201 21, 18117.	1, 6.7	48
2048	UPS, XPS, and NEXAFS Study of Self-Assembly of Standing 1,4-Benzenedimethanethiol SAMs on Langmuir, 2011, 27, 4713-4720.	Gold. 1.6	61
2049	Analytical Microsystems for Biomedical and Environmental Applications. Biocybernetics and Biomedical Engineering, 2011, 31, 3-16.	3.3	6
2050	Self-Assembling Biomaterials. , 2011, , 77-94.		2
2051	Preferential Adsorption of Amino-Terminated Silane in a Binary Mixed Self-Assembled Monolayer Langmuir, 2011, 27, 5420-5426.	. 1.6	39
2052	Atomic Force Microscopy in Biomedical Research. Methods in Molecular Biology, 2011, , .	0.4	15
2053	Nanotechnology Research Directions for Societal Needs in 2020. , 2011, , .		202
2054	Packing density of HS(CH2)nCOOH self-assembled monolayers. Analyst, The, 2011, 136, 4935.	1.7	33
2055	Bridging Interactions and Selective Nanoparticle Aggregation Mediated by Monovalent Cations. Nano, 2011, 5, 530-536.	ACS 7.3	71
2056	Comparative electrochemical study of new self-assembled monolayers of 2-{[(Z)-1-(3-furyl)methylidene]amino}-1-benzenethiol and 2-{[(2-sulfanylphenyl)imino]methyl}p determination of dopamine in the presence of high concentration of ascorbic acid and uric acid. Analyst, The, 2011, 136, 1979.	henol for 1.7	17
2057	Electrodeposition of Palladium onto a Pyridine-Terminated Self-Assembled Monolayer. Langmuir, 27, 2567-2574.	2011, <u>1.6</u>	46
2058	Interstaple Dithiol Cross-Linking in Au ₂₅ (SR) ₁₈ Nanomolecules: A Con Mass Spectrometric and Computational Study. Journal of the American Chemical Society, 2011, 20258-20266.		79
2059	Soft-Lithographic Approach to Functionalization and Nanopatterning Oxide-Free Silicon. Langmu 2011, 27, 6478-6485.	uir, 1.6	20
2062	Adsorption of Short-Chain Thiols and Disulfides onto Gold under Defined Mass Transport Conditions: Coverage, Kinetics, and Mechanism. Journal of the American Chemical Society, 2011 16080-16091.	., 133, 6.6	66
2063	Chain-Branching Control of the Atomic Structure of Alkanethiol-Based Gold–Sulfur Interfaces. Journal of the American Chemical Society, 2011, 133, 14856-14859.	6.6	30
2064	Dynamic Double Lattice of 1-Adamantaneselenolate Self-Assembled Monolayers on Au{111}. Jou the American Chemical Society, 2011, 133, 19422-19431.	urnal of 6.6	25
2065	4-Nitrophenyl sulfenyl chloride as a new precursor for the formation of aromatic SAMs on gold surfaces. Chemical Communications, 2011, 47, 7095.	2.2	18

#	Article	IF	CITATIONS
2066	Nanostructure Molecular Assemblies Constructed Based on <i>Ex-Situ</i> and <i>In-Situ</i> Layer-by-Layer Ferrioxamation Characterized by Electrochemical and Scanning Tunneling Microscopy Methods. Journal of Physical Chemistry C, 2011, 115, 8042-8055.	1.5	39
2067	Three-dimensional microwell arrays for cell culture. Lab on A Chip, 2011, 11, 127-131.	3.1	66
2068	Anthracene and Anthracene:C60 Adduct-Terminated Monolayers Covalently Bound to Hydrogen-Terminated Silicon Surfaces. Journal of Physical Chemistry C, 2011, 115, 14786-14796.	1.5	25
2070	Design of Biointerfaces for Regenerative Medicine. Advances in Polymer Science, 2011, , 167-200.	0.4	4
2071	Thiol–Ene–Thiol Photofunctionalization of Thiolated Monolayers with Polybutadiene and Functional Thiols, Including Thiolated DNA. Journal of Physical Chemistry C, 2011, 115, 22931-22938.	1.5	19
2072	Investigation of the Mechanism of Nickel Electroless Deposition on Functionalized Self-Assembled Monolayers. Langmuir, 2011, 27, 6932-6939.	1.6	21
2073	Metal Nanoparticles in Microbiology. , 2011, , .		81
2074	Biological Microarrays. Methods in Molecular Biology, 2011, , .	0.4	2
2075	Additive controlled crystallization. CrystEngComm, 2011, 13, 1249.	1.3	204
2076	Self-Assembled Monolayer Formation on Copper: A Real Time Electrochemical Impedance Study. Journal of Physical Chemistry C, 2011, 115, 18202-18207.	1.5	17
2077	Dissociation and Degradation of Thiol-Modified DNA on Gold Nanoparticles in Aqueous and Organic Solvents. Langmuir, 2011, 27, 6132-6137.	1.6	105
2078	Electrochemically controlled self-assembled monolayers characterized with molecular and sub-molecular resolution. Physical Chemistry Chemical Physics, 2011, 13, 5526.	1.3	30
2079	Soft Landing of Complex Molecules on Surfaces. Annual Review of Analytical Chemistry, 2011, 4, 83-104.	2.8	98
2081	Self-Assembled Monolayers of Disulfide Cu Porphyrins on Au Surfaces: Adsorption Induced Reduction and Demetalation. Langmuir, 2011, 27, 10714-10721.	1.6	22
2082	Collectively Induced Quantum-Confined Stark Effect in Monolayers of Molecules Consisting of Polar Repeating Units. Journal of the American Chemical Society, 2011, 133, 18634-18645.	6.6	33
2083	Diazonium-Derived Aryl Films on Gold Nanoparticles: Evidence for a Carbon–Gold Covalent Bond. ACS Nano, 2011, 5, 4219-4227.	7.3	189
2084	Nanopores. , 2011, , .		32
2085	Electron transfer behavior at polyoxometalate-adsorbed alkanethiol self-assembled monolayers. Applied Surface Science, 2011, 257, 9490-9497.	3.1	4

#	Article	IF	CITATIONS
2086	Synthesis of [Ru3(μ3-NPh)(Br)(CO)9]â^' on self-assembled monolayers of di(3-aminopropyl)viologen/ITO surfaces and its application to photoelectrochemical cells. Applied Surface Science, 2011, 257, 9879-9884.	3.1	4
2087	Fabrication and characterization of indium sulfide thin films deposited on SAMs modified substrates surfaces by chemical bath deposition. Applied Surface Science, 2011, 258, 649-656.	3.1	14
2088	Surface-enhanced Raman scattering detection of cholinesterase inhibitors. Analytica Chimica Acta, 2011, 703, 234-238.	2.6	26
2089	Coverage and charge dependent adsorption of butanethiol on the Au(111) surface: A density functional theory study. Computational and Theoretical Chemistry, 2011, 975, 116-121.	1.1	10
2090	Real-time investigation of mannosyltransferase function of a Xylella fastidiosa recombinant GumH protein using QCM-D. Biochemical and Biophysical Research Communications, 2011, 408, 571-575.	1.0	4
2091	The molecular level modification of surfaces: from self-assembled monolayers to complex molecular assemblies. Chemical Society Reviews, 2011, 40, 2704.	18.7	433
2092	Gold nanoprobes for theranostics. Nanomedicine, 2011, 6, 1787-1811.	1.7	51
2093	A Versatile Approach to the Synthesis of Functionalized Thiol-Protected Palladium Nanoparticles. Chemistry of Materials, 2011, 23, 3961-3969.	3.2	94
2094	Development of a highly specific amine-terminated aptamer functionalized surface plasmon resonance biosensor for blood protein detection. Biomedical Optics Express, 2011, 2, 2731.	1.5	19
2095	Construction of a densely poly(ethylene glycol)-chain-tethered surface and its performance. Polymer Journal, 2011, 43, 949-958.	1.3	109
2096	Chemical Modifications of Au/SiO ₂ Template Substrates for Patterned Biofunctional Surfaces. Langmuir, 2011, 27, 678-685.	1.6	41
2097	Click-chemistry for nanoparticle-modification. Journal of Materials Chemistry, 2011, 21, 16717.	6.7	157
2098	Development of Interatomic ReaxFF Potentials for Au–S–C–H Systems. Journal of Physical Chemistry A, 2011, 115, 10315-10322.	1.1	77
2099	Molecular Dynamics Study of the Formation of a Self-Assembled Monolayer on Gold. Journal of Physical Chemistry C, 2011, 115, 10668-10674.	1.5	45
2100	Small Size Limit to Self-Assembled Monolayer Formation on Gold(111). Journal of Physical Chemistry C, 2011, 115, 13193-13199.	1.5	14
2101	Detection of 2,4-Dinitrotoluene (DNT) as a Model System for Nitroaromatic Compounds via Molecularly Imprinted Short-Alkyl-Chain SAMs. Langmuir, 2011, 27, 6768-6779.	1.6	48
2102	Collective electric and magnetic plasmonic resonances in spherical nanoclusters. Optics Express, 2011, 19, 2754.	1.7	64
2103	Replacement of Poly(vinyl pyrrolidone) by Thiols: A Systematic Study of Ag Nanocube Functionalization by Surface-Enhanced Raman Scattering. Journal of Physical Chemistry C, 2011, 115, 21852-21857.	1.5	79

#	Article	IF	CITATIONS
2104	Chemical Modifications of Atomic Force Microscopy Tips. Methods in Molecular Biology, 2011, 736, 457-483.	0.4	16
2105	Electron Microscopic Visualization of the Filament Binding Mode of Actin-Binding Proteins. Journal of Molecular Biology, 2011, 408, 26-39.	2.0	3
2106	Solution-Deposited Organic–Inorganic Hybrid Multilayer Gate Dielectrics. Design, Synthesis, Microstructures, and Electrical Properties with Thin-Film Transistors. Journal of the American Chemical Society, 2011, 133, 10239-10250.	6.6	108
2107	Electronic Structure and Bonding of Icosahedral Core–Shell Gold–Silver Nanoalloy Clusters Au _{144–<i>x</i>} Ag _{<i>x</i>} (SR) ₆₀ . Journal of Physical Chemistry Letters, 2011, 2, 2316-2321.	2.1	71
2108	Surface plasmon resonance-based biosensors: From the development of different SPR structures to novel surface functionalization strategies. Current Opinion in Solid State and Materials Science, 2011, 15, 208-224.	5.6	295
2109	Synthesis and characterization of azidoalkyl-functionalized gold nanoparticles as scaffolds for "click―chemistry derivatization. Journal of Materials Chemistry, 2011, 21, 6152.	6.7	20
2110	Grafting mixed responsive brushes of poly(N-isopropylacrylamide) and poly(methacrylic acid) from gold by selective initiation. Polymer Chemistry, 2011, 2, 879.	1.9	49
2111	Realization of highly photoresponsive azobenzene-functionalized monolayers. Journal of Materials Chemistry, 2011, 21, 4696.	6.7	45
2112	Beating cancer in multiple ways using nanogold. Chemical Society Reviews, 2011, 40, 3391.	18.7	552
2114	Aryl diazonium salts: a new class of coupling agents for bonding polymers, biomacromolecules and nanoparticles to surfaces. Chemical Society Reviews, 2011, 40, 4143.	18.7	442
2116	Bioinspired catecholic chemistry for surface modification. Chemical Society Reviews, 2011, 40, 4244.	18.7	1,067
2117	Synthetic Chemistry of Nanomaterials. , 2011, , 479-506.		9
2118	Sulfur Multilayer Formation on Au(111): New Insights from the Study of Hexamethyldisilathiane. Langmuir, 2011, 27, 12270-12274.	1.6	21
2119	Electrochemistry of Os(2,2′-bpy)2ClPyCH2NHCOPh tethered to Au electrodes by S–Au and C–Au junctions. Physical Chemistry Chemical Physics, 2011, 13, 5336.	1.3	17
2120	Nanostructured Disposable Impedimetric Sensors as Tools for Specific Biomolecular Interactions: Sensitive Recognition of Concanavalin A. Analytical Chemistry, 2011, 83, 2987-2995.	3.2	78
2121	Synthesis and structure of new crown ethers with 1,4-phenylene and 1,4-naphthylene units. Journal of Molecular Structure, 2011, 996, 17-23.	1.8	2
2122	Silicon and Silicon-Related Surfaces for Biosensor Applications. , 2011, , .		0
2123	Editorial [Hot Topic: Gold Derivatives as Anti-Cancer Agents (Guest Editor: Laura Rodriguez Raurell)]. Anti-Cancer Agents in Medicinal Chemistry, 2011, 11, 920-920.	0.9	0

#	Article	IF	Citations
2124	Direct Immunosensor Design Based on the Electrochemical Reduction of 4-((4-Nitrophenyl)ethynyl)benzenethiol Monolayers. Journal of Sensors, 2011, 2011, 1-7.	0.6	1
2125	Infrared Ellipsometric Study of Hydrogen-Bonded Long-Chain Thiolates on Gold: Towards Resolving Structural Details. Micromachines, 2011, 2, 306-318.	1.4	1
2126	Triazolobithiophene Light Absorbing Self-Assembled Monolayers: Synthesis and Mass Spectrometry Applications. Molecules, 2011, 16, 8758-8774.	1.7	5
2127	Label-free analysis of biomolecular interactions using SPR imaging. BioTechniques, 2011, 50, 32-40.	0.8	79
2128	Nano-Stenciled RGD-Gold Patterns That Inhibit Focal Contact Maturation Induce Lamellipodia Formation in Fibroblasts. PLoS ONE, 2011, 6, e25459.	1.1	27
2129	Nanomaterial strategies for immunodetection. Proceedings of SPIE, 2011, , .	0.8	0
2130	Molecular ion emission from alkanethiol-SAMs by HCI bombardment. Physica Scripta, 2011, T144, 014045.	1.2	2
2131	Cross Coupling on Gold Nanoparticles. Effect of Reinforced Affinity of Organic Group with Bipedal Thiol. Chemistry Letters, 2011, 40, 1450-1452.	0.7	5
2133	Study on Nanoscale Temperature Distribution for the Patterning of Self-Assembled Monolayers Using Near-Field Photothermal Desorption. Journal of Thermal Science and Technology, 2011, 6, 436-448.	0.6	1
2134	Adsorption of organic molecules on the TiO2(011) surface: STM study. Journal of Chemical Physics, 2011, 134, 224701.	1.2	35
2137	Surfaceâ€enhanced vibrational spectroscopy for probing transient interactions of proteins with biomimetic interfaces: electric field effects on structure, dynamics and function of cytochrome <i>c</i> . FEBS Journal, 2011, 278, 1382-1390.	2.2	64
2138	Substrate-mediated nucleic acid delivery from self-assembled monolayers. Trends in Biotechnology, 2011, 29, 119-126.	4.9	31
2139	Cyclic voltammetry on n-alkylphosphonic acid self-assembled monolayer modified large area indium tin oxide electrodes. Thin Solid Films, 2011, 519, 7809-7812.	0.8	6
2140	Experimental and theoretical investigation of the electronic transition of CuSH. Journal of Molecular Spectroscopy, 2011, 268, 23-27.	0.4	10
2141	A modification free hybridization biosensor for detection of DNA sequence based on Zr(IV) ion glue mediated the adsorption on Au–MPA SAM electrode. Sensors and Actuators B: Chemical, 2011, 160, 145-153.	4.0	22
2142	The electrochemical method for detecting 26S proteasome. Sensors and Actuators B: Chemical, 2011, 160, 412-417.	4.0	2
2143	Optical properties of Yeast Cytochrome c monolayer on gold: An in situ spectroscopic ellipsometry investigation. Journal of Colloid and Interface Science, 2011, 364, 125-132.	5.0	31
2144	Dispersibility of organically coated silver nanoparticles in organic media. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 385, 201-205.	2.3	9

#	Article	IF	CITATIONS
2145	Stability: A key issue for self-assembled monolayers on gold as thin-film coatings and nanoparticle protectants. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 390, 1-19.	2.3	184
2146	Keratin capped silver nanoparticles – Synthesis and characterization of a nanomaterial with desirable handling properties. Colloids and Surfaces B: Biointerfaces, 2011, 88, 354-361.	2.5	30
2147	In situ real time monitoring of kinetics of thiol adsorption on gold based on electrochemical steady-state current. Electrochemistry Communications, 2011, 13, 1209-1212.	2.3	5
2148	Sensitive label-free electrochemical DNA hybridization detection in the presence of 11-mercaptoundecanoic acid on the thiolated single strand DNA and mercaptohexanol binary mixed monolayer surface. Electrochimica Acta, 2011, 56, 8147-8155.	2.6	21
2149	Au dissolution during the anodic response of short-chain alkylthiols with polycrystalline Au electrodes. Electrochimica Acta, 2011, 56, 8291-8298.	2.6	12
2150	Catalytic isomerization of allyl alcohols to carbonyl compounds using poisoned Pd nanoparticles. Applied Catalysis A: General, 2011, 405, 137-141.	2.2	42
2151	Phthalocyaninato complexes with peripheral alkylthio chains: Disk-like adsorbate species for the vertical anchoring of ligands onto gold surfaces. Inorganica Chimica Acta, 2011, 374, 302-312.	1.2	20
2152	SAM-based cell transfer to photopatterned hydrogels for microengineering vascular-like structures. Biomaterials, 2011, 32, 7479-7490.	5.7	103
2153	Ultrasensitive electrochemical immunosensor employing glucose oxidase catalyzed deposition of gold nanoparticles for signal amplification. Biosensors and Bioelectronics, 2011, 27, 53-57.	5.3	22
2154	A valuable visual colorimetric and electrochemical biosensor for porphyrin. Biosensors and Bioelectronics, 2011, 27, 172-177.	5.3	6
2155	Multienzyme-nanoparticles amplification for sensitive virus genotyping in microfluidic microbeads array using Au nanoparticle probes and quantum dots as labels. Biosensors and Bioelectronics, 2011, 29, 89-96.	5.3	35
2156	MOF thin films: existing and future applications. Chemical Society Reviews, 2011, 40, 1081.	18.7	1,197
2157	How and Why Nanoparticle's Curvature Regulates the Apparent p <i>K</i> _a of the Coating Ligands. Journal of the American Chemical Society, 2011, 133, 2192-2197.	6.6	208
2158	Miniaturized lensless imaging systems for cell and microorganism visualization in pointâ€ofâ€care testing. Biotechnology Journal, 2011, 6, 138-149.	1.8	84
2159	Self-assembled monolayers (SAMs) of carboxylic acids: an overview. Open Chemistry, 2011, 9, 369-378.	1.0	70
2160	Materials and Transducers Toward Selective Wireless Gas Sensing. Chemical Reviews, 2011, 111, 7315-7354.	23.0	250
2161	Controlling the Position of Functional Groups at the Liquid/Solid Interface: Impact of Molecular Symmetry and Chirality. Journal of the American Chemical Society, 2011, 133, 20942-20950.	6.6	28
2162	Nucleoside-Assisted Self-Assembly of Oligo(<i>p</i> -phenylenevinylene)s at Liquid/Solid Interface: Chirality and Nanostructures. Journal of the American Chemical Society, 2011, 133, 17764-17771.	6.6	48

#	Article	IF	CITATIONS
2163	Differential stress induced by thiol adsorption on facetted nanocrystals. Nature Materials, 2011, 10, 862-866.	13.3	65
2164	Controlling the Synthesis and Assembly of Silver Nanostructures for Plasmonic Applications. Chemical Reviews, 2011, 111, 3669-3712.	23.0	2,410
2165	Strain transfer and inhomogeneous deformation in passivated thin films with mixed texture. Acta Materialia, 2011, 59, 5681-5691.	3.8	3
2166	Surface plasmon resonance in monitoring of complement activation on biomaterials. Advanced Drug Delivery Reviews, 2011, 63, 988-999.	6.6	30
2167	Functionalization of gold surfaces: recent developments and applications. Journal of Materials Science, 2011, 46, 7643-7648.	1.7	23
2168	Imaging and determining friction forces of specific interactions between human IgG and rat anti-human IgG. Journal of Biological Physics, 2011, 37, 417-427.	0.7	4
2169	Inorganic Nanoparticles in Cancer Therapy. Pharmaceutical Research, 2011, 28, 237-259.	1.7	323
2170	Tribological performance of fluoroalkylsilane modification of sol–gel TiO2 coating. Journal of Sol-Gel Science and Technology, 2011, 57, 193-197.	1.1	8
2171	Bionanoconjugates of tyrosinase and peptide-derivatised gold nanoparticles for biosensing of phenolic compounds. Journal of Nanoparticle Research, 2011, 13, 1101-1113.	0.8	19
2172	Multicomponent periodic nanoparticle superlattices. Journal of Nanoparticle Research, 2011, 13, 15-32.	0.8	29
2173	The Effects of Interface Structure and Polymerization on the Friction of Model Self-Assembled Monolayers. Tribology Letters, 2011, 42, 37-49.	1.2	10
2174	Molecular dynamics of the "hydrophobic patch―that immobilizes hydrophobin protein HFBII on silicon. Journal of Molecular Modeling, 2011, 17, 2227-2235.	0.8	16
2175	Differential pulse anodic stripping voltammetric determination of Cd and Pb at a bismuth glassy carbon electrode modified with Nafion, poly(2,5-dimercapto-1,3,4-thiadiazole) and multiwalled carbon nanotubes. Mikrochimica Acta, 2011, 173, 95-102.	2.5	53
2176	A glassy carbon electrode modified with graphene and tyrosinase immobilized on platinum nanoparticles for sensing organophosphorus pesticides. Mikrochimica Acta, 2011, 175, 129-135.	2.5	47
2177	Development of an assay based on cell counting with quantum dot labels for comparing cell adhesion within cocultures. Nano Today, 2011, 6, 20-27.	6.2	31
2178	Formation of uniform ferrocenyl-terminated monolayer covalently bonded to Si using reaction of hydrogen-terminated Si(1 1 1) surface with vinylferrocene/n-decane solution by visible-light excitation. Journal of Colloid and Interface Science, 2011, 361, 259-269.	5.0	16
2179	Amination of surfaces via self-assembly of dopamine. Journal of Colloid and Interface Science, 2011, 362, 127-134.	5.0	28
2180	Gold nanoparticle–fluorophore complex for conditionally fluorescing signal mediator. Analytica Chimica Acta, 2011, 695, 96-104.	2.6	17

ARTICLE IF CITATIONS Interactions of leukocytes and platelets with poly(lysine/leucine) immobilized on tetraethylene 2181 4.1 10 glycol-terminated self-assembled monolayers. Acta Biomaterialia, 2011, 7, 1949-1955. Odorant binding protein based biomimetic sensors for detection of alcohols associated with 5.3 106 Salmonella contamination in packaged beef. Biosensors and Bioelectronics, 2011, 26, 3103-3109. Two-photon photoemission from ex-situ prepared butanethiol SAMs on Au (111). Chemical Physics, 2011, 2183 0.9 3 382, 1-4. Stability of monomolecular films of archaebacterial tetraether lipids on silicon wafers: A comparison of physisorbed and chemisorbed monolayers. Colloids and Surfaces B: Biointerfaces, 2011, 2184 2.5 87, 209-216. Piezoelectric cantilever sensors with asymmetric anchor exhibit picogram sensitivity in liquids. 2185 4.0 41 Sensors and Actuators B: Chemical, 2011, 153, 64-70. Surface-level mechanistic studies of adsorbate–adsorbate interactions in heterogeneous catalysis by 3.8 metals. Surface Science Reports, 2011, 66, 173-184. Unexpected magnetism in gold nanostructures: making gold even more attractive. Gold Bulletin, 2011, 2187 1.1 74 44, 3-13. Metal@Silica yolk-shell nanostructures as versatile bifunctional nanocatalysts. Nano Research, 2011, 2188 5.8 4, 33-49. Preparation of copper net-supported metal-organic framework-5 membranes for solid-state lasers. 2189 4.2 4 Science China Chemistry, 2011, 54, 947-950. Liquid-phase epitaxy of metal organic framework thin films. Science China Chemistry, 2011, 54, 1851-1866. 4.2 Highly active engineered-enzyme oriented monolayers: formation, characterization and sensing 2191 4.2 15 applications. Journal of Nanobiotechnology, 2011, 9, 26. Evaluating interaction forces between BSA and rabbit anti-BSA in sulphathiazole sodium, tylosin and 3.1 levofloxacin solution by AFM. Nanoscale Research Letters, 2011, 6, 579. Photocurrent generation through peptideâ€based selfâ€assembled monolayers on a gold surface: antenna 2193 0.8 25 and junction effects. Journal of Peptide Science, 2011, 17, 124-131. Diamond electrolyte solution gate FETs for DNA and protein sensors using DNA/RNA aptamers. Physica 2194 0.8 54 Status Solidi (A) Ápplications and Materials Science, 2011, 208, 2005-2016. Synthesis and selfâ€assembly of thermotropic block copolymer with long alkyl tethered cage 2195 2.527 silsesquioxane in the side chain. Journal of Polymer Science Part A, 2011, 49, 2653-2664. Formation and electrochemical desorption of selfâ€assembled monolayers as studied by ToFâ€6IMS. Surface and Interface Analysis, 2011, 43, 993-997. Surface anchoring of a chiral salen macrocycle on a carboxyâ€functionalized platform via a multiple 2197 0.8 1 site esterification. Surface and Interface Analysis, 2011, 43, 1095-1098. Infrared spectroscopic ellipsometry (IRSE) and Xâ€ray photoelectron spectroscopy (XPS) monitoring the 2198 preparation of maleimideâ€functionalized surfaces: from Au towards Si (111). Surface and Interface Analysis, 2011, 43, 1203-1210.

#	Article	IF	CITATIONS
2199	Mechanically Stacked 1â€nmâ€Thick Carbon Nanosheets: Ultrathin Layered Materials with Tunable Optical, Chemical, and Electrical Properties. Small, 2011, 7, 874-883.	5.2	54
2200	Thinâ€Filmâ€Based Nanoarchitectures for Soft Matter: Controlled Assemblies into Twoâ€Dimensional Worlds. Small, 2011, 7, 1288-1308.	5.2	169
2201	Tuning Stamp Surface Energy for Soft Lithography of Polar Molecules to Fabricate Bioactive Smallâ€Molecule Microarrays. Small, 2011, 7, 1471-1479.	5.2	23
2202	Mixedâ€Ligand Nanoparticles as Supramolecular Receptors. Small, 2011, 7, 1961-1966.	5.2	35
2203	Beauty is Skin Deep: A Surface Monolayer Perspective on Nanoparticle Interactions with Cells and Bioâ€macromolecules. Small, 2011, 7, 1903-1918.	5.2	83
2204	Nanoparticle–Loaded Aerogels and Layered Aerogels Cast from Sol–Gel Mixtures. Small, 2011, 7, 2568-2572.	5.2	10
2205	Large Array of Subâ€10â€nm Singleâ€Grain Au Nanodots for use in Nanotechnology. Small, 2011, 7, 2607-2613.	5.2	31
2206	Programmable Chemical Gradient Patterns by Soft Grayscale Lithography. Small, 2011, 7, 3350-3362.	5.2	9
2207	Image Printing on the Surface of Antiâ \in Biofouling Zwitterionic Polymer Brushes by Ion Beam Irradiation. Macromolecular Bioscience, 2011, 11, 557-564.	2.1	27
2208	A Generalized Mechanism for Ligandâ€Induced Dipolar Assembly of Plasmonic Gold Nanoparticle Chain Networks. Advanced Functional Materials, 2011, 21, 851-859.	7.8	82
2209	Rapid Roomâ€Temperature Synthesis of Metal–Organic Framework HKUSTâ€I Crystals in Bulk and as Oriented and Patterned Thin Films. Advanced Functional Materials, 2011, 21, 1442-1447.	7.8	225
2210	Generation of Amphiphilic Janus Bubbles and Their Behavior at an Air–Water Interface. Advanced Functional Materials, 2011, 21, 3924-3931.	7.8	59
2211	Ferromagnetic Cobalt Nanoparticles and Their Immobilization on Monomolecular Films and Chemical Templates. Advanced Functional Materials, 2011, 21, 4724-4735.	7.8	11
2212	Combination of Graphene Oxide and Thiolâ€Activated DNA Metallization for Sensitive Fluorescence Turnâ€On Detection of Cysteine and Their Use for Logic Gate Operations. Advanced Functional Materials, 2011, 21, 4565-4572.	7.8	127
2213	A New Approach for Molecular Electronic Junctions with a Multilayer Graphene Electrode. Advanced Materials, 2011, 23, 755-760.	11.1	171
2214	Spinâ€Cast and Patterned Organophosphonate Selfâ€Assembled Monolayer Dielectrics on Metalâ€Oxideâ€Activated Si. Advanced Materials, 2011, 23, 1899-1902.	11.1	70
2215	Reconfigurable Selfâ€Assembly of Mesoscale Optical Components at a Liquid–Liquid Interface. Advanced Materials, 2011, 23, 2413-2418.	11.1	29
2216	Microfluidic Chips for Pointâ€of are Immunodiagnostics. Advanced Materials, 2011, 23, H151-76.	11.1	415

#	Article	IF	CITATIONS
2217	Tailored Microcrystal Growth: A Facile Solutionâ€Phase Synthesis of Gold Rings. Advanced Materials, 2011, 23, 4431-4434.	11.1	12
2221	Efficient Synthetic Approaches To Access Ruthenium(II) Complexes with 2-(Trimethylsilyl)ethyl- or Acetyl-Protected Terpyridine-Thiols. European Journal of Inorganic Chemistry, 2011, 2011, 1784-1791.	1.0	8
2222	Synthesis of <i>S</i> â€Acetyl Oligoâ€ <i>p</i> â€aryleneethynylene Tetrathiols. European Journal of Organic Chemistry, 2011, 2011, 529-537.	1.2	9
2223	Molecular and Supramolecular Architectures of Organic Semiconductors for Fieldâ€Effect Transistor Devices and Sensors: A Synthetic Chemical Perspective. European Journal of Organic Chemistry, 2011, 2011, 423-450.	1.2	79
2224	Modular Synthesis of Bifunctional Linkers for Materials Science. European Journal of Organic Chemistry, 2011, 2011, 1641-1644.	1.2	9
2225	Impedimetric Detection of Hairpin Ribozyme Activity. Electroanalysis, 2011, 23, 37-42.	1.5	2
2226	In Situ Self Assembly of Thiolated <i>ortho</i> â€Quinone Capped Electrocatalysts for Bioanalytical Applications. Electroanalysis, 2011, 23, 2275-2279.	1.5	13
2227	Oddâ€Even Effects in Ionâ€Beamâ€Induced Desorption of Biphenylâ€Substituted Alkanethiol Selfâ€Assembled Monolayers. ChemPhysChem, 2011, 12, 140-144.	1.0	12
2228	Steric and Chain Length Effects in the (\${sqrt {(3)} }\$×\${sqrt {(3)} }\$) <i>R</i> 30° Structures of Alkanethiol Selfâ€Assembled Monolayers on Au(111). ChemPhysChem, 2011, 12, 999-1009.	1.0	35
2229	Impact of the Nanoscale Organization of Nitroxyl Mixed Self-Assembled Monolayers on their Electrocatalytic Behaviour. ChemPhysChem, 2011, 12, 769-771.	1.0	5
2230	<i>p</i> â€Nitrobenzoic Acid Adsorption on Nanostructured Gold Surfaces Investigated by Combined Experimental and Computational Approaches. ChemPhysChem, 2011, 12, 2485-2495.	1.0	8
2231	lonâ€Beamâ€Induced Desorption as a Method for Probing the Stability of the Moleculeâ€Substrate Interface in Selfâ€Assembled Monolayers. ChemPhysChem, 2011, 12, 2554-2557.	1.0	8
2232	Design and synthesis of Raman reporter molecules for tissue imaging by immuno‣ERS microscopy. Journal of Biophotonics, 2011, 4, 453-463.	1.1	33
2233	Probing orientation of immobilized humanized anti″ysozyme variable fragment by timeâ€ofâ€flight secondaryâ€ion mass spectrometry. Journal of Biomedical Materials Research - Part A, 2011, 97A, 1-7.	2.1	25
2234	Effect of surface chemistry on bacterial adhesion, viability, and morphology. Journal of Biomedical Materials Research - Part A, 2011, 99A, 344-353.	2.1	49
2240	Highlyâ€Ordered Covalent Anchoring of Carbon Nanotubes on Electrode Surfaces by Diazonium Salt Reactions. Angewandte Chemie - International Edition, 2011, 50, 3457-3461.	7.2	35
2241	Tailoring the Selectivity and Stability of Chemically Modified Platinum Nanocatalysts To Design Highly Durable Anodes for PEM Fuel Cells. Angewandte Chemie - International Edition, 2011, 50, 5468-5472.	7.2	70
2242	Claisen Rearrangement of Graphite Oxide: A Route to Covalently Functionalized Graphenes. Angewandte Chemie - International Edition, 2011, 50, 8848-8852.	7.2	87

#	Article	IF	CITATIONS
2243	Activation of Thiols at a Silver Nanoparticle Surface. Angewandte Chemie - International Edition, 2011, 50, 6622-6625.	7.2	90
2244	Facile Fabrication of Metallic Nanostructures by Tunable Cracking and Transfer Printing. Angewandte Chemie - International Edition, 2011, 50, 12478-12482.	7.2	25
2245	Thiolate Chemistry: A Powerful and Versatile Synthetic Tool for Immobilization/Functionalization of Oligothiophenes on a Gold Surface. Chemistry - A European Journal, 2011, 17, 5628-5640.	1.7	11
2246	Chemical Surface Modification of Selfâ€Assembled Monolayers by Radical Nitroxide Exchange Reactions. Chemistry - A European Journal, 2011, 17, 9107-9112.	1.7	27
2247	A Biomimetic Principle for the Chemical Modification of Metal Surfaces: Synthesis of Tripodal Catecholates as Analogues of Siderophores and Mussel Adhesion Proteins. Chemistry - A European Journal, 2011, 17, 8596-8603.	1.7	26
2248	Photoactivatable Caged Cyclic RGD Peptide for Triggering Integrin Binding and Cell Adhesion to Surfaces. ChemBioChem, 2011, 12, 2623-2629.	1.3	66
2249	EXAFS in total reflection (reflEXAFS) for the study of organometallic Pd(II) thiol complexes based self-assembled monolayers on gold. Chemical Physics, 2011, 379, 92-98.	0.9	16
2250	Toward immunoassay chips: Facile immobilization of antibodies on cyclic olefin copolymer substrates through pre-activated polymer adlayers. Biosensors and Bioelectronics, 2011, 26, 3967-3972.	5.3	34
2251	Sensitive detection of an Anthrax biomarker using a glassy carbon electrode with a consecutively immobilized layer of polyaniline/carbon nanotube/peptide. Biosensors and Bioelectronics, 2011, 26, 4227-4230.	5.3	42
2252	Assembly of strands of multiwall carbon nanotubes and gold nanoparticles using alkanedithiols. Carbon, 2011, 49, 487-494.	5.4	9
2253	Amphiphilic gold nanoparticles: Synthesis, characterization and adsorption to PEGylated polymer surfaces. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 374, 13-21.	2.3	20
2254	Synthesis of PSS-capped triangular silver nanoplates with tunable SPR. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 380, 257-260.	2.3	17
2255	Adhesion force spectroscopy of model surfaces with wettability gradient. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 380, 175-181.	2.3	9
2256	Investigation of the redox property of a metalloprotein layer self-assembled on various chemical linkers. Colloids and Surfaces B: Biointerfaces, 2011, 87, 36-41.	2.5	9
2257	Direct detection of acetylcholinesterase inhibitor binding with an enzyme-based surface plasmon resonance sensor. Analytical Biochemistry, 2011, 408, 212-219.	1.1	48
2258	Insight into STM image contrast of n-tetradecane and n-hexadecane molecules on highly oriented pyrolytic graphite. Applied Surface Science, 2011, 257, 3243-3247.	3.1	15
2259	A contact angle and ToF-SIMS study of SAM–thiol interactions on polycrystalline gold. Applied Surface Science, 2011, 257, 4038-4043.	3.1	8
2260	Effects of non-flat contact and interference on self-assembled monolayers under sliding friction. Applied Surface Science, 2011, 257, 4123-4128.	3.1	5

#	Article	IF	CITATIONS
2261	Investigation of oxidation inhibition properties of vaporized self-assembled multilayers on copper nanopowders. Applied Surface Science, 2011, 257, 5115-5120.	3.1	21
2262	Stability of phosphonic self assembled monolayers (SAMs) on cobalt chromium (Co–Cr) alloy under oxidative conditions. Applied Surface Science, 2011, 257, 5605-5612.	3.1	33
2263	Localized grafting through chemical lift-off. Applied Surface Science, 2011, 257, 7805-7812.	3.1	5
2264	Structure of the methylthiolate monolayer on Ag (111): The role of substrate vacancies. Chemical Physics Letters, 2011, 503, 71-74.	1.2	5
2265	Surface-enhanced Raman scattering (SERS) spectroscopy of enantiomeric and racemic methionine on a silver electrode-evidence for chiral discrimination in interactions between adsorbed molecules. Chemical Physics Letters, 2011, 509, 58-61.	1.2	23
2266	Au/Pt nanoparticle systems in methanol and carbon monoxide electroxidation. Electrochimica Acta, 2011, 56, 3673-3678.	2.6	18
2267	Fabrication of conducting polymer-gold nanoparticles film on electrodes using monolayer protected gold nanoparticles and its electrocatalytic application. Electrochimica Acta, 2011, 56, 7029-7037.	2.6	37
2268	Exploiting bacterial peptide display technology to engineer biomaterials for neural stem cell culture. Biomaterials, 2011, 32, 1484-1494.	5.7	37
2269	Study of the combination of the deposition/stripping of sacrificial metal nano-structures and alkanethiol as a route for genosensor surface preparation. Electrochemistry Communications, 2011, 13, 325-327.	2.3	1
2270	Studying the localized deposition of Ag nanoparticles on self-assembled monolayers by scanning electrochemical microscopy (SECM). Electrochimica Acta, 2011, 56, 6954-6961.	2.6	23
2271	Semi-crystalline poly(ε-caprolactone) brushes on gold substrate via "grafting from―method: New insights with AFM characterization. European Polymer Journal, 2011, 47, 31-39.	2.6	17
2272	Preparation of Amperometric Glucose Biosensor Based on 4-Mercaptobenzoic Acid. Physics Procedia, 2011, 14, 2-6.	1.2	9
2273	Binary self-assembled monolayers: Apparent exponential dependence of resistance on average molecular length. Organic Electronics, 2011, 12, 857-864.	1.4	20
2274	Control of junction resistances in molecular electronic devices fabricated by FIB. Microelectronic Engineering, 2011, 88, 2629-2631.	1.1	11
2275	Fabrication of Metal–Insulator–Metal Junction with Metallic Conductive Langmuir–Blodgett Films. Physics Procedia, 2011, 14, 134-138.	1.2	6
2276	Electrochemical desorption of self-assembled monolayers and its applications in surface chemistry and cell biology. Journal of Electroanalytical Chemistry, 2011, 656, 223-230.	1.9	22
2277	A novel N,N′-[1,1′-Dithiobis(phenyl)] bis(salicylaldimine) self-assembled gold electrode for determination of dopamine in the presence of high concentration of ascorbic acid. Journal of Electroanalytical Chemistry, 2011, 653, 75-80.	1.9	22
2278	Durable Cu corrosion inhibition in acidic solution by SAMs of Benzenethiol. Journal of Electroanalytical Chemistry, 2011, 657, 192-195.	1.9	16

#	Article	IF	Citations
2279	Tuning the surface potential of Ag surfaces by chemisorption of oppositely-oriented thiolated carborane dipoles. Journal of Colloid and Interface Science, 2011, 354, 168-174.	5.0	29
2280	Fabrication of silver-coated silica microspheres through mussel-inspired surface functionalization. Journal of Colloid and Interface Science, 2011, 358, 567-574.	5.0	96
2281	Preparation and characterization of DNA films using oleylamine modified Au surfaces. Journal of Colloid and Interface Science, 2011, 358, 626-634.	5.0	36
2282	Developing a self-assembled monolayer microarray to study stem cell differentiation. Journal of Colloid and Interface Science, 2011, 360, 325-330.	5.0	6
2283	QCM study of the adsorption of polyelectrolyte covered mesoporous TiO2 nanocontainers on SAM modified Au surfaces. Journal of Colloid and Interface Science, 2011, 362, 180-187.	5.0	18
2284	3D porous polymeric conductive material prepared using LbL deposition. Polymer, 2011, 52, 718-731.	1.8	25
2285	Olfactory receptor based piezoelectric biosensors for detection of alcohols related to food safety applications. Sensors and Actuators B: Chemical, 2011, 155, 8-18.	4.0	86
2286	Gold nano-islands on FTO as plasmonic nanostructures for biosensors. Sensors and Actuators B: Chemical, 2011, 152, 206-213.	4.0	25
2287	Sensing of lead ions using glutathione mediated end to end assembled gold nanorod chains. Sensors and Actuators B: Chemical, 2011, 156, 791-797.	4.0	49
2288	Tethered DNA scaffolds on optical sensor platforms for detection of hipO gene from Campylobacter jejuni. Sensors and Actuators B: Chemical, 2011, 156, 304-311.	4.0	29
2289	Surface-induced thermal decomposition of [Ru(dcbpyH)2-(CN)2] on nanocrystalline TiO2 surfaces: Temperature-dependent infrared spectroscopy and two-dimensional correlation analysis. Solar Energy Materials and Solar Cells, 2011, 95, 326-331.	3.0	19
2290	Disorder, solvent effects and substitutional self-assembly of alkane dithiols from alkane thiol SAMs. Surface Science, 2011, 605, 116-120.	0.8	16
2291	Single layer gold islands at the interface between a self-assembled monolayer and the Au(111) substrate: A high-resolution STM study. Surface Science, 2011, 605, 1016-1020.	0.8	6
2292	In-situ monitoring of alkanethiol self-assembled monolayer chemisorption with combined spectroscopic ellipsometry and quartz crystal microbalance techniques. Thin Solid Films, 2011, 519, 2817-2820.	0.8	30
2293	Studies on the effect of solvents on self-assembly of thioctic acid and Mercaptohexanol on gold. Thin Solid Films, 2011, 519, 4225-4233.	0.8	8
2294	Control of molecule-based transport for future molecular devices. Journal of Physics Condensed Matter, 2011, 23, 013001.	0.7	68
2295	Phosphine-Gold(I) Compounds as Anticancer Agents: General Description and Mechanisms of Action. Anti-Cancer Agents in Medicinal Chemistry, 2011, 11, 921-928.	0.9	84
2296	Applications and challenges of plasma processes in nanobiotechnology. Journal Physics D: Applied Physics, 2011, 44, 174017.	1.3	7

#	Article	IF	CITATIONS
2297	Fine tuning of the electronic structure of π-conjugated molecules for molecular electronics. Nanotechnology, 2011, 22, 145701.	1.3	10
2298	Creation of stable molecular junctions with a custom-designed scanning tunneling microscope. Nanotechnology, 2011, 22, 485703.	1.3	25
2299	Cancer Nanotechnology: Emerging Role of Gold Nanoconjugates. Anti-Cancer Agents in Medicinal Chemistry, 2011, 11, 965-973.	0.9	32
2300	Active and Non-Active Large-Area Metal–Molecules–Metal Junctions. Topics in Current Chemistry, 2011, 313, 85-119.	4.0	11
2301	Fragmentation and reactivity in collisions of protonated diglycine with chemically modified perfluorinated alkylthiolate-self-assembled monolayer surfaces. Journal of Chemical Physics, 2011, 134, 094106.	1.2	37
2302	Reverse Self-Assembly: (111)-Oriented Gold Crystallization at Alkylthiol Monolayer Templates. Physical Review Letters, 2011, 107, 115503.	2.9	12
2303	Self-Assembly of Amine Terminated Alkylthiol and Alkyldithiol Films on a Polycrystalline Copper Substrate. Journal of the Electrochemical Society, 2011, 158, P100.	1.3	14
2304	Deep UV patterning of 3-amino-propyl-triethoxy-silane self-assembled molecular layers on alumina. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2011, 29, 041603.	0.6	6
2305	Detection of hyaluronic acid on a functionalized surface enhanced raman scattering substrate. , 2011, , .		0
2306	Molecular simulation of interaction between passivated gold nanoparticles in supercritical CO2. Journal of Chemical Physics, 2011, 135, 204703.	1.2	18
2307	Physicochemical regulation of biofilm formation. MRS Bulletin, 2011, 36, 347-355.	1.7	457
2308	A new x-ray interface and surface scattering environmental cell design for <i>in situ</i> studies of radioactive and atmosphere-sensitive samples. Review of Scientific Instruments, 2011, 82, 075105.	0.6	10
2309	Nano scale Titania thin film morphology and optical study on patterns of self-assembled monolayers. , 2011, , .		0
2310	Dynamic information for cardiotoxin protein desorption from a methyl-terminated self-assembled monolayer using steered molecular dynamics simulation. Journal of Chemical Physics, 2011, 134, 194705.	1.2	17
2311	Surface melting and recrystallization of a self-assembled octanethiol monolayer on Au(111). Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2011, 29, 021011.	0.9	6
2312	Growing large nanostructured superlattices from a continuum medium by sequential activation of self-assembly. Physical Review E, 2011, 83, 041610.	0.8	2
2313	A three-layer model of self-assembly induced surface-energy variation experimentally extracted by using nanomechanically sensitive cantilevers. Nanotechnology, 2011, 22, 045501.	1.3	0
2314	Synthesis and Antimicrobial Activity of Novel 3-Benzyloxy-4-Substituted-2- Azetidinones: Formation of a Hydrophobic Layer Via a Self-Organization Effect. Phosphorus, Sulfur and Silicon and the Related Elements, 2011, 186, 1932-1947.	0.8	1

#	Article	IF	CITATIONS
2315	Nanostructure formation by self-assembled monolayers: influence of the isomerization state of azobenzene ligands on monolayer formation. Proceedings of SPIE, 2011, , .	0.8	0
2316	Microphase-separated block copolymer film anchored on ITO substrate with newly designed self-assembled monolayer. Materials Research Society Symposia Proceedings, 2011, 1302, 8001.	0.1	0
2317	Unimolecular Electronic Devices. Topics in Current Chemistry, 2011, 313, 39-84.	4.0	23
2318	Study of Pt Nanoparticles Protected by 1-Dodecanethiol Self-Assembled Films on Iron Surface Using Electrochemical Methods,UV-Vis and XPS Measurements. Advanced Materials Research, 0, 239-242, 273-278.	0.3	0
2319	Hydraulically actuated micro-contact printing engines. Journal of Micromechanics and Microengineering, 2011, 21, 085013.	1.5	3
2320	Electrochemically directed two-component monolayers on gold. Journal of Materials Research, 2011, 26, 262-267.	1.2	2
2321	A Molecular Dynamics Study on Heat Transfer Characteristics Over the Interface of Self-Assembled Monolayer and Water Solvent. , 2011, , .		0
2322	Cancer Targeted Metallic Nanoparticle: Targeting Overview, Recent Advancement and Toxicity Concern. Current Pharmaceutical Design, 2011, 17, 1834-1850.	0.9	80
2323	Enhancing Cu-Cu Diffusion Bonding at Low Temperature Via Application of Self-assembled Monolayer Passivation. Journal of the Electrochemical Society, 2011, 158, H1057.	1.3	19
2324	Click Chemistry on Nano-Surfaces. Current Organic Chemistry, 2011, 15, 3667-3691.	0.9	32
2327	Interaction of biosynthesized gold nanoparticles with genomic DNA isolated from E. coli and S. aureus. , 2011, , .		0
2328	Nanofabrication techniques for controlled drug-release devices. Nanomedicine, 2011, 6, 1-6.	1.7	23
2329	Nanostructured substrate fabricated by sectioning tendon using a microtome for tissue engineering. Nanotechnology, 2011, 22, 494008.	1.3	12
2330	Bio-inspired strategy for on-surface synthesis of silver nanoparticles for metal/organic hybrid nanomaterials and LDI-MS substrates. Nanotechnology, 2011, 22, 494020.	1.3	65
2331	Sensitivity Enhancement for Quantitative Electrochemical Determination of a Trace Amount of Accelerator in Copper Plating Solutions. Journal of the Electrochemical Society, 2011, 158, D290.	1.3	23
2332	Nitrogen Substituted Phenothiazine Derivatives: Modelling of Molecular Self-Assembling. International Journal of Molecular Sciences, 2011, 12, 3102-3116.	1.8	5
2333	Effect of morphology of thin DNA films on the electron stimulated desorption of anions. Journal of Chemical Physics, 2011, 134, 015102.	1.2	14
2334	Biotechnology Applications of Tethered Lipid Bilayer Membranes. Materials, 2012, 5, 2637-2657.	1.3	101

#	Article	IF	CITATIONS
2335	Skin-like self-assembled monolayers on InAs/GaSb superlattice photodetectors. Journal Physics D: Applied Physics, 2012, 45, 365102.	1.3	17
2336	Fine Particles in Medicine and Pharmacy. , 2012, , .		9
2337	Charge trapping at organic/self-assembly molecule interfaces studied by electrical switching behaviour in a crosspoint structure. Journal Physics D: Applied Physics, 2012, 45, 025304.	1.3	1
2338	Nanoporous ZnO Photoelectrode for Dye-Sensitized Solar Cell. Journal of Nanomaterials, 2012, 2012, 1-7.	1.5	24
2339	Conventional Nanoindentation in Self-Assembled Monolayers Deposited on Gold and Silver Substrates. Journal of Nanomaterials, 2012, 2012, 1-5.	1.5	3
2340	Orientation-controlled parallel assembly at the air–water interface. Journal of Micromechanics and Microengineering, 2012, 22, 105028.	1.5	8
2341	Mixed self-assembled monolayers of azobenzene photoswitches with trifluoromethyl and cyano end groups. Journal of Physics Condensed Matter, 2012, 24, 394015.	0.7	14
2342	Ambient Atmospheric Stability of Organic Thin Films on Metal Alloys. ECS Transactions, 2012, 41, 61-65.	0.3	2
2343	Electronic structure of the ll-cysteine dimers adsorbed on Au(111): a density functional theory study. Physica Scripta, 2012, 86, 035707.	1.2	13
2344	Solution-based adaptive parallel patterning by laser-induced local plasmonic surface defunctionalization. Optics Express, 2012, 20, 29111.	1.7	5
2345	Microwave-assisted one-step patterning of aqueous colloidal silver. Nanotechnology, 2012, 23, 265302.	1.3	0
2346	Ultra-low voltage, organic thin film transistors fabricated on plastic substrates by a highly reproducible process. Applied Physics Letters, 2012, 100, .	1.5	68
2347	Patterned-wettability-induced alteration of electro-osmosis over charge-modulated surfaces in narrow confinements. Physical Review E, 2012, 85, 046304.	0.8	40
2348	Electrochemical biosensors for medical applications. , 2012, , 3-40.		21
2349	Catalytic CSe Bond Formation under Very Mild Conditions for the Two‣tep, Oneâ€Pot Synthesis of Aryl Selenoacetates. Advanced Synthesis and Catalysis, 2012, 354, 2653-2658.	2.1	11
2350	Electronic properties of individual diarylethene molecules studied using scanning tunneling spectroscopy. Journal of Applied Physics, 2012, 111, .	1.1	9
2351	Spontaneous propagation of self-assembly in a continuous medium. Physical Review E, 2012, 85, 041124.	0.8	2
2352	Probing redox proteins on a gold surface by single molecule fluorescence spectroscopy. Journal of Chemical Physics, 2012, 136, 235101.	1.2	10

#	Article	IF	CITATIONS
2353	An array of surfaceâ€enhanced Raman scattering substrates based on plasmonic lenses. Annalen Der Physik, 2012, 524, 663-669.	0.9	3
2354	MOLECULAR TEMPLATES FOR CONTROLLING AND ORDERING ORGANIC MOLECULES ON SOLID SURFACES. Nano, 2012, 07, 1230001.	0.5	3
2355	Synthesis of novel nucleobase-terminated organosilane and its self-assembly on a substrate. Polymer Journal, 2012, 44, 625-631.	1.3	2
2356	Theoretical Study of Alkanedithiolated Gold Clusters. Materials Research Society Symposia Proceedings, 2012, 1371, 91.	0.1	Ο
2357	Synthesis and characterisation of organic-modified inorganic nanorods. Journal of Experimental Nanoscience, 2012, 7, 673-687.	1.3	1
2358	Atomistic Mechanism of Carbon Nanostructure Self-Assembly as Predicted by Nonequilibrium QM/MD Simulations. , 2012, , 103-172.		5
2359	Molecular tilt on monolayer-protected nanoparticles. Europhysics Letters, 2012, 97, 36005.	0.7	6
2360	Vibrational Stark Effect of the Electric-Field Reporter 4-Mercaptobenzonitrile as a Tool for Investigating Electrostatics at Electrode/SAM/Solution Interfaces. International Journal of Molecular Sciences, 2012, 13, 7466-7482.	1.8	59
2361	Non-Destructive Harvesting of Biogenic Gold Nanoparticles from Jatropha curcas Seed Meal and Shell Extracts and their Application as Bio-Diagnostic Photothermal Ablaters-Lending Shine to the Biodiesel Byproducts. Nanomaterials and the Environment, 2012, 1, .	0.3	2
2362	Surface Characterization Studies of Thiols as a Blocking Mechanism for Specific Adsorption for Application of Charge Selective Membrane Transport. , 2012, , .		Ο
2363	Study of Insulating Properties of Alkanethiol Self-Assembled Monolayers Formed Under Prolonged Incubation Using Electrochemical Impedance Spectroscopy. Journal of Nanotechnology in Engineering and Medicine, 2012, 3, .	0.8	12
2364	A proton shelter inspired by the sugar coating of acidophilic archaea. Scientific Reports, 2012, 2, 892.	1.6	21
2365	Surface Modification of a <i>n</i> -Si(111) Electrode through Aldehyde Grafting and Subsequent Metallization: Theory and Experiment. Zeitschrift Fur Physikalische Chemie, 2012, 226, 1039-1048.	1.4	0
2366	Surface irradiation and materials processing using polyatomic cluster ion beams. Journal of Materials Research, 2012, 27, 806-821.	1.2	18
2368	Probing the switching state of a surface-mounted azobenzene derivative using femtosecond XUV photoemission. Proceedings of SPIE, 2012, , .	0.8	0
2371	Electrochemical and Photophysical Study in Solution and on Ruthenium(II) Polypyridyl Complexes Containing Thiophenylethynylphenanthrolines Self-assembled on Gold Surfaces. Chemistry Letters, 2012, 41, 1417-1419.	0.7	2
2372	Inkjet-Printed Gold Electrodes on Paper: Characterization and Functionalization. ACS Applied Materials & Materials	4.0	112
2373	Disentangling the Peak and Background Signals in Surface-Enhanced Raman Scattering. Journal of Physical Chemistry C, 2012, 116, 6184-6190.	1.5	22

#	Article	IF	CITATIONS
2374	Silane Layers on Silicon Surfaces: Mechanism of Interaction, Stability, and Influence on Protein Adsorption. Langmuir, 2012, 28, 656-665.	1.6	189
2375	Molecular-Scale and Wide-Energy-Range Tunneling Spectroscopy on Self-Assembled Monolayers of Alkanethiol Molecules. ACS Nano, 2012, 6, 8728-8734.	7.3	33
2376	Low-Energy Ionic Collisions at Molecular Solids. Chemical Reviews, 2012, 112, 5356-5411.	23.0	107
2377	Modifying the Atomic and Electronic Structures of Gold Nanocrystals via Changing the Chain Length of <i>n</i> -Alkanethiol Ligands. Journal of Physical Chemistry C, 2012, 116, 24999-25003.	1.5	16
2378	High integration density capacitors directly integrated in a single copper layer of printed circuit boards. IEEE Transactions on Dielectrics and Electrical Insulation, 2012, 19, 298-304.	1.8	13
2379	Molecularly Resolved Images of Peptide-Functionalized Gold Surfaces by Scanning Tunneling Microscopy. Journal of the American Chemical Society, 2012, 134, 19354-19357.	6.6	21
2380	Dynamic combinatorial chemistry as a tool for the design of functional materials and devices. Chemical Society Reviews, 2012, 41, 1031-1049.	18.7	249
2381	Playing with organic radicals as building blocks for functional molecular materials. Chemical Society Reviews, 2012, 41, 303-349.	18.7	727
2382	Optimizing the Quality of Monoreactive Perfluoroalkylsilane-Based Self-Assembled Monolayers. Langmuir, 2012, 28, 11790-11801.	1.6	17
2383	Thiocarbonyl polyenes: monomers, trimers and thiopyrans. Tetrahedron Letters, 2012, 53, 6822-6825.	0.7	4
2384	Complex Surface Chemistry of 4-Mercaptopyridine Self-Assembled Monolayers on Au(111). Langmuir, 2012, 28, 6839-6847.	1.6	45
2385	Diamondoid coating enables disruptive approach for chemical and magnetic imaging with 10 nm spatial resolution. Applied Physics Letters, 2012, 101, .	1.5	17
2386	Effect of Droplet Morphology on Growth Dynamics and Heat Transfer during Condensation on Superhydrophobic Nanostructured Surfaces. ACS Nano, 2012, 6, 1776-1785.	7.3	514
2387	Green Synthesis of Robust, Biocompatible Silver Nanoparticles Using Garlic Extract. Journal of Nanomaterials, 2012, 2012, 1-12.	1.5	92
2388	An Unconventional Role of Ligand in Continuously Tuning of Metal–Metal Interfacial Strain. Journal of the American Chemical Society, 2012, 134, 2004-2007.	6.6	186
2389	Stimuli-responsive polymers and nanomaterials for gene delivery and imaging applications. Advanced Drug Delivery Reviews, 2012, 64, 1046-1059.	6.6	353
2390	A two step process to form organothiol self-assembled monolayers on nickel surfaces. Thin Solid Films, 2012, 522, 247-253.	0.8	14
2391	Evolving Trends in Transition Metal-Modified Receptor Design and Function. Springer Series on Chemical Sensors and Biosensors, 2012, , 239-259.	0.5	0

#	Article	IF	CITATIONS
2392	Antibody Oriented Immobilization on Gold using the Reaction between Carbon Disulfide and Amine Groups and Its Application in Immunosensing. Langmuir, 2012, 28, 17718-17725.	1.6	36
2393	pH Effect on Protein G Orientation on Gold Surfaces and Characterization of Adsorption Thermodynamics. Langmuir, 2012, 28, 6928-6934.	1.6	33
2394	Photoswitching of Azobenzene-Functionalized Molecular Platforms on Au Surfaces. Journal of Physical Chemistry C, 2012, 116, 25943-25948.	1.5	55
2395	Thiolate-Protected Nanoparticles via Organic Xanthates: Mechanism and Implications. ACS Nano, 2012, 6, 10855-10861.	7.3	16
2396	Well-Ordered Wrinkling Patterns on Chemically Oxidized Poly(dimethylsiloxane) Surfaces. Macromolecules, 2012, 45, 7128-7134.	2.2	50
2397	Gold nanoparticles for specific extraction and enrichment of biomolecules and environmental pollutants. Reviews in Analytical Chemistry, 2012, 31, .	1.5	18
2398	Phenylboronic Ester- and Phenylboronic Acid-Terminated Alkanethiols on Gold Surfaces. Journal of Physical Chemistry C, 2012, 116, 796-806.	1.5	12
2399	Scale Dependence of the Orientation and Conformation Distribution Analysis of a Molecular Monolayer Using Sum Frequency Generation Imaging Microscopy. Journal of Physical Chemistry C, 2012, 116, 25874-25887.	1.5	11
2400	SANS and SAXS Analysis of Charged Nanoparticle Adsorption at Oil–Water Interfaces. Langmuir, 2012, 28, 2493-2501.	1.6	45
2401	Nano sized clay detected on chalk particle surfaces. Geochimica Et Cosmochimica Acta, 2012, 99, 57-70.	1.6	39
2402	<scp>l</scp> -Cysteine Interaction with Au ₅₅ Nanoparticle. Journal of Physical Chemistry C, 2012, 116, 25816-25823.	1.5	42
2403	Formation Mechanism, Patterning, and Physical Properties of Gold-Nanoparticle Films Assembled by an Interaction-Controlled Centrifugal Method. Journal of Physical Chemistry C, 2012, 116, 8095-8101.	1.5	22
2404	Plasmon-Tuned Silver Colloids for SERRS Analysis of Methemoglobin with Preserved Nativity. Langmuir, 2012, 28, 14357-14363.	1.6	20
2405	Electric-Field Dependent Conformations of Single DNA Molecules on a Model Biosensor Surface. Nano Letters, 2012, 12, 5255-5261.	4.5	31
2406	Sensing using localised surface plasmon resonance sensors. Chemical Communications, 2012, 48, 8999.	2.2	266
2407	<i>InÂvitro</i> cytotoxicity and <i>inÂvivo</i> sub-acute oral toxicity assessment of porphyran reduced gold nanoparticles. Toxicological and Environmental Chemistry, 2012, 94, 1357-1367.	0.6	22
2410	DNA Selfâ€Assembly of Targeted Nearâ€Infraredâ€Responsive Gold Nanoparticles for Cancer Thermo hemotherapy. Angewandte Chemie - International Edition, 2012, 51, 11853-11857.	7.2	299
2411	Enzymatic Amine Acyl Exchange in Peptides on Gold Surfaces. Angewandte Chemie - International Edition, 2012, 51, 13016-13018.	7.2	11

#	ARTICLE A Chiral Selfâ€Assembled Monolayer Derived from a Resolving Agent and its Performance as a	IF	CITATIONS
2412	Crystallization Template for an Organic Compound from Organic Solvents. Chemistry - A European Journal, 2012, 18, 15984-15993.	1.7	7
2413	Surface chemical and physical modification in stent technology for the treatment of coronary artery disease. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2012, 100B, 1989-2014.	1.6	57
2414	Response to "Stripy Nanoparticles Revisited― Small, 2012, 8, 3720-3726.	5.2	30
2415	Directional Fractal Signature Analysis of Self-Structured Surface Textures. Tribology Letters, 2012, 47, 323-340.	1.2	12
2416	Wet chemical surface functionalization of oxide-free silicon. Progress in Surface Science, 2012, 87, 272-290.	3.8	71
2417	Simple and reproducible method of preparing transparent superhydrophobic glass. Thin Solid Films, 2012, 522, 159-163.	0.8	15
2418	Surface Sensing and Settlement Strategies of Marine Biofouling Organisms. Biointerphases, 2012, 7, 63.	0.6	36
2422	Syntheses and Characterization of Lisinopril-Coated Gold Nanoparticles as Highly Stable Targeted CT Contrast Agents in Cardiovascular Diseases. Langmuir, 2012, 28, 10398-10408.	1.6	85
2423	Altering the Static Dipole on Surfaces through Chemistry: Molecular Films of Zwitterionic Quinonoids. Journal of the American Chemical Society, 2012, 134, 8494-8506.	6.6	37
2424	Interfacial Dipole Formation and Surface-Electron Confinement in Low-Coverage Self-Assembled Thiol Layers: Thiophenol and <i>p</i> -Fluorothiophenol on Cu(111). ACS Nano, 2012, 6, 10622-10631.	7.3	21
2425	Probing the Electron Transfer Process of Cytochrome C Embedded in Mixed Thiol SAM on Electrodeposited Gold. Journal of the Electrochemical Society, 2012, 159, F81-F86.	1.3	3
2426	Detecting vapor traces of explosives using a self-assembled mono layer on a surface-modified MEMS capacitor and CMOS electronics. , 2012, , .		1
2427	On the complexation kinetics for metallization of organic layers: palladium onto a pyridine-terminated araliphatic thiol film. Physical Chemistry Chemical Physics, 2012, 14, 4703.	1.3	15
2428	Electrocatalytic activity of nitroxyl mixed self-assembled monolayers: combined effects of the nanoscale organization and the composition. Soft Matter, 2012, 8, 3875.	1.2	16
2429	Carboxylic acid functionalized ortho-linked oxacalix[2]benzene[2]pyrazine: synthesis, structure, hydrogen bond and metal directed self-assembly. Dalton Transactions, 2012, 41, 5625.	1.6	19
2430	Directed self-assembly of hetero-nanoparticles using a polymer single crystal template. Nanoscale, 2012, 4, 7641.	2.8	22
2431	Quantitative full-colour transmitted light microscopy and dyes for concentration mapping and measurement of diffusion coefficients in microfluidic architectures. Lab on A Chip, 2012, 12, 808.	3.1	50
2432	Facile growth of a single-crystal pattern: a case study of HKUST-1. Chemical Communications, 2012, 48, 11901.	2.2	10

#	Article	IF	CITATIONS
2433	Transfer of inorganic thin films by soluble polymer layer for arbitrary surface coating. Soft Matter, 2012, 8, 937-941.	1.2	8
2434	Reduced Pd density of states in Pd/SAM/Au junctions: the role of adsorbed hydrogen atoms. Physical Chemistry Chemical Physics, 2012, 14, 2353.	1.3	10
2435	Mono/bidentate thiol oligoarylene-based self-assembled monolayers (SAMs) for interface engineering. Journal of Materials Chemistry, 2012, 22, 12155.	6.7	19
2436	Charge regulation in redox active monolayers embedded in proton exchanger surfaces. Physical Chemistry Chemical Physics, 2012, 14, 9988.	1.3	12
2437	Self-assembled monolayer coated gold-nanoparticle catalyzed aerobic oxidation of α-hydroxy ketones in water: an efficient one-pot synthesis of quinoxaline derivatives. Catalysis Science and Technology, 2012, 2, 2216.	2.1	28
2438	Material-Selective Surface Chemistry for Nanoplasmonic Sensors: Optimizing Sensitivity and Controlling Binding to Local Hot Spots. Nano Letters, 2012, 12, 873-879.	4.5	65
2439	Replacing â^'CH ₂ CH ₂ – with â^'CONH– Does Not Significantly Change Rates of Charge Transport through Ag ^{TS} -SAM//Ga ₂ O ₃ /EGaIn Junctions. Journal of the American Chemical Society, 2012, 134, 10876-10884.	6.6	71
2440	Silver metallization engineered conformational switch of C-quadruplex for fluorescence turn-on detection of biothiols. Chemical Communications, 2012, 48, 11428.	2.2	39
2441	A Single-Molecule View of Conformational Switching of DNA Tethered to a Gold Electrode. Journal of the American Chemical Society, 2012, 134, 10021-10030.	6.6	63
2442	Sensor system for vapor trace detection of explosives. , 2012, , .		0
2442 2443	Thermal stability of self-assembled monolayers for epoxy control in optoelectronic assembly. , 2012, , .		0
		1.2	
2443	Thermal stability of self-assembled monolayers for epoxy control in optoelectronic assembly. , 2012, , . Corrigendum to a€œSynthesis and Antimicrobial Activity of Novel Types of Persulfide-Spacer <i>αO</i> -glycosides: Formation of a Super Hydrophobic Layer via a Self-Organization Effect Through the Strong Hydrogen Bonding Interactionâ€ <i>[J. Macromol. Sci.,</i>	1.2	0
2443 2444	Thermal stability of self-assembled monolayers for epoxy control in optoelectronic assembly. , 2012, , . Corrigendum to a€œSynthesis and Antimicrobial Activity of Novel Types of Persulfide-Spacer <i>1±</i> - <i>O</i> -glycosides: Formation of a Super Hydrophobic Layer via a Self-Organization Effect Through the Strong Hydrogen Bonding Interactionâ€ <i>[J. Macromol. Sci., Part A, </i> (2011) 48 , 187–197]. Journal of Macromolecular Science - Pure and Applied Chemistry, 2012, 49, 100-101. Novel Pd based catalyst for the removal of organic and emerging contaminants. RSC Advances, 2012, 2,		0
2443 2444 2445	Thermal stability of self-assembled monolayers for epoxy control in optoelectronic assembly. , 2012, , . Corrigendum to a€œSynthesis and Antimicrobial Activity of Novel Types of Persulfide-Spacer <i>î±</i> eoglycosides: Formation of a Super Hydrophobic Layer via a Self-Organization Effect Through the Strong Hydrogen Bonding Interactionâ€ <i>[J. Macromol. Sci., Part A,</i> (2011) 48 , 187–197]. Journal of Macromolecular Science - Pure and Applied Chemistry, 2012, 49, 100-101. Novel Pd based catalyst for the removal of organic and emerging contaminants. RSC Advances, 2012, 2, 7540.	1.7	0 0 24
2443 2444 2445 2446	Thermal stability of self-assembled monolayers for epoxy control in optoelectronic assembly. , 2012, , . Corrigendum to a€œSynthesis and Antimicrobial Activity of Novel Types of Persulfide-Spacer <i>1± </i> Oglycosides: Formation of a Super Hydrophobic Layer via a Self-Organization Effect Through the Strong Hydrogen Bonding Interactionâ€ <i>J. Macromol. Sci., Part A, </i> (2011) 48 , 187–197]. Journal of Macromolecular Science - Pure and Applied Chemistry, 2012, 49, 100-101. Novel Pd based catalyst for the removal of organic and emerging contaminants. RSC Advances, 2012, 2, 7540. Chiral biointerface materials. Chemical Society Reviews, 2012, 41, 1972-1984. Dithienylcyclopentene-functionalised subphthalocyaninatoboron complexes: Photochromism, luminescence modulation and formation of self-assembled monolayers on gold. Dalton Transactions,	1.7 18.7	0 0 24 181
2443 2444 2445 2446 2447	Thermal stability of self-assembled monolayers for epoxy control in optoelectronic assembly. , 2012, , . Corrigendum to atcosynthesis and Antimicrobial Activity of Novel Types of Persulfide-Spacer Persulfide-Spacer Self-Organization Effect Through the Strong Hydrogen Bonding Interactiona6<	1.7 18.7 1.6	0 0 24 181 10

#	Article	IF	CITATIONS
2451	Cu/epoxy interface enhancement and characterization with thiol treatment. , 2012, , .		1
2452	Electrically Conducting Nanopatterns Formed by Chemical e-Beam Lithography via Gold Nanoparticle Seeds. Langmuir, 2012, 28, 2448-2454.	1.6	22
2453	Environment-Controlled Tethering by Aggregation and Growth of Phosphonic Acid Monolayers on Silicon Oxide. Langmuir, 2012, 28, 8046-8051.	1.6	73
2454	Intermixed Terpyridine-Functionalized Monolayers on Gold: Nonlinear Relationship between Terpyridyl Density and Metal Ion Coordination Properties. Langmuir, 2012, 28, 10755-10763.	1.6	18
2455	In Situ Hydrolysis of Imine Derivatives on Au(111) for the Formation of Aromatic Mixed Self-Assembled Monolayers: Multitechnique Analysis of This Tunable Surface Modification. Langmuir, 2012, 28, 358-366.	1.6	15
2456	Mercury Segregation and Diselenide Self-Assembly on Gold. Journal of Physical Chemistry C, 2012, 116, 2431-2437.	1.5	15
2457	Mechanism of 2-Mercaptoethanesulphonate Adsorption onto Sputtered Palladium Films: Influence of Surface Oxide Species. Journal of Physical Chemistry C, 2012, 116, 9930-9941.	1.5	2
2458	Nanoscale Chemical Patterns on Gold Microplates. Journal of Physical Chemistry C, 2012, 116, 17625-17632.	1.5	14
2459	Nanoscale patterning of colloidal quantum dots on transparent and metallic planar surfaces. Nanotechnology, 2012, 23, 355302.	1.3	9
2460	Polymer Single Crystal As Magnetically Recoverable Support for Nanocatalysts. Journal of Physical Chemistry Letters, 2012, 3, 1346-1350.	2.1	74
2461	Charge Retention by Gold Clusters on Surfaces Prepared Using Soft Landing of Mass Selected Ions. ACS Nano, 2012, 6, 573-582.	7.3	59
2462	Influence of Surface Morphology and Substrate on Thermal Stability and Desorption Behavior of Octanethiol Self-Assembled Monolayers: Cu, Ag, and Au. Journal of Physical Chemistry C, 2012, 116, 17586-17593.	1.5	32
2463	Superhydrophobic self-assembled monolayers of long-chain fluorinated imidazolium ionic liquids. RSC Advances, 2012, 2, 5141.	1.7	24
2464	Photoinduced Monolayer Patterning for the Creation of Complex Protein Patterns. Langmuir, 2012, 28, 16237-16242.	1.6	3
2465	Anchoring Molecular Chromophores to Colloidal Gold Nanocrystals: Surface-Enhanced Raman Evidence for Strong Electronic Coupling and Irreversible Structural Locking. Journal of the American Chemical Society, 2012, 134, 2000-2003.	6.6	55
2466	Modification of Nitrile-Terminated Biphenylthiol Self-Assembled Monolayers by Electron Irradiation and Related Applications. Langmuir, 2012, 28, 9583-9592.	1.6	13
2467	Characterization of the Electrocatalytic Response of Monolayer-Modified Electrodes with Square-Wave Voltammetry. Journal of Physical Chemistry C, 2012, 116, 11206-11215.	1.5	10
2468	Comparison of SAM-Based Junctions with Ga ₂ O ₃ /EGaIn Top Electrodes to Other Large-Area Tunneling Junctions. Journal of Physical Chemistry C, 2012, 116, 14139-14150.	1.5	82

ARTICLE IF CITATIONS Adhesion of Colloidal Particles on Modified Electrodes. Langmuir, 2012, 28, 16567-16579. 18 2469 1.6 Frequency Shifts in SERS for Biosensing. ACS Nano, 2012, 6, 4892-4902. 2470 7.3 Magic Electret Clusters of 4-Fluorostyrene on Metal Surfaces. Journal of Physical Chemistry Letters, 2471 2.1 22 2012, 3, 2069-2075. TEMPO Mixed SAMs: Electrocatalytic Efficiency versus Surface Coverage. Langmuir, 2012, 28, 2472 13741-13745. Role of Solution and Surface Coverage on Voltage-Induced Response of Low-Density Self-Assembled 2473 1.514 Monolayers. Journal of Physical Chemistry C, 2012, 116, 13964-13971. Controlled, Low-Coverage Metal Oxide Activation of Silicon for Organic Functionalization: Unraveling the Phosphonate Bond. Langmuir, 2012, 28, 17494-17505. 2474 1.6 Electrical Resistance of 2475 Ag^{TS}–S(CH₂)_{<i>n</i>å^{*}1}CH₃//Ga₂O₃//EGalm97 Tunneling Junctions. Journal of Physical Chemistry C, 2012, 116, 10848-10860. Proton Transfer Voltammetry at Electrodes Modified with Acid Thiol Monolayers. Analytical 2476 3.2 Chemistry, 2012, 84, 5778-5786. Electrochemical Release of Amine Molecules from Carbamate-Based, Electroactive Self-Assembled 2477 1.6 10 Monolayers. Langmuir, 2012, 28, 17-21. Ordered Self-Assembled Locked Nucleic Acid (LNA) Structures on Gold(111) Surface with Enhanced 2478 1.6 Single Base Mismatch Recognition Capability. Langmuir, 2012, 28, 4325-4333. Self-Assembly of Pyridine-Substituted Alkanethiols on Gold: The Electronic Structure Puzzle in the Ortho- and Para-Attachment of Pyridine to the Molecular Chain. Journal of Physical Chemistry C, 2012, 2479 1.5 22 116,861-870. Oligothiol Graft-Copolymer Coatings Stabilize Gold Nanoparticles against Harsh Experimental 2480 1.6 Conditions. Langmuir, 2012, 28, 16751-16760. Selective Self Assembly of Glutamate Molecules on Polyelectrolyte Multilayers. Journal of Physical 2481 1.2 4 Chemistry B, 2012, 116, 4492-4499. Platelet Compatibility Improvement by Proper Choice of Acidic Terminal Functionality for 2482 1.6 Mixed-Charge Self-Assembled Monolayers. Langmuir, 2012, 28, 640-647. Hydrophobic Forces, Electrostatic Steering, and Acid–Base Bridging between Atomically Smooth Self-Assembled Monolayers and End-Functionalized PEGolated Lipid Bilayers. Journal of the American 2483 6.6 47 Chemical Society, 2012, 134, 1746-1753. Functionalization of a Self-Assembled Monolayer Driven by Low-Energy Electron Exposure. Langmuir, 2484 23 2012, 28, 367-376. Adsorption and Electron-Induced Dissociation of Ethanethiol on Au(111). Langmuir, 2012, 28, 11115-11120. 2485 1.6 12 From Nondissociative to Dissociative Adsorption of Benzene-thiol on Au(111): A Density Functional 2486 1.5 Theory Study. Journal of Physical Chemistry C, 2012, 116, 1002-1011.

#	Article	IF	CITATIONS
2487	Charge Separation at the Molecular Monolayer Surface: Observation and Control of the Dynamics. Journal of Physical Chemistry Letters, 2012, 3, 981-985.	2.1	27
2488	Directed Growth of Mixed Self-Assembled Monolayers on a Nanostructured Template: a Step toward the Patterning of Functional Molecular Domains. Langmuir, 2012, 28, 15095-15105.	1.6	11
2489	Mechanisms of Defect Generation and Clustering in CH3S Self-Assembled Monolayers on Au(111). Journal of Physical Chemistry Letters, 2012, 3, 2159-2163.	2.1	9
2490	Time-Dependent Conformational Changes in Adsorbed Albumin and Its Effect on Platelet Adhesion. Langmuir, 2012, 28, 2745-2752.	1.6	53
2491	Structural Evolution of Gas-Phase Coinage Metal Clusters in Thiolate Self-Assembled Monolayers on Au. Journal of Physical Chemistry C, 2012, 116, 22602-22607.	1.5	9
2492	Redox-Stable SAMs in Water (pH 0–12) from 1,1′-Biferrocenylene-Terminated Thiols on Gold. Organometallics, 2012, 31, 6642-6651.	1.1	20
2493	Studies on the Electrochemical Growth of (Per) ₂ [Au(mnt) ₂]. Langmuir, 2012, 28, 4883-4888.	1.6	2
2494	Sulfidization of Au(111) from Thioacetic Acid: An Experimental and Theoretical Study. Langmuir, 2012, 28, 15278-15285.	1.6	16
2495	Facile Approach to Grafting of Poly(2-oxazoline) Brushes on Macroscopic Surfaces and Applications Thereof. ACS Applied Materials & Interfaces, 2012, 4, 1357-1364.	4.0	28
2496	Effect of Surface Oxidation on the Interaction of 1-Methylaminopyrene with Gold Nanoparticles. Langmuir, 2012, 28, 2858-2865.	1.6	12
2497	Solvent-Resistant Ultraflat Gold Using Liquid Glass. Langmuir, 2012, 28, 1347-1350.	1.6	13
2498	Electroosmotic Flow Control in Microfluidic Chips Using a Self-Assembled Monolayer as the Insulator of a Flow Field-Effect Transistor. Langmuir, 2012, 28, 11281-11285.	1.6	13
2499	Self-Assembled Monolayers of Cyclic Aliphatic Thiols and Their Reaction toward Electron Irradiation. Journal of Physical Chemistry C, 2012, 116, 13559-13568.	1.5	24
2500	Nanometer-Wide Lines of Self-Assembled Monolayer: A Molecular Dynamics Simulation Study. Journal of Physical Chemistry C, 2012, 116, 25928-25933.	1.5	9
2501	Hexadecadienyl Monolayers on Hydrogen-Terminated Si(111): Faster Monolayer Formation and Improved Surface Coverage Using the Enyne Moiety. Langmuir, 2012, 28, 6577-6588.	1.6	31
2502	Effects of Protonation, Hydrogen Bonding, and Photodamaging on X-ray Spectroscopy of the Amine Terminal Group in Aminothiolate Monolayers. Journal of Physical Chemistry C, 2012, 116, 12649-12654.	1.5	57
2503	Aptameric Peptide for One-Step Detection of Protein Kinase. Analytical Chemistry, 2012, 84, 4746-4753.	3.2	63
2504	Electronic Control over Attachment and Self-Assembly of Alkyne Groups on Gold. ACS Nano, 2012, 6, 9267-9275.	7.3	25

#	Article	IF	CITATIONS
2505	Electronic States of Alkanethiolate Self-Assembled Monolayers on Au(111) Studied by Two-Photon Photoemission Spectroscopy. Journal of Physical Chemistry C, 2012, 116, 13623-13628.	1.5	15
2506	Coadsorption of Octanethiol and Dialkyldithiocarbamate on Au(111). Journal of Physical Chemistry C, 2012, 116, 1930-1934.	1.5	16
2507	Photoemission and X-ray Absorption Study of the Interface between 3,4-Ethylenedioxythiophene-Related Derivatives and Gold. Journal of Physical Chemistry C, 2012, 116, 15010-15018.	1.5	12
2508	Effects of Intrinsic Surface Defects on Thiophenol Self-Assembly on Au(111): Surface Structures and Reaction Mechanisms. Journal of Physical Chemistry C, 2012, 116, 19909-19917.	1.5	4
2509	Morphology Transformation of Hybrid Micelles Self-Assembled from Rod–Coil Block Copolymer and Nanoparticles. Langmuir, 2012, 28, 4515-4524.	1.6	55
2510	Statistical Tools for Analyzing Measurements of Charge Transport. Journal of Physical Chemistry C, 2012, 116, 6714-6733.	1.5	109
2511	Increase of SERS Signal upon Heating or Exposure to a High-Intensity Laser Field: Benzenethiol on an AgFON Substrate. Journal of Physical Chemistry C, 2012, 116, 16656-16659.	1.5	20
2512	One-Step Vs Stepwise Immobilization of 1-D Coordination-Based Rh–Rh Molecular Wires on Gold Surfaces. Langmuir, 2012, 28, 11779-11789.	1.6	12
2513	Colorimetric and Fluorescent Signaling of Au ³⁺ by Desulfurization of Thiocoumarin. Inorganic Chemistry, 2012, 51, 2880-2884.	1.9	52
2514	Mass Spectrometry and Dynamics of Gold Adatoms Observed on the Surface of Size-Selected Au Nanoclusters. Nano Letters, 2012, 12, 91-95.	4.5	51
2515	Electrochemical Transduction on Self-Assembled Monolayers: Are Covalent Links Essential?. Langmuir, 2012, 28, 12067-12070.	1.6	9
2516	Simultaneous Monitoring of Protein Adsorption Kinetics Using a Quartz Crystal Microbalance and Field-Effect Transistor Integrated Device. Analytical Chemistry, 2012, 84, 7308-7314.	3.2	30
2517	A Molecular Dynamics Study of the Role of Adatoms in SAMs of Methylthiolate on Au(111): A New Force Field Parameterized from Ab Initio Calculations. Journal of Physical Chemistry C, 2012, 116, 14883-14891.	1.5	14
2518	Comprehensive Analysis of the Effect of Electron Irradiation on Oligo(ethylene glycol) Terminated Self-Assembled Monolayers Applicable for Specific and Nonspecific Patterning of Proteins. Journal of Physical Chemistry C, 2012, 116, 14950-14959.	1.5	33
2519	Carboranedithiols: Building Blocks for Self-Assembled Monolayers on Copper Surfaces. Langmuir, 2012, 28, 12518-12526.	1.6	19
2520	Mixed Alkanethiol Monolayers on Submicrometric Gold Patterns: A Controlled Platform for Studying Cell–Ligand Interactions. Nano Letters, 2012, 12, 4992-4996.	4.5	12
2521	Multifunctional Protein-Enabled Patterning on Arrayed Ferroelectric Materials. ACS Applied Materials & Interfaces, 2012, 4, 1865-1871.	4.0	40
2522	Optical Method for Predicting the Composition of Self-Assembled Monolayers of Mixed Thiols on Surfaces Coated with Silver Nanoparticles. Langmuir, 2012, 28, 3558-3568.	1.6	14

#	Article	IF	CITATIONS
2523	Redox-Induced Conformational Change in Mercaptoalkanoic Acid Multilayer Films. Langmuir, 2012, 28, 6632-6637.	1.6	11
2524	Increased Stability of Glycol-Terminated Self-Assembled Monolayers for Long-Term Patterned Cell Culture. Langmuir, 2012, 28, 4318-4324.	1.6	22
2525	Redox Grafting of Diazotated Anthraquinone as a Means of Forming Thick Conducting Organic Films. Langmuir, 2012, 28, 1267-1275.	1.6	43
2526	Perylene Monolayer Protected Gold Nanorods: Unique Optical, Electronic Properties and Self-Assemblies. Journal of Physical Chemistry C, 2012, 116, 10396-10404.	1.5	43
2527	Acrylamide-Based Copolymers Bearing Photoreleasable Thiols for Subsequent Thiol–Ene Functionalization. Macromolecules, 2012, 45, 1792-1802.	2.2	62
2528	Selective Penetration of Metal Atoms — New Evidence and Application for the Simple Ideal Penetration Model of the Long-Chain Close-Packed Alkanethiol Self-Assembled Monolayers on Au(111). Physics Procedia, 2012, 32, 198-205.	1.2	0
2529	Carbon nanomembranes from self-assembled monolayers: Functional surfaces without bulk. Progress in Surface Science, 2012, 87, 108-162.	3.8	96
2530	Successive coordination of palladium(II)-ions and terpyridine-ligands to a pyridyl-terminated self-assembled monolayer on gold. Surface Science, 2012, 606, 367-377.	0.8	30
2531	Controllable restructuring of a metal substrate: Tuning the surface morphology of gold. Surface Science, 2012, 606, 536-541.	0.8	15
2532	The structure of methylthiolate and ethylthiolate monolayers on Au(111): Absence of the (â^š3 × â^š3)R30° phase. Surface Science, 2012, 606, L31-L35.	0.8	25
2533	Effects of Immersion Temperature on Self-Assembled Monolayers of Octanethiol on Au(111). Surface Science, 2012, 606, 664-669.	0.8	16
2534	Surface chemistry and nonadecanoic acid adsorbate layers on TiO2(100) surfaces prepared at ambient conditions. Surface Science, 2012, 606, 1527-1533.	0.8	13
2535	Graphene Oxide: Preparation, Functionalization, and Electrochemical Applications. Chemical Reviews, 2012, 112, 6027-6053.	23.0	3,024
2536	Host–guest sensing by calixarenes on the surfaces. Chemical Society Reviews, 2012, 41, 1173-1190.	18.7	227
2537	Playing with Peptides: How to Build a Supramolecular Peptide Nanostructure by Exploiting Helix··Ĥelix Macrodipole Interactions. Langmuir, 2012, 28, 2817-2826.	1.6	30
2538	Investigation of the Role of Surface Nanometric Sulfur and Carbon Moieties in Ni-Catalyzed Steam Reforming of Hydrocarbons. ACS Symposium Series, 2012, , 1-23.	0.5	0
2539	Attaching Persistent Organic Free Radicals to Surfaces: How and Why. Chemical Reviews, 2012, 112, 2506-2527.	23.0	166
2540	Adsorption of DNA onto gold nanoparticles and graphene oxide: surface science and applications. Physical Chemistry Chemical Physics, 2012, 14, 10485.	1.3	342

#	Article	IF	CITATIONS
2541	Electrochemistry of Nucleic Acids. Chemical Reviews, 2012, 112, 3427-3481.	23.0	583
2542	Corking Carbon Nanotube Cups with Gold Nanoparticles. ACS Nano, 2012, 6, 6912-6921.	7.3	28
2543	Selective filling of nanowells in nanowell arrays fabricated using polystyrene nanosphere lithography with cytochrome P450 enzymes. Nanotechnology, 2012, 23, 385101.	1.3	10
2544	Organic Thiol Modified Pt/TiO ₂ Catalysts to Control Chemoselective Hydrogenation of Substituted Nitroarenes. ACS Catalysis, 2012, 2, 2079-2081.	5.5	159
2545	Commensurate Solid–Solid Phase Transitions in Self-Assembled Monolayers of Alkylthiolates Lying on Metal Surfaces. Journal of the American Chemical Society, 2012, 134, 13224-13227.	6.6	11
2546	The gold–sulfur interface at the nanoscale. Nature Chemistry, 2012, 4, 443-455.	6.6	1,418
2547	Quantifying the Coverage Density of Poly(ethylene glycol) Chains on the Surface of Gold Nanostructures. ACS Nano, 2012, 6, 512-522.	7.3	209
2548	Nanometer-Scale Printing. Science, 2012, 337, 1459-1460.	6.0	13
2549	Thermodynamic Investigations Using Molecular Dynamics Simulations with Potential of Mean Force Calculations for Cardiotoxin Protein Adsorption on Mixed Self-Assembled Monolayers. Journal of Physical Chemistry B, 2012, 116, 12661-12668.	1.2	14
2550	Toward Self-Constructing Materials: A Systems Chemistry Approach. Accounts of Chemical Research, 2012, 45, 2178-2188.	7.6	129
2551	A periodic charge-dipole electrostatic model: Parametrization for silver slabs. Journal of Chemical Physics, 2012, 137, 134702.	1.2	2
2552	Quantitative Analysis and Characterization of Self-Assembled DNA on a Silver Surface. Langmuir, 2012, 28, 14514-14517.	1.6	16
2553	Odd–Even Effect in the Polymorphism of Self-Assembled Monolayers of Biphenyl-Substituted Alkaneselenolates on Au(111). Journal of Physical Chemistry C, 2012, 116, 19535-19542.	1.5	19
2554	Self-Assembled Monolayer Induced Au(111) and Ag(111) Reconstructions: Work Functions and Interface Dipole Formation. Journal of Physical Chemistry C, 2012, 116, 7826-7837.	1.5	64
2555	Quantum Tunneling Enabled Self-Assembly of Hydrogen Atoms on Cu(111). ACS Nano, 2012, 6, 10115-10121.	7.3	45
2556	Conducting polyamic acid membranes for sensing and site-directed immobilization of proteins. Analytical Biochemistry, 2012, 428, 54-63.	1.1	24
2557	Enzymes immobilization on Fe3O4–gold nanoparticles. Applied Surface Science, 2012, 258, 2783-2787.	3.1	40
2558	MOKE study of hybrid magnetic thin films: Permalloy on molecular self-assembled monolayer. Applied Surface Science, 2012, 258, 5195-5199.	3.1	3

#	Article	IF	CITATIONS
2559	Photochemical reactions of thiol-terminated self-assembled monolayers (SAMs) for micropatterning of gold nanoparticles and controlled surface functionality. Applied Surface Science, 2012, 258, 5153-5156.	3.1	14
2560	Stability of hexa(ethylene glycol) SAMs towards the exposure to natural light and repeated reimmersion. Applied Surface Science, 2012, 258, 7882-7888.	3.1	9
2561	An electrochemical approach to fabricate a heterogeneous mixed monolayer on planar polycrystalline Au and its characterization with Lateral Force Microscopy. Journal of Electroanalytical Chemistry, 2012, 666, 76-84.	1.9	12
2562	Olfactory receptor-based polypeptide sensor for acetic acid VOC detection. Materials Science and Engineering C, 2012, 32, 1307-1313.	3.8	41
2563	A real time detection of the ovarian tumor associated antigen 1 (OVTA 1) in human serum by quartz crystal microbalance immobilized with anti-OVTA 1 polyclonal chicken IgY antibodies. Materials Science and Engineering C, 2012, 32, 2073-2078.	3.8	11
2564	Adsorption and thermal decomposition of 2-octylthieno[3,4-b]thiophene on Au(1 1 1). Journal of Colloid and Interface Science, 2012, 384, 143-148.	5.0	2
2565	Preparation of controlled gold nanoparticle aggregates using a dendronization strategy. Journal of Colloid and Interface Science, 2012, 384, 10-21.	5.0	10
2566	Functionalization of electropolished titanium surfaces with silane-based self-assembled monolayers and their application in drug delivery. Journal of Colloid and Interface Science, 2012, 385, 258-267.	5.0	19
2567	Preparation of thiolated polymeric nanocomposite for sensitive electroanalysis of dopamine. Biosensors and Bioelectronics, 2012, 36, 154-160.	5.3	23
2568	Protection of copper corrosion in 0.5 M NaCl solution by modification of 5-mercapto-3-phenyl-1,3,4-thiadiazole-2-thione potassium self-assembled monolayer. Corrosion Science, 2012, 61, 53-62.	3.0	107
2569	Effects of Solvent on the Formation of Octanethiol Self-Assembled Monolayers on Au(111) at High Temperatures in a Closed Vessel: A Scanning Tunneling Microscopy and X-ray Photoelectron Spectroscopy Study. Journal of Physical Chemistry C, 2012, 116, 22441-22448.	1.5	29
2570	Copper conductive adhesives for printed circuit interconnects. , 2012, , .		10
2571	Transfer Printing Techniques for Materials Assembly and Micro/Nanodevice Fabrication. Advanced Materials, 2012, 24, 5284-5318.	11.1	727
2572	Unconventional Nucleation and Oriented Growth of ZIFâ€8 Crystals on Nonâ€Polar Surface. Advanced Materials, 2012, 24, 5954-5958.	11.1	46
2573	The emerging role of click reactions in chemical and biological engineering. AICHE Journal, 2012, 58, 2952-2965.	1.8	26
2574	Ultrasmooth metallic films with buried nanostructures for backside reflectionâ€mode plasmonic biosensing. Annalen Der Physik, 2012, 524, 687-696.	0.9	40
2577	Selfâ€Cleaning Functional Molecular Materials. Angewandte Chemie - International Edition, 2012, 51, 10324-10328.	7.2	46
2578	Supramolecular Selfâ€Assembly of 1D and 3D Heterometallic Coordination Polymers with Triruthenium Building Blocks. Chemistry - A European Journal, 2012, 18, 11228-11237.	1.7	9

#	Article	IF	CITATIONS
2579	Oddâ€Even Sequence Effect of Surfaceâ€Mediated Peptide Assemblies Observed by Scanning Tunneling Microscopy. Chinese Journal of Chemistry, 2012, 30, 1987-1991.	2.6	8
2580	Size-dependent antimicrobial properties of sugar-encapsulated gold nanoparticles synthesized by a green method. Nanoscale Research Letters, 2012, 7, 623.	3.1	71
2581	Metal Oxide Nanoparticle Mediated Enhanced Raman Scattering and Its Use in Direct Monitoring of Interfacial Chemical Reactions. Nano Letters, 2012, 12, 4242-4246.	4.5	103
2582	Rapid Formation of a Dense Sulfur Layer on Gold through Use of Triphenylmethane Sulfenyl Chloride as a Precursor. Langmuir, 2012, 28, 16881-16889.	1.6	8
2583	Surface Functionalization in the Nanoscale Domain. , 2012, , 163-190.		9
2584	Gold nanoparticles modified with coordination compounds of metals: synthesis and application. Russian Chemical Reviews, 2012, 81, 65-90.	2.5	36
2585	Fabrication of poly(dimethylsiloxane) concave microlens arrays by selective wetting and replica moulding. Micro and Nano Letters, 2012, 7, 1121-1124.	0.6	3
2586	Surface-Enhanced Raman Scattering Study of the Kinetics of Self-Assembly of Carboxylate-Terminated <i>n</i> -Alkanethiols on Silver. Langmuir, 2012, 28, 2628-2636.	1.6	29
2587	Self-Assembled Porphyrins on Modified Zinc Oxide Nanorods: Development of Model Systems for Inorganic–Organic Semiconductor Interface Studies. Journal of Physical Chemistry C, 2012, 116, 2336-2343.	1.5	37
2590	Artificial Proteins. , 2012, , 117-136.		4
2591	Condensation on Superhydrophobic Surfaces: The Role of Local Energy Barriers and Structure Length Scale. Langmuir, 2012, 28, 14424-14432.	1.6	347
2592	Soft Lithographic Approaches to Nanofabrication. , 2012, , 211-231.		42
2593	Reflectivity, GI-SAS and GI-Diffraction. , 2012, , 433-463.		1
2594	Ligand-Protected Gold Nanoclusters as Superatoms—Insights from Theory and Computations. Frontiers of Nanoscience, 2012, 3, 129-157.	0.3	7
2595	Patterned polymer brushes. Chemical Society Reviews, 2012, 41, 3280.	18.7	212
2596	Cold nanoparticles in image-guided cancer therapy. Inorganica Chimica Acta, 2012, 393, 154-164.	1.2	60
2597	A DyP-type peroxidase at a bio-compatible interface: structural and mechanistic insights. Soft Matter, 2012, 8, 10314.	1.2	22
2598	Orbital-Symmetry-Dependent Electron Transfer through Molecules Assembled on Metal Substrates. Journal of Physical Chemistry Letters, 2012, 3, 436-440.	2.1	35

#	Article	IF	CITATIONS
2603	Electrically Induced Conformational Change of Peptides on Metallic Nanosurfaces. ACS Nano, 2012, 6, 8847-8856.	7.3	56
2604	Zwitterionic dithiocarboxylates derived from N-heterocyclic carbenes: coordination to gold surfaces. Dalton Transactions, 2012, 41, 2986.	1.6	36
2605	Nanotechnology advances in upper gastrointestinal, liver and pancreatic cancer. Expert Review of Gastroenterology and Hepatology, 2012, 6, 343-356.	1.4	7
2606	Measurements of the Potentials of Zero Free Charge and Zero Total Charge for 1-thio- ± b <i>β</i> -D-glucose and DPTL Modified Au(111) Surface in Different Electrolyte Solutions. Zeitschrift Fur Physikalische Chemie, 2012, 226, 995-1009.	1.4	28
2607	Complex polymer brush gradients based on nanolithography and surface-initiated polymerization. Chemical Society Reviews, 2012, 41, 3584.	18.7	70
2608	Structural Investigation of 1,1′-Biphenyl-4-thiol Self-Assembled Monolayers on Au(111) by Scanning Tunneling Microscopy and Low-Energy Electron Diffraction. Langmuir, 2012, 28, 13905-13911.	1.6	52
2609	Electrografting of calix[4]arenediazonium salts to form versatile robust platforms for spatially controlled surface functionalization. Nature Communications, 2012, 3, 1130.	5.8	118
2610	Synthesis of a series of 1,n′-disubstituted ferrocene derivatives containing disulfides. Inorganica Chimica Acta, 2012, 391, 195-200.	1.2	1
2611	Substituted Benzene Derivatives on the Cu(111) Surface. Journal of Physical Chemistry C, 2012, 116, 12636-12643.	1.5	28
2612	Fast self-assembly kinetics of alkanethiols on gold nanoparticles: simulation and characterization by localized surface plasmon resonance spectroscopy. Proceedings of SPIE, 2012, , .	0.8	1
2613	Testing and comparison of the coating materials for immunosensors on QCM. Proceedings of SPIE, 2012, , .	0.8	1
2614	Decaborane Thiols as Building Blocks for Self-Assembled Monolayers on Metal Surfaces. Inorganic Chemistry, 2012, 51, 1685-1694.	1.9	23
2615	Self-Assembled Monolayers on Au(111): Structure, Energetics, and Mechanism of Reconstruction Lifting. Journal of Physical Chemistry C, 2012, 116, 4738-4747.	1.5	15
2616	Sample Preparation-Free, Real-Time Detection of microRNA in Human Serum Using Piezoelectric Cantilever Biosensors at Attomole Level. Analytical Chemistry, 2012, 84, 10426-10436.	3.2	70
2617	Are 4-Mercaptobenzoic Acid Self Assembled Monolayers on Au(111) a Suitable System to Test Adatom Models?. Journal of Physical Chemistry C, 2012, 116, 25765-25771.	1.5	35
2618	Studies on the Effect of Solvents on Self-Assembled Monolayers Formed from Organophosphonic Acids on Indium Tin Oxide. Langmuir, 2012, 28, 9487-9495.	1.6	64
2619	The Modification of Indium Tin Oxide with Phosphonic Acids: Mechanism of Binding, Tuning of Surface Properties, and Potential for Use in Organic Electronic Applications. Accounts of Chemical Research, 2012, 45, 337-346.	7.6	293
2620	Facile Preparation of Highly Blue Fluorescent Metal Nanoclusters in Organic Media. Journal of Physical Chemistry C, 2012, 116, 448-455.	1.5	36

#	Article	IF	CITATIONS
2621	Self-assembled monolayers formed by 5,10,15,20-tetra(4-pyridyl)porphyrin and cobalt 5,10,15,20-tetra(4-pyridyl)-21H,23H-porphine on iodine-passivated Au(111) as observed using electrochemical scanning tunneling microscopy and cyclic voltammetry. Journal of Electroanalytical Chemistry, 2012, 664, 94-99.	1.9	3
2622	Electrochemical study of new self-assembled monolayer of 2-hydroxy-N′1-[(E)-1-(3-methyl-2-thienyl) methylidene] benzohydrazide on gold electrode as an epinephrine sensor element. Journal of Electroanalytical Chemistry, 2012, 682, 14-22.	1.9	9
2623	The selective adsorption of human serum albumin on N-isobutyryl-cysteine enantiomers modified chiral surfaces. Biochemical Engineering Journal, 2012, 69, 155-158.	1.8	13
2624	Peptide molecular junctions: Distance dependent electron transmission through oligoprolines. Bioelectrochemistry, 2012, 87, 21-27.	2.4	24
2625	Investigation of inhibition properties of aromatic thiol self-assembled monolayer for corrosion protection. Corrosion Science, 2012, 65, 331-339.	3.0	58
2626	Benzenedithiol self-assembled monolayers modified gold electrodes for electrochemical determination of tellurium in the presence of selenium. Electrochimica Acta, 2012, 80, 342-345.	2.6	4
2627	Immobilization of azurin with retention of its native electrochemical properties at alkylsilane self-assembled monolayer modified indium tin oxide. Electrochimica Acta, 2012, 85, 169-174.	2.6	14
2628	Organic field-effect transistors as a test-bed for molecular electronics: A combined study with large-area molecular junctions. Organic Electronics, 2012, 13, 2502-2507.	1.4	21
2629	Superhydrophobic Textures for Microfluidics. Mendeleev Communications, 2012, 22, 229-236.	0.6	103
2630	Wash-free, Electrochemical Platform for the Quantitative, Multiplexed Detection of Specific Antibodies. Analytical Chemistry, 2012, 84, 1098-1103.	3.2	64
2631	Efficient Biofunctionalization of Polysilicon Barcodes for Adhesion to the Zona Pellucida of Mouse Embryos. Bioconjugate Chemistry, 2012, 23, 2392-2402.	1.8	15
2632	Temperature-dependent l–V characteristics for the nanocomposite semiconducting films composed of a thiol end-capped dinuclear macrocyclic complex and Au-NPs bridging 1 μm gap gold electrodes. Dalton Transactions, 2012, 41, 14309.	1.6	2
2633	Systems engineering at the nanoscale. , 2012, , .		1
2634	Thermodynamic, Kinetic, Surface p <i>K</i> _a , and Structural Aspects of Self-Assembled Monolayers of Thio Compounds on Gold. Langmuir, 2012, 28, 17825-17831.	1.6	29
2636	Adsorption and Desorption of Bis-(3-sulfopropyl) Disulfide during Cu Electrodeposition and Stripping at Au Electrodes. Langmuir, 2012, 28, 14476-14487.	1.6	30
2637	Microwave-assisted synthesis of gold nanoparticles self-assembled into self-supported superstructures. Nanoscale, 2012, 4, 2281.	2.8	52
2638	High-throughput immunoassay through in-channel microfluidic patterning. Lab on A Chip, 2012, 12, 2487.	3.1	47
2639	Racemization of a Chiral Nanoparticle Evidences the Flexibility of the Gold–Thiolate Interface. Journal of the American Chemical Society, 2012, 134, 13114-13120.	6.6	107

#	Article	IF	CITATIONS
2640	Functionalized polyacetylenes with strong luminescence: "turn-on―fluorescent detection of cyanide based on the dissolution of gold nanoparticles and its application in real samples. Journal of Materials Chemistry, 2012, 22, 5581.	6.7	55
2641	Thiocarboxylate functionalization of silver nanoparticles: effect of chain length on the electrical conductivity of nanoparticles and their polymer composites. Journal of Materials Chemistry, 2012, 22, 20048.	6.7	58
2642	Development of real-time sensitive chiral analysis technique using quartz crystal analyzer. Sensors and Actuators B: Chemical, 2012, 171-172, 478-485.	4.0	6
2643	Dendronization: A Useful Synthetic Strategy to Prepare Multifunctional Materials. Polymers, 2012, 4, 355-395.	2.0	79
2644	Surface Plasmon Resonance-Based Methods. Soft and Biological Matter, 2012, , 235-261.	0.3	1
2645	Experimental and Computational Investigation of Au ₂₅ Clusters and CO ₂ : A Unique Interaction and Enhanced Electrocatalytic Activity. Journal of the American Chemical Society, 2012, 134, 10237-10243.	6.6	361
2646	Control of Surface Tension at Liquid–Liquid Interfaces Using Nanoparticles and Nanoparticle–Protein Complexes. Langmuir, 2012, 28, 2023-2027.	1.6	43
2647	Wet-Chemical Passivation of InAs: Toward Surfaces with High Stability and Low Toxicity. Accounts of Chemical Research, 2012, 45, 1451-1459.	7.6	18
2648	DNA-tagged nano gold: A new tool for the control of the armyworm, Spodoptera litura Fab. (Lepidoptera: Noctuidae). African Journal of Biotechnology, 2012, 11, .	0.3	26
2649	Solution, surface, and single molecule platforms for the study of DNA-mediated charge transport. Physical Chemistry Chemical Physics, 2012, 14, 13754.	1.3	59
2652	Comparative Study of the Binding of Concanavalin A to Self-Assembled Monolayers Containing a Thiolated α-Mannoside on Flat Gold and on Nanoporous Gold. Journal of Carbohydrate Chemistry, 2012, 31, 466-503.	0.4	24
2653	Air-stable and efficient inorganic–organic heterojunction solar cells using PbS colloidal quantum dots co-capped by 1-dodecanethiol and oleic acid. Physical Chemistry Chemical Physics, 2012, 14, 14999.	1.3	36
2654	Biomedical Applications of Gold Nanoparticles. , 2012, , 101-145.		5
2655	Electron Transfer Dynamics of Iridium Oxide Nanoparticles Attached to Electrodes by Self-Assembled Monolayers. Journal of the American Chemical Society, 2012, 134, 5774-5777.	6.6	32
2656	Bulky Adamantanethiolate and Cyclohexanethiolate Ligands Favor Smaller Gold Nanoparticles with Altered Discrete Sizes. ACS Nano, 2012, 6, 4903-4911.	7.3	103
2657	Responsive and Nonequilibrium Nanomaterials. Journal of Physical Chemistry Letters, 2012, 3, 2103-2111.	2.1	59
2658	Mediator free cholesterol biosensor based on self-assembled monolayer platform. Analyst, The, 2012, 137, 747-753.	1.7	19
2659	Force–conductance correlation in individual molecular junctions. Nanotechnology, 2012, 23, 365201.	1.3	30

#	Article	IF	CITATIONS
2661	Synthesis and Surface Investigations of N-Substituted 2,5-Dithio-7-azabicyclo[2.2.1]heptanes on Gold Surfaces. Journal of Physical Chemistry C, 2012, 116, 7886-7896.	1.5	10
2662	Synthesis of Hafnium Oxide-Gold Core–Shell Nanoparticles. Inorganic Chemistry, 2012, 51, 518-522.	1.9	18
2663	Reaction-Based Fluorescent Probe for Selective Discrimination of Thiophenols over Aliphaticthiols and Its Application in Water Samples. Analytical Chemistry, 2012, 84, 4915-4920.	3.2	108
2664	Accelerating the initial rate of hydrolysis of methyl parathion with laser excitation using monolayer protected 10 nm Au nanoparticles capped with a Cu(bpy) catalyst. Chemical Communications, 2012, 48, 4121.	2.2	14
2665	Application of nanotechnology to control bacterial adhesion and patterning on material surfaces. Journal of Experimental Nanoscience, 2012, 7, 634-651.	1.3	8
2666	Dynamical Aspects of Two-Dimensional Soft Matter. Series in Sof Condensed Matter, 2012, , 145-196.	0.1	0
2667	Orthogonal supramolecular interaction motifs for functional monolayer architectures. Soft Matter, 2012, 8, 11768.	1.2	34
2668	Single-layer assembly of pyrene end-capped terthiophene and its sensing performances to nitroaromatic explosives. Journal of Materials Chemistry, 2012, 22, 1069-1077.	6.7	69
2669	Direct Electrochemistry of Phanerochaete chrysosporium Cellobiose Dehydrogenase Covalently Attached onto Gold Nanoparticle Modified Solid Gold Electrodes. Langmuir, 2012, 28, 10925-10933.	1.6	55
2670	Hydrogen Bonding and Chirality in Functionalized Thioether Self-Assembly. Journal of Physical Chemistry C, 2012, 116, 14992-14997.	1.5	13
2671	Molecular-Scale Surface Chemistry of a Common Metal Nanoparticle Capping Agent: Triphenylphosphine on Au(111). ACS Nano, 2012, 6, 3545-3552.	7.3	26
2673	Electroless Synthesis of Metallic Nanostructures for Biomedical Technologies. Modern Aspects of Electrochemistry, 2012, , 73-99.	0.2	1
2675	Porphyrin–Lipid Stabilized Gold Nanoparticles for Surface Enhanced Raman Scattering Based Imaging. Bioconjugate Chemistry, 2012, 23, 1726-1730.	1.8	58
2676	Surface-Functionalized COMB Capacitive Sensors and CMOS Electronics for Vapor Trace Detection of Explosives. IEEE Sensors Journal, 2012, 12, 1048-1057.	2.4	16
2677	Influence of Alkyl Chain Length on the Structure of Dialkyldithiophosphinic Acid Self-Assembled Monolayers on Gold. Langmuir, 2012, 28, 13253-13260.	1.6	8
2678	Sulfonic groups induce formation of filopodia in mesenchymal stem cells. Journal of Materials Chemistry, 2012, 22, 7172.	6.7	25
2679	Electrochemical and Spectroscopic Study of the Self-Assembling Mechanism of Normal and Chelating Alkanethiols on Copper. Langmuir, 2012, 28, 6857-6865.	1.6	44
2680	Label-free, direct DNA detection by means of a standard CMOS electronic chip. Sensors and Actuators B: Chemical, 2012, 171-172, 148-154.	4.0	21

	Сітат	ION REPORT	
#	Article	IF	CITATIONS
2681	Correlation of surface-enhanced Raman spectroscopy and laser desorption-ionization mass spectrometry acquired from silver nanoparticle substrates. Analyst, The, 2012, 137, 1421.	1.7	21
2682	Advancing Understanding and Design of Functional Materials Through Theoretical and Computational Chemical Physics. , 2012, , 209-278.		3
2683	Fluorophore–gold nanoparticle complex for sensitive optical biosensing and imaging. Nanotechnology, 2012, 23, 095501.	1.3	32
2684	Electroassisted Fabrication of Free-Standing Silica Structures of Micrometer Size. Chemistry of Materials, 2012, 24, 2265-2273.	3.2	17
2685	Nucleation and Island Growth of Alkanethiolate Ligand Domains on Gold Nanoparticles. ACS Nano, 2012, 6, 629-640.	7.3	72
2686	Detection of Non-Amplified Genomic DNA. Soft and Biological Matter, 2012, , .	0.3	11
2687	Kelvin Probe Force Microscopy in Nonpolar Liquids. Langmuir, 2012, 28, 13892-13899.	1.6	35
2688	Practical Aspects of Computational Chemistry II. , 2012, , .		2
2689	Selective growth and photoelectrochemical properties of Bi2S3 thin films on functionalized self-assembled monolayers. CrystEngComm, 2012, 14, 3433.	1.3	32
2690	Photothermal Laser Material Interactions - From the Sledgehammer to Nano-GPS. Advances in Intelligent and Soft Computing, 2012, , 85-111.	0.2	0
2691	Spontaneous self-assembly of partially fluorinated bolaamphiphiles into ordered layered structures. Physical Chemistry Chemical Physics, 2012, 14, 14365.	1.3	4
2692	Unimolecular and Supramolecular Electronics II. Topics in Current Chemistry, 2012, , .	4.0	6
2693	Plasmon Ruler with Angstrom Length Resolution. ACS Nano, 2012, 6, 9237-9246.	7.3	170
2694	Gold-Decorated Block Copolymer Microspheres with Controlled Surface Nanostructures. ACS Nano, 2012, 6, 2750-2757.	7.3	72
2695	Nanofabrication. , 2012, , .		31
2696	79 Ordered Surface Structures of Self-Assembled Porphyrins. Handbook of Porphyrin Science, 2012, , 1-56.	0.3	1
2697	DFT-Based Molecular Transport Implementation in ADF/BAND. Journal of Physical Chemistry C, 2012, 116, 24393-24412.	' 1.5	42
2698	Formation of Highly Ordered and Orientated Gold Islands: Effect of Immersion Time on the Molecular Adlayer Structure of Pentafluorobenzenethiols (PFBT) SAMs on Au(111). Langmuir, 2012, 28, 10192-102	08. ^{1.6}	35

#	Article	IF	CITATIONS
2699	How Chemistry, Nanoscale Roughness, and the Direction of Heat Flow Affect Thermal Conductance of Solid–Water Interfaces. Industrial & Engineering Chemistry Research, 2012, 51, 1767-1773.	1.8	78
2701	Study on the Reversible Changes of the Surface Properties of an <scp>l</scp> -Cysteine Self-Assembled Monolayer on Gold As a Function of pH. Langmuir, 2012, 28, 8692-8699.	1.6	16
2702	Near-Surface Oxidized Sulfur Modifications and Self-Assembly of Thiol-Modified Aptamer on Au Thin Film Substrates Influenced by Piranha Treatment. ACS Applied Materials & Interfaces, 2012, 4, 5945-5948.	4.0	11
2704	Adsorption characteristics of OH-terminated alkanethiol and arenethiol on Au(111) surfaces. Nanoscale, 2012, 4, 2093.	2.8	25
2705	An efficient, soluble, and recyclable multiwalled carbon nanotubes-supported TEMPO for oxidation of alcohols. RSC Advances, 2012, 2, 7693.	1.7	43
2706	Structure and Surface Chemistry of Gold-Based Model Catalysts. Chemical Reviews, 2012, 112, 2987-3054.	23.0	229
2707	Activation of Surface Hydroxyl Groups by Modification of H-Terminated Si(111) Surfaces. Journal of the American Chemical Society, 2012, 134, 8869-8874.	6.6	68
2708	Octadecanthiol for tarnish-resistant silver coatings. Proceedings of SPIE, 2012, , .	0.8	1
2709	Interfacial Structures and Properties of Organic Materials for Biosensors: An Overview. Sensors, 2012, 12, 15036-15062.	2.1	57
2710	Synthesis Applications of Gold Nanoparticles. Frontiers of Nanoscience, 2012, , 3-33.	0.3	7
2711	Atom Probe Microscopy. Springer Series in Materials Science, 2012, , .	0.4	501
2712	Physical Properties of Diamondoids. , 2012, , 103-184.		0
2713	Dewetting-driven hierarchical self-assembly of small semiconducting molecules. Soft Matter, 2012, 8, 5804.	1.2	5
2714	The role of surface chemistry-induced cell characteristics on nonviral gene delivery to mouse fibroblasts. Journal of Biological Engineering, 2012, 6, 17.	2.0	20
2716	Applications of Self-Assembled Monolayers in Surface-Enhanced Raman Scattering. Journal of Nanotechnology, 2012, 2012, 1-10.	1.5	23
2717	Surface-Enhanced Raman Scattering. Journal of Nanotechnology, 2012, 2012, 1-2.	1.5	1
2718	Surface functionalization of aluminosilicate nanotubes with organic molecules. Beilstein Journal of Nanotechnology, 2012, 3, 82-100.	1.5	20
2719	Tapping Mode AFM Imaging for Functionalized Surfaces. , 0, , .		3

CITATION REPORT ARTICLE IF CITATIONS Crystallization on Self Assembled Monolayers., 2012,,. 1 Studies of Cardio Toxin Protein Adsorption on Mixed Self-Assembled Monolayers Using Molecular Dynamics Simulations., 2012,,. Electron-beam patterned self-assembled monolayers as templates for Cu electrodeposition and 1.5 27 lift-off. Beilstein Journal of Nanotechnology, 2012, 3, 101-113. Substrate-mediated effects in photothermal patterning of alkanethiol self-assembled monolayers with microfocused continuous-wave lasers. Beilstein Journal of Nanotechnology, 2012, 3, 65-74. Current–voltage characteristics of single-molecule diarylethene junctions measured with adjustable 1.538 gold electrodes in solution. Beilstein Journal of Nanotechnology, 2012, 3, 798-808. Electronic transport between Au surface and scanning tunnelling microscope tip via a multipodal cyclodextrin host–metalloâ€guest supramolecular system. Journal of Physical Organic Chemistry, 2012, 25, 198-206. Covalent Layerâ€by‣ayer Assembly of Redox Active Molecular Multilayers on Silicon (100) by 5.2 30 Photochemical Thiolâ€Ene Chemistry. Small, 2012, 8, 569-577. Engineering "Hot―Nanoparticles for Surfaceâ€Enhanced Raman Scattering by Embedding Reporter 5.2 128 Molecules in Metal Layers. Small, 2012, 8, 246-251. The rise of selfa€assembled monolayers for fabricating electrochemical biosensorsâ€"an interfacial 2.9 62 perspective. Chemical Record, 2012, 12, 92-105. ε aprolactone polymerization under air by the biocatalyst: Magnesium 2.5 2,6â€diâ€<i>tert</i>à€butylâ€4â€methylphenoxide. Journal of Polymer Science Part A, 2012, 50, 2697-2704. Measuring the activation energy of thiol desorption using lateral force microscopy. Scanning, 2012, 4 0.7 34, 200-205. Formation of 1D and 2D Gold Nanoparticle Arrays by Divalent DNA–Gold Nanoparticle Conjugates. 5.2 Small, 2012, 8, 2335-2340. Synthesis of fluorescent long-chain thiols/disulfides as building-blocks for self-assembled 1.0 2 monolayers preparation. Open Chemistry, 2012, 10, 295-299. Magnetic nanoparticles for the manipulation of proteins and cells. Chemical Society Reviews, 2012, 41, 18.7 342 2912 The golden age: gold nanoparticles for biomedicine. Chemical Society Reviews, 2012, 41, 2740-2779. 18.7 2,900

2738	Monolayer coated gold nanoparticles for delivery applications. Advanced Drug Delivery Reviews, 2012, 64, 200-216.	6.6	429
2739	Laterally patterned magnetic nanoparticles. Journal of Materials Chemistry, 2012, 22, 1962-1968.	6.7	15
2740	The Chemistry of the Sulfur–Gold Interface: In Search of a Unified Model. Accounts of Chemical	7.6	459

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2725

2727

2729

2730

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2733

2734

2735

#	Article	IF	CITATIONS
2741	Biological applications of magnetic nanoparticles. Chemical Society Reviews, 2012, 41, 4306.	18.7	1,079
2742	Structuring of Polymer Brushes and Surface Nitroxide Exchange Reactions. ACS Symposium Series, 2012, , 241-256.	0.5	Ο
2743	Electron-transfer processes in dendrimers and their implication in biology, catalysis, sensing and nanotechnology. Nature Chemistry, 2012, 4, 255-267.	6.6	275
2744	Gold Nanoparticles in Chemical and Biological Sensing. Chemical Reviews, 2012, 112, 2739-2779.	23.0	4,017
2745	Shape-Dependent Reversible Assembly Properties of Polyvalent DNA–Silver Nanocube Conjugates. Journal of Physical Chemistry C, 2012, 116, 2278-2284.	1.5	31
2746	Tunneling Characteristics of Au–Alkanedithiol–Au Junctions formed via Nanotransfer Printing (nTP). Journal of the American Chemical Society, 2012, 134, 12072-12082.	6.6	28
2747	Two-dimensional nanoarchitectonics: organic and hybrid materials. Nanoscale, 2012, 4, 6102.	2.8	131
2748	Biocompatible Nanomembranes Based on PEGylation of Cross-Linked Self-Assembled Monolayers. Chemistry of Materials, 2012, 24, 2965-2972.	3.2	23
2749	Electrochemically Controlled Assembly and Logic Gates Operations of Gold Nanoparticle Arrays. Langmuir, 2012, 28, 3322-3331.	1.6	30
2750	Fundamentals and application of ordered molecular assemblies to affinity biosensing. Chemical Society Reviews, 2012, 41, 1363-1402.	18.7	94
2751	The application of graphene as electrodes in electrical and optical devices. Nanotechnology, 2012, 23, 112001.	1.3	329
2752	Influence of the counter electrode on the photovoltaic performance of dye-sensitized solar cells using a disulfide/thiolate redox electrolyte. Energy and Environmental Science, 2012, 5, 6089.	15.6	144
2753	Light-directed nanosynthesis: near-field optical approaches to integration of the top-down and bottom-up fabrication paradigms. Nanoscale, 2012, 4, 1840.	2.8	34
2754	Functionalization of gold and silver nanoparticles with diphenyl dichalcogenides probed by surface enhanced Raman scattering. Journal of Raman Spectroscopy, 2012, 43, 712-717.	1.2	12
2755	Heterobifunctional Poly(ethylene glycol) Derivatives for the Surface Modification of Gold Nanoparticles Toward Bone Mineral Targeting. Macromolecular Bioscience, 2012, 12, 1124-1136.	2.1	11
2756	In Situ Synthesis of a Novel Quinone Imine Selfâ€Assembled Monolayer and Consideration of Its Reactivity with <scp>L</scp> â€Arginine. Electroanalysis, 2012, 24, 1362-1373.	1.5	7
2757	Direct quantification of negatively charged functional groups on membrane surfaces. Journal of Membrane Science, 2012, 389, 499-508.	4.1	140
2758	Gold nanoparticles as carriers for a synthetic <i>Streptococcus pneumoniae</i> type 14 conjugate vaccine. Nanomedicine, 2012, 7, 651-662.	1.7	158

#	Article	IF	CITATIONS
2759	Gold nanoparticles: preparation, properties, and applications in bionanotechnology. Nanoscale, 2012, 4, 1871-1880.	2.8	1,067
2760	In Situ Measurement of Bovine Serum Albumin Interaction with Gold Nanospheres. Langmuir, 2012, 28, 9131-9139.	1.6	152
2761	Molecular plasmonics for biology and nanomedicine. Nanomedicine, 2012, 7, 751-770.	1.7	114
2762	Loss of Hydrogen upon Exposure of Thiol to Gold Clusters at Low Temperature. Journal of the American Chemical Society, 2012, 134, 9376-9379.	6.6	45
2763	Nanoscale Clustering of Carbohydrate Thiols in Mixed Self-Assembled Monolayers on Gold. Langmuir, 2012, 28, 6950-6959.	1.6	24
2764	Nanostructuring Platinum Nanoparticles on Multilayered Graphene Petal Nanosheets for Electrochemical Biosensing. Advanced Functional Materials, 2012, 22, 3399-3405.	7.8	199
2765	Facile Method for rGO Field Effect Transistor: Selective Adsorption of rGO on SAMâ€Treated Gold Electrode by Electrostatic Attraction. Advanced Materials, 2012, 24, 2299-2303.	11.1	26
2766	Patterning Techniques for Metal Organic Frameworks. Advanced Materials, 2012, 24, 3153-3168.	11.1	111
2767	Carbonâ€Nanotube/Silver Networks in Nitrile Butadiene Rubber for Highly Conductive Flexible Adhesives. Advanced Materials, 2012, 24, 3344-3349.	11.1	94
2771	Tuning the Critical Temperature of Cuprate Superconductor Films with Selfâ€Assembled Organic Layers. Angewandte Chemie - International Edition, 2012, 51, 7162-7165.	7.2	19
2772	Selfâ€Assembly of Vertically Aligned Gold Nanorod Arrays on Patterned Substrates. Angewandte Chemie - International Edition, 2012, 51, 8732-8735.	7.2	102
2773	Effect of Headâ€Group Chemistry on Surfaceâ€Mediated Molecular Selfâ€Assembly. Chemistry - A European Journal, 2012, 18, 7169-7178.	1.7	24
2774	Multiscale Charge Injection and Transport Properties in Selfâ€Assembled Monolayers of Biphenyl Thiols with Varying Torsion Angles. Chemistry - A European Journal, 2012, 18, 10335-10347.	1.7	30
2775	Docetaxel Nanotechnology in Anticancer Therapy. ChemMedChem, 2012, 7, 952-972.	1.6	100
2776	Stacking of Selfâ€Assembled Surface Micelles in Ultrathin Films. ChemPhysChem, 2012, 13, 1454-1462.	1.0	11
2777	Selfâ€Assembled Monolayers of Singleâ€Molecule Magnets [Tb{Pc′(SR) ₈ } ₂] on Gold. ChemPlusChem, 2012, 77, 889-897.	1.3	19
2778	Nanofabrication Techniques Applied to the Development of Novel Optical Fiber Sensors Based on Nanostructured Coatings. IEEE Sensors Journal, 2012, 12, 2699-2710.	2.4	18
2779	A Dielectric Model of Self-Assembled Monolayer Interfaces by Capacitive Spectroscopy. Langmuir, 2012, 28, 9689-9699.	1.6	79

ARTICLE IF CITATIONS Extremely Strong Self-Assembly of a Bimetallic Salen Complex Visualized at the Single-Molecule Level. 2780 80 6.6 Journal of the American Chemical Society, 2012, 134, 7186-7192. High Sensitivity DNA Detection Based on Regioselectively Decorated Electrocatalytic Nanoparticles. 2781 3.2 Analytical Chemistry, 2012, 84, 6471-6476. Facile Synthesis of Palladium Nanoparticles Protected with Alkanethiolates Functionalized with 2782 1.1 11 Organometallic Fragments. Organometallics, 2012, 31, 722-728. Microfluidic Assay to Quantify the Adhesion of Marine Bacteria. Biointerphases, 2012, 7, 26. 2783 Polymer/Trimer/Metal Complex Mixtures as Precursors of Gold Nanoparticles: Tuning the Morphology 2784 1.9 5 in the Solid-State. Journal of Inorganic and Organometallic Polymers and Materials, 2012, 22, 447-454. Exploring the Energy Profile of Human IgG/Rat Anti-human IgG Interactions by Dynamic Force Spectroscopy. Protein Journal, 2012, 31, 425-431. On the kinetics and thermodynamics of S–X (XÂ=ÂH, CH3, SCH3, COCH3, and CN) cleavage in the formation 2786 0.5 17 of self-assembled monolayers of alkylthiols on Au(111). Theoretical Chemistry Accounts, 2012, 131, 1. Theoretical investigation of molecular excited states in polar organic monolayers via an efficient embedding approach. Theoretical Chemistry Accounts, 2012, 131, 1. Patterned self-assembled monolayers of alkanethiols on copper nanomembranes by submerged laser 2788 1.1 4 ablation. Applied Physics A: Materials Science and Processing, 2012, 107, 755-759. A chelating-bond breaking and re-linking technique for rapid re-immobilization of immune 1.4 micro-sensors. Biomedical Microdevices, 2012, 14, 303-311. Surface immobilization of bone morphogenetic protein 2 via a self-assembled monolayer formation 2790 4.1 64 induces cell differentiation. Acta Biomaterialia, 2012, 8, 772-780. Intermolecular potentials for simulations of collisions of SiNCS+ and (CH3)2SiNCS+ ions with 2791 0.9 fluorinated self-assembled monolayers. Chemical Physics, 2012, 399, 193-204. Reversible switching in self-assembled monolayers of azobenzene thiolates on Au (111) probed by 2792 0.9 14 threshold photoemission. Chemical Physics, 2012, 402, 22-28. Influence of chain ordering on frictional properties of self-assembled monolayers (SAMs) in 2793 63 nano-lubrication. Advances in Colloid and Interface Science, 2012, 171-172, 53-65. Carboxymethylbetaine copolymer layer covalently fixed to a glass substrate. Colloids and Surfaces B: 2794 2.517 Biointerfaces, 2012, 94, 107-113. Self assembling monolayers of dialkynyl bridged Pd(II) thiols obtained by thermally induced multilayer desorption: Thermal and chemical stability investigated by SR-XPS. Chemical Physics Letters, 2012, 527, 2795 1.2 57-62 Room temperature O2 plasma treatment of SiO2 supported Au catalysts for selective hydrogenation of 2796 3.1107 acetylene in the presence of large excess of ethylene. Journal of Catalysis, 2012, 285, 152-159. Influence of the nature of the polycation on the adsorption kinetics and on exchange processes in 2797 polyelectrolyte multilayer films. Journal of Colloid and Interface Science, 2012, 366, 96-104.

#	Article	IF	CITATIONS
2798	Photoswitching in azobenzene self-assembled monolayers capped on zinc oxide: Nanodots vs nanorods. Journal of Colloid and Interface Science, 2012, 367, 109-114.	5.0	11
2799	Correlation between catalytic activity and surface ligands of monolayer protected gold nanoparticles. Journal of Colloid and Interface Science, 2012, 368, 77-85.	5.0	31
2800	The production and verification of pristine semi-fluorinated thiol monolayers on gold. Journal of Colloid and Interface Science, 2012, 370, 162-169.	5.0	7
2801	Self-organised microdots formed by dewetting in a highly volatile liquid. Journal of Colloid and Interface Science, 2012, 378, 201-209.	5.0	3
2802	Revisiting the determination of full steady-state coverage of redox centers on self-assembled monolayers. Electrochemistry Communications, 2012, 16, 6-9.	2.3	15
2803	Formation of host–guest structure at an electrified electrode surface: An electrochemical STM investigation. Electrochemistry Communications, 2012, 17, 82-84.	2.3	2
2804	Electrochemical detection of the thermal stability of n-alkanethiolate monolayers on Au(111). Electrochimica Acta, 2012, 61, 132-139.	2.6	12
2805	Electrochemical characterization of self assembled monolayers on flexible electrodes. Electrochimica Acta, 2012, 65, 159-164.	2.6	15
2806	Comparative electrochemical investigations on series of SH-terminated-functional porphyrins. Electrochimica Acta, 2012, 65, 244-250.	2.6	7
2807	Electrochemistry of methylene blue at an alkanethiol modified electrode. Electrochimica Acta, 2012, 75, 387-392.	2.6	16
2808	One-step modification of various electrode surfaces using diazonium salt compounds and the application of this technology to electrochemical DNA (E-DNA) sensors. Electrochimica Acta, 2012, 76, 394-403.	2.6	44
2809	Effect of surface-functionalized nanoparticles on the elongation phase of beta-amyloid (1–40) fibrillogenesis. Biomaterials, 2012, 33, 4443-4450.	5.7	63
2810	Mixed SAMs and MALDI–ToF MS: Preparation of N-glycosylamine derivative and thioctic acid methyl ester bearing 1,2-dithiolane groups and detection of enzymatic reaction on Au. Bioorganic Chemistry, 2012, 40, 6-9.	2.0	8
2811	A comparative assessment of \hat{I}_{\pm} -lipoic acid N-phenylamides as non-steroidal androgen receptor antagonists both on and off gold nanoparticles. Bioorganic Chemistry, 2012, 40, 1-5.	2.0	17
2812	Biosensing using dynamic-mode cantilever sensors: A review. Biosensors and Bioelectronics, 2012, 32, 1-18.	5.3	255
2813	Development of immunosensors for direct detection of three wound infection biomarkers at point of care using electrochemical impedance spectroscopy. Biosensors and Bioelectronics, 2012, 31, 413-418.	5.3	89
2814	Epitaxially grown metal-organic frameworks. Materials Today, 2012, 15, 110-116.	8.3	117
2815	Highly corrosion resistant bright silver metallization deposited from a neutral cyanide-free solution. Microelectronic Engineering, 2012, 92, 126-129.	1.1	25

#	Article	IF	CITATIONS
2816	The effects of surface functionality positioning on the transport properties of membranes. Journal of Membrane Science, 2012, 411-412, 211-218.	4.1	8
2817	Effects of self-assembled monolayers on amperometric glucose biosensors based on an organic–inorganic hybrid system. Sensors and Actuators B: Chemical, 2012, 168, 249-255.	4.0	15
2818	Electronic substrate-mediated interactions. Surface Science Reports, 2012, 67, 19-81.	3.8	68
2819	Photo-triggered generation of a free thiol group on DNA: application to DNA conjugation. Tetrahedron Letters, 2012, 53, 78-81.	0.7	3
2820	Synthesis of thiol-capped gold nanoparticle with a flow system using organosilane as a reducing agent. Tetrahedron Letters, 2012, 53, 4457-4459.	0.7	10
2821	Stability of self-assembled monolayers of organothiol mono and bipode on copper in presence of another organothiol solution. Thin Solid Films, 2012, 520, 2017-2021.	0.8	3
2822	Organic field-effect transistors as new paradigm for large-area molecular junctions. Organic Electronics, 2012, 13, 789-795.	1.4	19
2823	Effect of PEDOT:PSS–molecule interface on the charge transport characteristics of the large-area molecular electronic junctions. Organic Electronics, 2012, 13, 771-777.	1.4	32
2824	Surface-initiated controlled polymerization as a convenient method for designing functional polymer brushes: From self-assembled monolayers to patterned surfaces. Progress in Polymer Science, 2012, 37, 157-181.	11.8	224
2825	Formation of hydrous gold(I) oxide in the process of self-assembled cysteine on gold nanoparticles and its electrocatalytic application. Journal of Electroanalytical Chemistry, 2012, 674, 12-16.	1.9	4
2826	On the interfacial chemistry of aryl diazonium compounds in polymer science. Chemical Papers, 2012, 66, .	1.0	27
2827	Electron transfer across the interface gold/self-assembled organic monolayer. Comparison of single- and two-component systems. Russian Journal of Electrochemistry, 2012, 48, 351-363.	0.3	5
2828	Increased Catalytic Activity of Surfaceâ€Immobilized Palladium Complexes in the Fluorogenic Deprotection of an Allocâ€Derivatized Coumarin. Chemistry - A European Journal, 2012, 18, 788-792.	1.7	10
2829	A Generic Platform for the Addressable Functionalisation of Electrode Surfaces through Selfâ€Induced "Electroclickâ€I Chemistry - A European Journal, 2012, 18, 594-602.	1.7	17
2830	Organic–Organic Heterostructures: Concepts and Applications. ChemPhysChem, 2012, 13, 628-643.	1.0	137
2831	Gold Electrode Modified with Selfâ€Assembled Monolayer of Cysteamineâ€Functionalized MWCNT and Its Application in Simultaneous Determination of Dopamine and Uric Acid. Electroanalysis, 2012, 24, 425-432.	1.5	32
2832	Electrochemical Performance of Selfâ€Assembled Monolayer Gold Nanoparticleâ€Modified Ultramicroelectrode Array Architectures. Electroanalysis, 2012, 24, 635-642.	1.5	10
2833	Non ovalent Functionalization of Graphene Using Selfâ€Assembly of Alkaneâ€Amines. Advanced Functional Materials, 2012, 22, 717-725.	7.8	73

#	Article	IF	CITATIONS
2834	Solutionâ€Processed Ultrathin Chemically Derived Graphene Films as Soft Top Contacts for Solid‧tate Molecular Electronic Junctions. Advanced Materials, 2012, 24, 1333-1339.	11.1	82
2835	Twoâ€Dimensional Polymer as a Mask for Surface Nanopatterning. Advanced Materials, 2012, 24, 1252-1254.	11.1	17
2836	A study of tribological and mechanical properties of PTFE composites filled with surface treated K ₂ Ti ₆ O ₁₃ whisker. Journal of Applied Polymer Science, 2012, 124, 1456-1463.	1.3	11
2837	Thiolateâ€Induced Metal Adatom Trapping at Solid–Liquid Interfaces. Angewandte Chemie - International Edition, 2012, 51, 1966-1969.	7.2	17
2838	Unmasking Photolithography: A Versatile Way to Siteâ€Selectively Pattern Gold Substrates. Angewandte Chemie - International Edition, 2012, 51, 2151-2154.	7.2	12
2839	Deposition Mechanism and Properties of Thin Polydopamine Films for High Added Value Applications in Surface Science at the Nanoscale. BioNanoScience, 2012, 2, 16-34.	1.5	139
2840	Surface modification through bioinspired coating and self-assembly using polyelectrolyte and cell compatibility evaluation. Macromolecular Research, 2012, 20, 117-120.	1.0	1
2841	Nanobiochips. Cellular and Molecular Life Sciences, 2012, 69, 347-356.	2.4	7
2842	Realistic limits to computation. Applied Physics A: Materials Science and Processing, 2012, 106, 967-982.	1.1	2
2843	Dynamics of collisions of hydroxyl radicals with fluorinated self-assembled monolayers. Theoretical Chemistry Accounts, 2012, 131, 1.	0.5	17
2844	One-step electrochemical machining of superhydrophobic surfaces on aluminum substrates. Journal of Materials Science, 2012, 47, 162-168.	1.7	72
2845	Functionalization of gold-coated carbon nanotubes with self-assembled monolayers of thiolates. Journal of Materials Science, 2012, 47, 3463-3467.	1.7	6
2846	Tribological performance of fatty acid modification of sol–gel TiO2 coating. Journal of Sol-Gel Science and Technology, 2012, 61, 558-564.	1.1	9
2847	Synthesis of rod and lath-shaped CuSe and tremella-shaped Cu2â^'x Se nanostructures at room temperature, and their optical properties. Journal of Nanoparticle Research, 2012, 14, 1.	0.8	7
2848	Large Work Function Shift of Gold Induced by a Novel Perfluorinated Azobenzeneâ€Based Selfâ€Assembled Monolayer. Advanced Materials, 2013, 25, 432-436.	11.1	93
2849	Quantitative nucleation and growth kinetics of gold nanoparticles via model-assisted dynamic spectroscopic approach. Journal of Colloid and Interface Science, 2013, 407, 8-16.	5.0	28
2850	Localized Surface Plasmon Resonance Investigations of Photoswitching in Azobenzene-Functionalized Self-Assembled Monolayers on Au. Langmuir, 2013, 29, 10693-10699.	1.6	13
2851	Nanomaterial Interfaces in Biology. Methods in Molecular Biology, 2013, , .	0.4	9

#	Article	IF	CITATIONS
2852	Oxidative desorption of thiols as a route to controlled formation of binary self assembled monolayer surfaces. Electrochimica Acta, 2013, 109, 67-74.	2.6	18
2853	Environmentally friendly electroless plating for Ag/TiO2-coated core–shell magnetic particles using ultrasonic treatment. Ultrasonics Sonochemistry, 2013, 20, 1456-1462.	3.8	19
2854	Fluorescent Self-Assembled Monolayers of Umbelliferone: A Relationship between Contact Angle and Fluorescence. Langmuir, 2013, 29, 10423-10431.	1.6	9
2855	Conformational engineering of co-sensitizers to retard back charge transfer for high-efficiency dye-sensitized solar cells. Journal of Materials Chemistry A, 2013, 1, 11553.	5.2	94
2856	Electrostatic adsorption of hematite nanoparticles on self-assembled monolayer surfaces. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	4
2857	Gold nanoparticles: role of size and surface chemistry on blood protein adsorption. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	26
2858	Patchy silica-coated silver nanowires as SERS substrates. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	23
2859	SAM-like arrangement of thiolated graphene nanoribbons: decoupling the edge state from the metal substrate. Physical Chemistry Chemical Physics, 2013, 15, 3233.	1.3	2
2860	Reliable contact fabrication on nanostructured Bi2Te3-based thermoelectric materials. Physical Chemistry Chemical Physics, 2013, 15, 6757.	1.3	50
2861	Preparation of Transparent Superhydrophobic Glass Slides: Demonstration of Surface Chemistry Characteristics. Journal of Chemical Education, 2013, 90, 1203-1206.	1.1	54
2862	Surface Plasmon Resonance Determination of the Binding Mechanisms of <scp>l</scp> -Cysteine and Mercaptoundecanoic Acid on Gold. Journal of Physical Chemistry C, 2013, 117, 6712-6718.	1.5	18
2863	Development of a new porous gold SPME fiber for selective and efficient extraction of dodecanethiol followed by GC–MS analysis. Analytical and Bioanalytical Chemistry, 2013, 405, 1753-1758.	1.9	14
2864	Amorphous Nanophotonics. Nano-optics and Nanophotonics, 2013, , .	0.2	21
2865	Adsorption of cationic gemini surfactants at solid surfaces studied by QCM-D and SPR—Effect of the presence of hydroxyl groups in the spacer. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 419, 21-27.	2.3	25
2866	A glucose biosensor based on direct attachment of in situ generated nile blue diazonium cations to the electrode surface. Journal of Electroanalytical Chemistry, 2013, 703, 146-152.	1.9	9
2867	Magnetic circular dichroism and the nature of ferromagnetism in colloidal gold nanoparticles. JETP Letters, 2013, 97, 98-101.	0.4	4
2868	Large-scale synthesis and in situ functionalization of Zn3P2 and Zn4Sb3 nanowire powders. Physical Chemistry Chemical Physics, 2013, 15, 6260.	1.3	23
2869	Study of the effects of surface pKa and electron transfer kinetics of electroactive 4-nitrothiophenol/4-mercaptobenzoic acid binary SAM on the simultaneous determination of epinephrine and uric acid. Journal of Electroanalytical Chemistry, 2013, 703, 158-165.	1.9	16

	Сітатіо	n Report	
#	Article	IF	Citations
2870	Electron Transfer as a Probe of the Permeability of Organic Monolayers on the Surfaces of Colloidal PbS Quantum Dots. Journal of Physical Chemistry C, 2013, 117, 15849-15857.	1.5	38
2871	Gradients in surface nanotopography used to study platelet adhesion and activation. Colloids and Surfaces B: Biointerfaces, 2013, 110, 261-269.	2.5	58
2872	Biochirality. Topics in Current Chemistry, 2013, , .	4.0	19
2873	THE CHEMISTRY AND BIOLOGY OF GOLD NANOPARTICLE-MEDIATED PHOTOTHERMAL THERAPY: PROMISES AND CHALLENGES. Nano LIFE, 2013, 03, 1330001.	0.6	31
2874	Cilia-Mimetic Hairy Surfaces Based on End-Immobilized Nanocellulose Colloidal Rods. Biomacromolecules, 2013, 14, 2807-2813.	2.6	60
2875	Phosphonate coupling molecules for the control of surface/interface properties and the synthesis of nanomaterials. Dalton Transactions, 2013, 42, 12569.	1.6	195
2876	Liquid crystalline and solid phases for a system of hard zigzag particles with Lennard-Jones sites in two-dimensions. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 4760-4771.	1.2	0
2877	Bioengineered nanoparticles for <scp>siRNA</scp> delivery. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2013, 5, 449-468.	3.3	42
2878	Tailorâ€Made Polymer Multilayers. Advanced Functional Materials, 2013, 23, 6019-6023.	7.8	31
2879	Toward tunable doping in graphene FETs by molecular self-assembled monolayers. Nanoscale, 2013, 5, 9640.	2.8	52
2880	Multiple-Time-Scale Motion in Molecularly Linked Nanoparticle Arrays. ACS Nano, 2013, 7, 108-116.	7.3	11
2881	Environmental Toxicology. , 2013, , .		10
2882	Interface Dipole Effects as a Function of Molecular Tilt: Mechanical Gating of Electron Tunneling through Self-Assembled Monolayers?. Journal of Physical Chemistry C, 2013, 117, 14272-14280.	1.5	12
2883	Sequential Triple "Click―Approach toward Polyhedral Oligomeric Silsesquioxane-Based Multiheaded and Multitailed Giant Surfactants. ACS Macro Letters, 2013, 2, 645-650.	2.3	52
2884	Nanoparticles for improving cancer diagnosis. Materials Science and Engineering Reports, 2013, 74, 35-69.	14.8	94
2885	Nanoscale Topography and Chemistry Affect Embryonic Stem Cell Selfâ€Renewal and Early Differentiation. Advanced Healthcare Materials, 2013, 2, 1644-1650.	3.9	32
2886	Chemisorbed Monolayers of Corannulene Penta-Thioethers on Gold. Langmuir, 2013, 29, 2217-2223.	1.6	24
2887	Direct Modification of a Glassy Carbon Electrode with Toluidine Blue Diazonium Salt: Application to NADH Determination and Biosensing of Ethanol. Electroanalysis, 2013, 25, 1917-1925.	1.5	15

#	Article	IF	CITATIONS
2888	Adsorption of cysteine clusters on Au(110) \hat{a} '(1 \tilde{A} — 1) surface: a DFT study. RSC Advances, 2013, 3, 5036.	1.7	17
2889	Chembiomolecular Science. , 2013, , .		0
2890	Self-assembly mechanism of thiol, dithiol, dithiocarboxylic acid, disulfide and diselenide on gold: an electrochemical impedance study. Physical Chemistry Chemical Physics, 2013, 15, 16648.	1.3	15
2891	Conventional and microwave-assisted processing of Cu-loaded ICAs for electronic interconnect applications. Journal of Materials Science, 2013, 48, 7204-7214.	1.7	9
2892	Atomic force microscopy reveals two phases in single stranded DNA self-assembled monolayers. Nanoscale, 2013, 5, 7425.	2.8	21
2893	Selenium Adsorption on Au(111) and Ag(111) Surfaces: Adsorbed Selenium and Selenide Films. Journal of Physical Chemistry C, 2013, 117, 9835-9842.	1.5	36
2894	Stabilization of Thiolate-Protected Gold Clusters Against Thermal Inversion: Diastereomeric Au ₃₈ (SCH ₂ CH ₂ Ph) _{24–2<i>x</i>} (<i>R</i> BINAS) _{<!--</td--><td>i>x⊾∄><td>ıp¥1</td></td>}	i> x⊾∄ > <td>ıp¥1</td>	ıp¥1
2895	Formation of <i>n</i> -Alkyl Monolayers by Organomercury Deposition on Gold. Journal of Physical Chemistry Letters, 2013, 4, 2624-2629.	2.1	12
2896	Discriminative response of aliphatic and aromatic dithiol in the self-assembly of gold nanoparticles. RSC Advances, 2013, 3, 15622.	1.7	5
2897	Effect of the Spacer Structure on the Stability of Gold Nanoparticles Functionalized with Monodentate Thiolated Poly(ethylene glycol) Ligands. Langmuir, 2013, 29, 9897-9908.	1.6	80
2898	On the Mechanism of Metal Nanoparticle Synthesis in the Brust–Schiffrin Method. Langmuir, 2013, 29, 9863-9873.	1.6	131
2899	Resonance Raman and Electrocatalytic Behavior of Thiolate and Imidazole Bound Iron Porphyrin Complexes on Self Assembled Monolayers: Functional Modeling of Cytochrome P450. Inorganic Chemistry, 2013, 52, 2000-2014.	1.9	62
2904	Development of silicon-based electrochemical transducers. Analytical Methods, 2013, 5, 5464.	1.3	5
2905	Effects of Confinement on Molecular Motor-Driven Self-Assembly of Ring Structures. Cellular and Molecular Bioengineering, 2013, 6, 98-108.	1.0	12
2906	Non-natural Amino Acids Containing Peptide-Capped Gold Nanoparticles for Drug Delivery Application. ACS Applied Materials & Interfaces, 2013, 5, 6484-6493.	4.0	32
2907	Dual Functionalized Graphene Oxide Serves as a Carrier for Delivering Oligohistidine―and Biotinâ€Tagged Biomolecules into Cells. Macromolecular Bioscience, 2013, 13, 1478-1484.	2.1	24
2908	Photocatalytic Nanolithography of Self-Assembled Monolayers and Proteins. ACS Nano, 2013, 7, 7610-7618.	7.3	25
2909	Colloidal Stability of Self-Assembled Monolayer-Coated Gold Nanoparticles: The Effects of Surface Compositional and Structural Heterogeneity. Langmuir, 2013, 29, 11560-11566.	1.6	28

#	Article	IF	CITATIONS
2910	Understanding the Surface Chemistry of Thiolate-Protected Metallic Nanoparticles. Journal of Physical Chemistry Letters, 2013, 4, 3127-3138.	2.1	66
2911	Glutathione-Protected Silver Nanoclusters as Cysteine-Selective Fluorometric and Colorimetric Probe. Analytical Chemistry, 2013, 85, 1913-1919.	3.2	312
2912	Robustly Passivated, Gold Nanoaperture Arrays for Single-Molecule Fluorescence Microscopy. ACS Nano, 2013, 7, 8158-8166.	7.3	25
2913	Recombinant bacteriophages as gold binding bio-templates. Colloids and Surfaces B: Biointerfaces, 2013, 112, 219-228.	2.5	23
2914	Thin Films and Coatings in Biology. Biological and Medical Physics Series, 2013, , .	0.3	6
2915	Thiol-containing polymeric embedding materials for nanoskiving. Journal of Materials Chemistry C, 2013, 1, 121-130.	2.7	18
2916	Robust Carboxylic Acid-Terminated Organic Thin Films and Nanoparticle Protectants Generated from Bidentate Alkanethiols. Langmuir, 2013, 29, 10432-10439.	1.6	31
2917	A Universal Scheme to Convert Aromatic Molecular Monolayers into Functional Carbon Nanomembranes. ACS Nano, 2013, 7, 6489-6497.	7.3	141
2918	How Nanoscience Translates into Technology: The Case of Self-Assembled Monolayers, Electron-Beam Writing, and Carbon Nanomembranes. ACS Nano, 2013, 7, 6416-6421.	7.3	14
2919	Design and evaluation of mixed self-assembled monolayers for a potential use in everolimus eluting coronary stents. Colloids and Surfaces B: Biointerfaces, 2013, 112, 330-336.	2.5	9
2920	Geometric curvature controls the chemical patchiness and self-assembly of nanoparticles. Nature Nanotechnology, 2013, 8, 676-681.	15.6	136
2921	Improving the Efficiency of ZnO-Based Organic Solar Cell by Self-Assembled Monolayer Assisted Modulation on the Properties of ZnO Acceptor Layer. ACS Applied Materials & Interfaces, 2013, 5, 6946-6950.	4.0	22
2922	Site-Specific and Covalent Attachment of His-Tagged Proteins by Chelation Assisted Photoimmobilization: A Strategy for Microarraying of Protein Ligands. Langmuir, 2013, 29, 11687-11694.	1.6	15
2923	Nanoscale Dynamics and Protein Adhesivity of Alkylamine Self-Assembled Monolayers on Graphene. Langmuir, 2013, 29, 7271-7282.	1.6	27
2924	The impact of fluorination on the structure and properties of self-assembled monolayer films. Soft Matter, 2013, 9, 6356.	1.2	58
2925	Programmable multilayers of nanometer-sized macrocycles on solid support and stimuli-controlled on-surface pseudorotaxane formation. Chemical Science, 2013, 4, 3131.	3.7	20
2926	Colloidal Stability of Gold Nanoparticles Coated with Multithiol-Poly(ethylene glycol) Ligands: Importance of Structural Constraints of the Sulfur Anchoring Groups. Journal of Physical Chemistry C, 2013, 117, 18947-18956.	1.5	59
2927	Steric Hindrance of Photoswitching in Self-Assembled Monolayers of Azobenzene and Alkane Thiols. Langmuir, 2013, 29, 11623-11631.	1.6	67

#	Article	IF	CITATIONS
2928	Multiparametric Characterization of Nonelectroactive Self-Assembled Monolayers During Their Formation. Langmuir, 2013, 29, 9909-9917.	1.6	3
2931	The synthesis of ï€-electron molecular rods with a thiophene or thieno[3,2-b]thiophene core unit and sulfur alligator clips. Tetrahedron Letters, 2013, 54, 2795-2798.	0.7	12
2932	Ideal Redox Behavior of the High-Density Self-Assembled Monolayer of a Molecular Tripod on a Au(111) Surface with a Terminal Ferrocene Group. Langmuir, 2013, 29, 4275-4282.	1.6	49
2933	Preparation of Surface-Attached Polymer Layers by Thermal or Photochemical Activation of α-Diazoester Moieties. Langmuir, 2013, 29, 10932-10939.	1.6	29
2934	Excited electron dynamics at ferrocene-terminated self-assembled monolayers on Au(111): Lengthened lifetime of image potential state. Chemical Physics Letters, 2013, 561-562, 131-136.	1.2	9
2935	Self assembly of iron protoporphyrin and its binding with carbon monoxide on dithiol modified gold electrode as probed by in situ ATR-SEIRAS. Journal of Electroanalytical Chemistry, 2013, 688, 379-383.	1.9	7
2936	Biological response on a titanium implant-grade surface functionalized with modular peptides. Acta Biomaterialia, 2013, 9, 5341-5352.	4.1	72
2937	Fluorine-doped tin oxide surfaces modified by self-assembled alkanethiols for thin-film devices. Applied Surface Science, 2013, 279, 67-70.	3.1	13
2938	Work-function modification of the (111) gold surface upon deposition of self-assembled monolayers based on alkanethiol derivatives. Journal of Electron Spectroscopy and Related Phenomena, 2013, 189, 32-38.	0.8	22
2939	Nanoadhesion on Rigid Methylâ€Terminated Biphenyl Thiol Monolayers: A Highâ€Rate Dynamic Force Spectroscopy Study. ChemPhysChem, 2013, 14, 543-549.	1.0	5
2940	BMP-2 peptide-functionalized nanopatterned substrates for enhanced osteogenic differentiation of human mesenchymal stem cells. Biomaterials, 2013, 34, 7236-7246.	5.7	109
2941	Inelastic electron tunneling process for alkanethiol self-assembled monolayers. Progress in Surface Science, 2013, 88, 1-38.	3.8	24
2942	Chemisorption of Exchangeâ€Coupled [Ni ₂ L(dppba)] ⁺ Complexes on Gold by Using Ambidentate 4â€(Diphenylphosphino)benzoate Coâ€Ligands. Chemistry - A European Journal, 2013, 19, 7787-7801.	1.7	6
2943	Versatile characterization of thiol-functionalized printed metal electrodes on flexible substrates for cheap diagnostic applications. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 4391-4397.	1.1	11
2944	Structure of Self-Assembled Monolayers of Partially Fluorinated Alkanethiols on GaAs(001) Substrates. Journal of Physical Chemistry C, 2013, 117, 26166-26178.	1.5	14
2945	Quartz crystal microbalance with dissipation (QCM-D) as tool to exploit antigen–antibody interactions in pancreatic ductal adenocarcinomadetection. Biosensors and Bioelectronics, 2013, 42, 646-652.	5.3	29
2946	First-Principles Density Functional Theory (DFT) Study of Gold Nanorod and Its Interaction with Alkanethiol Ligands. Journal of Physical Chemistry B, 2013, 117, 12625-12631.	1.2	15
2947	Surface-enhanced resonance Raman scattering (SERRS) as a tool for the studies of electron transfer proteins attached to biomimetic surfaces: Case of cytochrome c. Electrochimica Acta, 2013, 111, 952-995.	2.6	17

#	Article	IF	CITATIONS
2948	Improving the Binding Characteristics of Tripodal Compounds on Single Layer Graphene. ACS Nano, 2013, 7, 7193-7199.	7.3	35
2949	Current and emerging challenges of field effect transistor based bio-sensing. Nanoscale, 2013, 5, 10702.	2.8	81
2950	Polymorphism in Self-Assembled Terphenylthiolate Monolayers on Au(111). Langmuir, 2013, 29, 13449-13456.	1.6	33
2951	Exploring Azobenzenethiol Adsorption on the Ag/Ge(111) Surface with Surface Raman Spectroscopy. Journal of Physical Chemistry C, 2013, 117, 21823-21831.	1.5	1
2952	Controlled formation of hydrophobic surfaces by self-assembly of an amphiphilic natural protein from aqueous solutions. Soft Matter, 2013, 9, 5933.	1.2	77
2953	X-ray Photoelectron Spectroscopic and Transmission Electron Microscopic Characterizations of Bacteriophage–Nanoparticle Complexes for Pathogen Detection. Journal of Physical Chemistry C, 2013, 117, 20656-20665.	1.5	45
2954	New Dihexadecyldithiophosphate SAMs on Gold Provide Insight into the Unusual Dependence of Adsorbate Chelation on Substrate Morphology in SAMs of Dialkyldithiophosphinic Acids. Journal of the American Chemical Society, 2013, 135, 15784-15793.	6.6	4
2955	Covalent Attachment of Diamondoid Phosphonic Acid Dichlorides to Tungsten Oxide Surfaces. Langmuir, 2013, 29, 9790-9797.	1.6	25
2956	Solvent-Dependent Two-Photon Photoluminescence and Excitation Dynamics of Gold Nanorods. Journal of Physical Chemistry B, 2013, 117, 15576-15583.	1.2	24
2957	Molecular Flux Dependence of Chemical Patterning by Microcontact Printing. ACS Applied Materials & Interfaces, 2013, 5, 10310-10316.	4.0	12
2958	Surface Pretreatment Boosts the Performance of Supramolecular Affinity Materials on Quartz Crystal Microbalances for Sensor Applications. Analytical Chemistry, 2013, 85, 10526-10530.	3.2	15
2959	A highly oriented hybrid microarray modified electrode fabricated by a template-free method for ultrasensitive electrochemical DNA recognition. Nanoscale, 2013, 5, 10219.	2.8	34
2960	Force-induced mechanical response of molecule–metal interfaces: molecular nanomechanics of propanethiolate self-assembled monolayers on Au(111). Physical Chemistry Chemical Physics, 2013, 15, 16001.	1.3	13
2961	Kinetics and Reaction Mechanisms of Thiophenol Adsorption on Gold Studied by Surface-Enhanced Raman Spectroscopy. Journal of Physical Chemistry C, 2013, 117, 22834-22842.	1.5	50
2962	Conjugates of Magnetic Nanoparticle—Actinide Specific Chelator for Radioactive Waste Separation. Environmental Science & Technology, 2013, 47, 11942-11959.	4.6	77
2963	Quantitative control of poly(ethylene oxide) surface antifouling and biodetection through azimuthally enhanced grating coupled-surface plasmon resonance sensing. Applied Surface Science, 2013, 286, 22-30.	3.1	10
2964	Controlling gold nanoparticle assembly on electron beam-reduced nitrophenyl self-assembled monolayers via electron dose. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 433, 181-190.	2.3	5
2965	Formation of Mixed Monolayers from 11-Mercaptoundecanoic Acid and Octanethiol on Au(111) Single Crystal Electrode under Electrochemical Control. Journal of Physical Chemistry C, 2013, 117, 24307-24316.	1.5	14

		CITATION REPORT	
#	Article	IF	CITATION
2966	In vitro stability study of organophosphonic self assembled monolayers (SAMs) on cobalt chromi (Co–Cr) alloy. Materials Science and Engineering C, 2013, 33, 2050-2058.	um 3.8	3 22
2967	Photovoltaic Effect in Self-Assembled Molecular Monolayers on Gold: Influence of Orbital Energy Level Alignment on Short-Circuit Current Generation. Journal of Physical Chemistry C, 2013, 117, 16820-16829.	1.5	9
2968	Selfâ€Assembled Selenium Monolayers: From Nanotechnology to Materials Science and Adaptive Catalysis. Chemistry - A European Journal, 2013, 19, 17640-17660.	2 1.7	69
2969	Theoretical insights into the adsorption of neutral, radical and anionic thiophenols on gold(111). Physical Chemistry Chemical Physics, 2013, 15, 20363.	1.3	5 25
2970	Probing Interfacial Interactions Using Core–Satellite Plasmon Rulers. Langmuir, 2013, 29, 1477	72-14778. 1.6	5 37
2971	Mechanism of Shape Evolution in Ag Nanoprisms Stabilized by Thiol-Terminated Poly(ethylene gly An in Situ Kinetic Study. Chemistry of Materials, 2013, 25, 4206-4214.	ycol): 3.2	2 40
2972	Femtosecond-laser processing of nitrobiphenylthiol self-assembled monolayers. Applied Surface Science, 2013, 278, 43-46.	3.1	. 3
2973	Balance of Forces in Self-Assembled Monolayers. Journal of Physical Chemistry C, 2013, 117, 24985-24990.	1.5	5 14
2974	Modeling the Impact of Alkanethiol SAMs on the Morphology of Gold Nanocrystals. Crystal Grow and Design, 2013, 13, 5433-5441.	th 1.4	13
2975	Field-effect transistors based on two-dimensional materials for logic applications. Chinese Physics 2013, 22, 098505.	s B, 0.7	7 32
2976	Dynamical Simulation of Electron Transfer Processes in Alkanethiolate Self-Assembled Monolayer the Au(111) Surface. Journal of Physical Chemistry C, 2013, 117, 25334-25342.	s at 1.5	5 15
2977	Bioengineered surfaces promote specific protein–glycan mediated binding of the gastric pathc Helicobacter pylori. Acta Biomaterialia, 2013, 9, 8885-8893.	gen 4.1	. 19
2978	Simultaneous and Sequential Protein and Organothiol Interactions with Gold Nanoparticles. Jour of Physical Chemistry C, 2013, 117, 1366-1374.	nal 1.5	5 17
2979	Fabrication of ssDNA/Oligo(ethylene glycol) Monolayers and Patterns by Exchange Reaction Pror by Ultraviolet Light Irradiation. Journal of Physical Chemistry C, 2013, 117, 24883-24893.	noted 1.5	8
2980	Self-assembly of oxide-supported metal clusters into ring-like structures. Nanotechnology, 2013, 035602.	24, 1.3	6 O
2981	Mechanistic Study of Continuous Reactive Aromatic Organothiol Adsorption onto Silver Nanoparticles. Journal of Physical Chemistry C, 2013, 117, 27146-27154.	1.5	6 43
2982	Synthesis of high quality single-walled carbon nanotubes via a catalytic layer reinforced by self-assembled monolayers. Thin Solid Films, 2013, 545, 50-55.	0.8	3 8
2983	Soap-film coating: High-speed deposition of multilayer nanofilms. Scientific Reports, 2013, 3, 14	77. 1.6	o 12

#	Article	IF	CITATIONS
2984	Organophosphorous functionalization of magnetite nanoparticles. Colloids and Surfaces B: Biointerfaces, 2013, 111, 656-662.	2.5	25
2985	Tuning the apparent formal potential of covalently attached ferrocene using SAM bearing ionizable COOH groups. Electrochimica Acta, 2013, 108, 624-633.	2.6	12
2986	Direct growth of polymer brushes from an electrodeposited conducting poly(dithienylpyrrole) layer functionalized with ATRP initiating moieties. Journal of Electroanalytical Chemistry, 2013, 708, 20-30.	1.9	6
2987	Biosensing using straight long-range surface plasmon waveguides. Optics Express, 2013, 21, 698.	1.7	112
2988	Chemical Modification of Polymer Brushes via Nitroxide Photoclick Trapping. Langmuir, 2013, 29, 6369-6376.	1.6	19
2989	Oligosaccharide biosensor for direct monitoring of enzymatic activities using QCM-D. Biosensors and Bioelectronics, 2013, 49, 290-296.	5.3	14
2990	Surface-enhanced Raman and optical scattering in coupled plasmonic nanoclusters. Journal of Modern Optics, 2013, 60, 1107-1114.	0.6	30
2992	Nanopatterned zinc titanate thin films prepared by the evaporation-induced self-assembly process. Thin Solid Films, 2013, 531, 222-227.	0.8	7
2993	Photocurrent Generation from Surface Assembled Photosystem I on Alkanethiol Modified Electrodes. Langmuir, 2013, 29, 2412-2419.	1.6	64
2994	Structural modulation of the biological activity of gold nanoparticles functionalized with a carbonic anhydrase inhibitor. European Physical Journal E, 2013, 36, 48.	0.7	10
2995	Optimizing the immobilization of gold nanoparticles on functionalized silicon surfaces: amine- vs thiol-terminated silane. Gold Bulletin, 2013, 46, 335-341.	1.1	93
2998	Nanowires and Nanostructures that Grow like Polymer Molecules. Advanced Materials, 2013, 25, 4829-4844.	11.1	23
2999	Toward Understanding the Influence of Intermolecular Interactions and Molecular Orientation on the Chemical Enhancement of SERS. Journal of Physical Chemistry A, 2013, 117, 9028-9038.	1.1	36
3000	Conductive probe AFM study of Pt-thiol and Au-thiol contacts in metal-molecule-metal systems. Journal of Chemical Physics, 2013, 138, 014707.	1.2	19
3001	A novel non-competitive amperometric immunosensor by using thiourea-glutaraldehyde-modified gold electrode for immunoglobulin M detection. Artificial Cells, Nanomedicine and Biotechnology, 2013, 41, 389-394.	1.9	0
3002	Surface Tension in Microsystems. Microtechnology and MEMS, 2013, , .	0.2	25
3003	Electrokinetics over charge-modulated surfaces in the presence of patterned wettability: Role of the anisotropic streaming potential. Physical Review E, 2013, 88, 033001.	0.8	18
3004	Mixed Methyl- and Propyl-Thiolate Monolayers on a Au(111) Surface. Langmuir, 2013, 29, 11082-11086.	1.6	11

#	Article	IF	CITATIONS
3005	Bulk gold (non-nanogold) catalysis of aerobic oxidations of amines, isocyanides, carbon monoxide, and carbene precursors. Catalysis Science and Technology, 2013, 3, 279-296.	2.1	51
3006	Adsorption kinetic process of thiol ligands on gold nanocrystals. Nanoscale, 2013, 5, 11795.	2.8	23
3007	Atomistic Simulations of the Surface Coverage of Large Gold Nanocrystals. Journal of Physical Chemistry C, 2013, 117, 17791-17800.	1.5	45
3008	Surface Tectonics of Nanoporous Networks of Melamineâ€Capped Molecular Building Blocks formed through Interface Schiffâ€Base Reactions. Chemistry - an Asian Journal, 2013, 8, 2466-2470.	1.7	17
3009	What Happens to the Thiolates Created by Reductively Desorbing SAMs? An in Situ Study Using Fluorescence Microscopy and Electrochemistry. Langmuir, 2013, 29, 2065-2074.	1.6	21
3010	Electrochemical study of a self-assembled monolayer of N,N′-bis[(E)-(1-pyridyl) methylidene]-1,3-propanediamine formed on glassy carbon electrode: preparation, characterization and application. Analytical Methods, 2013, 5, 6727.	1.3	14
3011	Fabrication of molecular nanopatterns at aluminium oxide surfaces by nanoshaving of self-assembled monolayers of alkylphosphonates. Nanoscale, 2013, 5, 11125.	2.8	25
3012	Spectroscopic Evidence of Work Function Alterations Due to Photoswitchable Monolayers on Gold Surfaces. Journal of Physical Chemistry C, 2013, 117, 19471-19476.	1.5	8
3013	Substrate wettability induced alterations in convective heat transfer characteristics in microchannel flows: An order parameter approach. International Journal of Heat and Mass Transfer, 2013, 67, 1083-1095.	2.5	12
3014	Food Toxin Detection with Atomic Force Microscope. ACS Symposium Series, 2013, , 125-143.	0.5	0
3015	Analysis of AFM Images of Self-Structured Surface Textures by Directional Fractal Signature Method. Tribology Letters, 2013, 49, 465-480.	1.2	8
3016	Determination of inorganic arsenic in water by a quartz crystal microbalance. Analytical Methods, 2013, 5, 6286.	1.3	5
3017	Autocatalytic effect of amine-terminated precursors in mixed self-assembled monolayers. RSC Advances, 2013, 3, 1112-1118.	1.7	5
3018	Electrochemical piezoelectric-excited millimeter-sized cantilever (ePEMC) for simultaneous dual transduction biosensing. Analyst, The, 2013, 138, 6365.	1.7	7
3019	Tailoring zinc porphyrin to the Ag nanostructure substrate: an effective approach for photoelectrochemical studies in the presence of mononucleotides. Analyst, The, 2013, 138, 3380.	1.7	2
3020	Structure & bonding of the gold-subhalide cluster I-Au144Cl60[z]. Physical Chemistry Chemical Physics, 2013, 15, 19191.	1.3	41
3021	Selective fluorometric detection of aromatic thiols by a chemosensor containing two electrophilic sites with different local softness. Chemical Communications, 2013, 49, 11680.	2.2	46
3022	Adsorption of the organic salt TAB(HCl)4 on Cu(111) studied using STM and XPS. Chemical Communications, 2013, 49, 8665.	2.2	6

#	Article	IF	CITATIONS
3023	2-D gold nanoparticle arrays from thermally directed self-assembly of peptide-derivatized block copolymers. Soft Matter, 2013, 9, 8023.	1.2	6
3024	Promises and challenges of nanoplasmonic devices for refractometric biosensing. Nanophotonics, 2013, 2, 83-101.	2.9	83
3025	Orthogonal bis(terpyridine)–Fe(ii) metal complex oligomer wires on a tripodal scaffold: rapid electron transport. Chemical Communications, 2013, 49, 7108.	2.2	37
3026	Functionalization of organic semiconductor crystals via the Diels–Alder reaction. Chemical Communications, 2013, 49, 4495.	2.2	15
3027	Vacuum-assisted microcontact printing (μCP) for aligned patterning of nano and biochemical materials. Journal of Materials Chemistry C, 2013, 1, 268-274.	2.7	18
3028	Spectroscopic ellipsometry of self assembled monolayers: interface effects. The case of phenyl selenide SAMs on gold. Physical Chemistry Chemical Physics, 2013, 15, 11559.	1.3	24
3029	Modular synthesis, spectroscopic characterization and in situ functionalization using "click― chemistry of azide terminated amide containing self-assembled monolayers. RSC Advances, 2013, 3, 17174.	1.7	11
3030	Growth, solvent effects, and thermal desorption behavior of octylthiocyanate self-assembled monolayers on Au(111). Physical Chemistry Chemical Physics, 2013, 15, 3609.	1.3	29
3031	Controlled polymer monolayer synthesis by radical transfer to surface immobilized transfer agents. Polymer Chemistry, 2013, 4, 1565-1574.	1.9	3
3032	The intriguing reaction of aromatic sulfonyl phthalimides with gold surfaces. Physical Chemistry Chemical Physics, 2013, 15, 348-357.	1.3	6
3033	Porous-layered stack of functionalized AuNP–rGO (gold nanoparticles–reduced graphene oxide) nanosheets as a sensing material for the micro-gravimetric detection of chemical vapor. Journal of Materials Chemistry A, 2013, 1, 4444.	5.2	95
3034	Selective terminal function modification of SAMs driven by low-energy electrons (0–15 eV). Physical Chemistry Chemical Physics, 2013, 15, 7220.	1.3	10
3035	Microtubule nucleation from a functionalised SiO2 EM grid. RSC Advances, 2013, 3, 7688.	1.7	1
3036	Photomediated Oxidation of Atomically Precise Au ₂₅ (SC ₂ H ₄ Ph) ₁₈ [–] Nanoclusters. Journal of Physical Chemistry Letters, 2013, 4, 195-202.	2.1	48
3037	Hydrocarbon Chain Length Induces Surface Structure Transitions in Alkanethiolate–Gold Adatom Self-Assembled Monolayers on Au(111). Journal of Physical Chemistry C, 2013, 117, 2160-2165.	1.5	24
3038	Cell-Permeable Au@ZnMoS ₄ Core–Shell Nanoparticles: Toward a Novel Cellular Copper Detoxifying Drug for Wilson's Disease. Chemistry of Materials, 2013, 25, 4703-4709.	3.2	16
3039	Far-infrared spectra of well-defined thiolate-protected gold clusters. Physical Chemistry Chemical Physics, 2013, 15, 19561.	1.3	32
3040	Tailoring electronic states of a single molecule using adamantane-based molecular tripods. Physical Chemistry Chemical Physics, 2013, 15, 14229.	1.3	18

#	Article	IF	CITATIONS
3041	Quantitative IR Readout of Fulgimide Monolayer Switching on Si(111) Surfaces. Advanced Materials, 2013, 25, 416-421.	11.1	10
3042	Molecular Switches and Motors on Surfaces. Annual Review of Physical Chemistry, 2013, 64, 605-630.	4.8	119
3043	Selfâ€Assembled Monolayers with Dynamicity Stemming from (Bio)Chemical Conversions: From Construction to Application. ChemPhysChem, 2013, 14, 55-69.	1.0	25
3044	Synthesis of nanoparticle/ligand composite thin films by sequential ligand self assembly and surface complex reduction. Journal of Colloid and Interface Science, 2013, 389, 23-30.	5.0	4
3045	Ambient mass spectrometry of covalently bound organic monolayers. Chemical Communications, 2013, 49, 922-924.	2.2	10
3046	Adsorption of Methanethiolate and Atomic Sulfur at the Cu(111) Surface: A Computational Study. Journal of Physical Chemistry C, 2013, 117, 337-348.	1.5	11
3047	Coordination chemistry for antibacterial materials: a monolayer of a Cu2+ 2,2′-bipyridine complex grafted on a glass surface. Dalton Transactions, 2013, 42, 4552.	1.6	21
3048	Modulated Intermolecular Interactions in Ferrocenylalkanethiolate Self-Assembled Monolayers on Gold. Journal of Physical Chemistry C, 2013, 117, 1006-1012.	1.5	53
3049	Glyconanoparticles as multifunctional and multimodal carbohydrate systems. Chemical Society Reviews, 2013, 42, 4728.	18.7	280
3050	The structural and bonding evolution in cysteine–gold cluster complexes. Physical Chemistry Chemical Physics, 2013, 15, 1690-1698.	1.3	38
3050 3051		1.3 2.2	38 13
	Chemical Physics, 2013, 15, 1690-1698. Langmuir–Blodgett monolayer stabilization using supramolecular clips. Chemical Communications,		
3051	 Chemical Physics, 2013, 15, 1690-1698. Langmuir–Blodgett monolayer stabilization using supramolecular clips. Chemical Communications, 2013, 49, 367-369. Electronic structure tuning of diamondoids through functionalization. Journal of Chemical Physics, 	2.2	13
3051 3052	 Chemical Physics, 2013, 15, 1690-1698. Langmuir–Blodgett monolayer stabilization using supramolecular clips. Chemical Communications, 2013, 49, 367-369. Electronic structure tuning of diamondoids through functionalization. Journal of Chemical Physics, 2013, 138, 024310. From the bottom up: dimensional control and characterization in molecular monolayers. Chemical 	2.2 1.2	13 51
3051 3052 3053	Chemical Physics, 2013, 15, 1690-1698. Langmuir–Blodgett monolayer stabilization using supramolecular clips. Chemical Communications, 2013, 49, 367-369. Electronic structure tuning of diamondoids through functionalization. Journal of Chemical Physics, 2013, 138, 024310. From the bottom up: dimensional control and characterization in molecular monolayers. Chemical Society Reviews, 2013, 42, 2725-2745. Self-Assembled Monolayers of <i>n</i> >Alkanethiols Suppress Hydrogen Evolution and Increase the Efficiency of Rechargeable Iron Battery Electrodes. Journal of the American Chemical Society, 2013, 135,	2.2 1.2 18.7	13 51 153
3051 3052 3053 3054	Chemical Physics, 2013, 15, 1690-1698. Langmuir–Blodgett monolayer stabilization using supramolecular clips. Chemical Communications, 2013, 49, 367-369. Electronic structure tuning of diamondoids through functionalization. Journal of Chemical Physics, 2013, 138, 024310. From the bottom up: dimensional control and characterization in molecular monolayers. Chemical Society Reviews, 2013, 42, 2725-2745. Self-Assembled Monolayers of <i>n </i> >-Alkanethiols Suppress Hydrogen Evolution and Increase the Efficiency of Rechargeable Iron Battery Electrodes. Journal of the American Chemical Society, 2013, 135, 347-353.	2.2 1.2 18.7 6.6	13 51 153 93
3051 3052 3053 3054 3055	Chemical Physics, 2013, 15, 1690-1698. Langmuir–Blodgett monolayer stabilization using supramolecular clips. Chemical Communications, 2013, 49, 367-369. Electronic structure tuning of diamondoids through functionalization. Journal of Chemical Physics, 2013, 138, 024310. From the bottom up: dimensional control and characterization in molecular monolayers. Chemical Society Reviews, 2013, 42, 2725-2745. Self-Assembled Monolayers of <i>n</i> -Alkanethiols Suppress Hydrogen Evolution and Increase the Efficiency of Rechargeable Iron Battery Electrodes. Journal of the American Chemical Society, 2013, 135, 347-353. Sensitized Photografting of Diazonium Salts by Visible Light Chemistry of Materials, 2013, 25, 90-97. Near-infrared fluorescent ribonuclease-A-encapsulated gold nanoclusters: preparation,	2.2 1.2 18.7 6.6 3.2	13 51 153 93 61

#	Article	IF	Citations
3059	The improvement of anti-proliferation activity against breast cancer cell line of thioguanine by gold nanoparticles. Medicinal Chemistry Research, 2013, 22, 303-311.	1.1	7
3060	A versatile approach for the functionalization of gold nanorods and nanoparticles. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	5
3061	Multifunctional Gold Nanoparticles for Diagnosis and Therapy of Disease. Molecular Pharmaceutics, 2013, 10, 831-847.	2.3	584
3062	Amplification of Conformational Effects via tert-Butyl Groups: Hexa-tert-butyl Decacyclene on Cu(100) at Room Temperature. Langmuir, 2013, 29, 7309-7317.	1.6	5
3063	DNA Nanoarchitectonics: Assembled DNA at Interfaces. Langmuir, 2013, 29, 7344-7353.	1.6	60
3064	Characterization of a modified gold platform for the development of a label-free anti-thrombin aptasensor. Biosensors and Bioelectronics, 2013, 41, 424-429.	5.3	30
3067	Gold Nanoparticle Capping Layers: Structure, Dynamics, and Surface Enhancement Measured Using 2Dâ€IR Spectroscopy. Angewandte Chemie - International Edition, 2013, 52, 634-638.	7.2	53
3068	Functionalizing αvβ3―or α5β1‧elective Integrin Antagonists for Surface Coating: A Method To Discriminate Integrin Subtypes Inâ€Vitro. Angewandte Chemie - International Edition, 2013, 52, 1572-1575.	7.2	80
3069	Glycopolymers and Glycoâ€nanoparticles in Biomolecular Recognition Processes and Vaccine Development. Macromolecular Bioscience, 2013, 13, 9-27.	2.1	75
3070	Soft colloidal lithography by strong physical contact using swollen magnetic microspheres and magnetic force. Electrochemistry Communications, 2013, 30, 99-102.	2.3	1
3071	Preparation and characterization of some gold nanometric compounds with simple organic materials as precursor: Spectroscopic, biological and anti-cancer assessments. Journal of Molecular Structure, 2013, 1039, 51-60.	1.8	10
3072	Spontaneous desorption and phase transitions of self-assembled alkanethiol and alicyclic thiol monolayers chemisorbed on Au(1 1 1) in ultrahigh vacuum at room temperature. Journal of Colloid and Interface Science, 2013, 394, 522-529.	5.0	43
3073	Bienzyme self-assembled monolayer on gold electrode: An amperometric biosensor for carbaryl determination. Electrochimica Acta, 2013, 114, 394-402.	2.6	28
3074	Reduction of incubation time and enhancement of analyte adhesion uniformity of impedance biosensors using microvibration method. Sensors and Actuators B: Chemical, 2013, 178, 404-411.	4.0	4
3075	Electrochemical characterization of dehaloperoxidase adsorbates on COOH/OH mixed self-assembled monolayers. Journal of Electroanalytical Chemistry, 2013, 703, 23-28.	1.9	6
3076	Synthesis and incorporation of dodecanethiol capped silver nanoparticles into poly(styrene-b-isoprene-b-styrene) block copolymer and their influence in the morphology. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 436, 170-177.	2.3	9
3077	Grafting the sol–gel based sorbents by diazonium salts: A novel approach toward unbreakable capillary microextraction. Journal of Chromatography A, 2013, 1318, 58-64.	1.8	17
3078	Surface-enhanced Raman scattering from magneto-metal nanoparticle assemblies. Analytica Chimica Acta, 2013, 763, 38-42.	2.6	14

#	Article	IF	Citations
3079	Assessment of cadmium-induced hepatotoxicity and protective effects of zinc against it using an improved cell-based biosensor. Sensors and Actuators A: Physical, 2013, 199, 156-164.	2.0	18
3080	Surface Chemistry of 4-Mercaptobenzoic Acid Self-Assembled on Ag(111) and Ag Nanoparticles. Journal of Physical Chemistry C, 2013, 117, 24967-24974.	1.5	21
3081	Combination of solid phase extraction and surface-enhanced Raman spectroscopy for rapid analysis. Analyst, The, 2013, 138, 2598.	1.7	20
3082	Interaction of Endothelial and Smooth Muscle Cells with Cobalt–Chromium Alloy Surfaces Coated with Paclitaxel Deposited Self-Assembled Monolayers. Langmuir, 2013, 29, 14254-14264.	1.6	9
3083	Photoactivated cyclization of aryl-containing enediynes coated gold nanoparticles: Enhancement of the DNA cleavage ability of enediynes. Colloids and Surfaces B: Biointerfaces, 2013, 112, 513-520.	2.5	11
3084	A new simple method to heal defects and to improve electrode passivity of aromatic SAMs on gold. Journal of Electroanalytical Chemistry, 2013, 708, 68-72.	1.9	5
3085	Ag nanowires as precursors to synthesize novel Ag-CeO2 nanotubes for H2 production by methanol reforming. Catalysis Today, 2013, 212, 225-231.	2.2	19
3086	Wafer-scale directed self-assembly of nanostructures using self-assembled monolayer based controlled-wetting. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 436, 1076-1082.	2.3	4
3087	Helium atom diffraction study of low coverage phases of decanethiol self-assembled monolayers prepared by supersonic molecular beam deposition. Applied Surface Science, 2013, 268, 98-102.	3.1	6
3088	Formation of nanoscale reaction field using combination of top-down and bottom-up nanofabricaiton. Microelectronic Engineering, 2013, 110, 369-373.	1.1	8
3089	The surface morphology of thin Au films deposited on Si(001) substrates by sputter deposition. Thin Solid Films, 2013, 534, 54-61.	0.8	2
3090	Thickness dependent morphology of Au and TiO 2 and optical study of TiO 2 thin films on patterns of self-assembled monolayers. Surface and Coatings Technology, 2013, 231, 412-417.	2.2	10
3091	Inhibition of carbon formation during steam reforming of methane over ethyldisulfide-impregnated metallic nickel catalysts. Catalysis Today, 2013, 207, 21-27.	2.2	4
3092	Layer-by-layer assembly of polyelectrolyte and graphene oxide for open-tubular capillary electrochromatography. Journal of Chromatography A, 2013, 1282, 95-101.	1.8	51
3093	Patterning of hafnia and titania via gas-phase soft lithography combined with atomic layer deposition. Applied Surface Science, 2013, 285, 220-225.	3.1	3
3094	A protecting-deprotecting strategy for structuring robust functional films using aryldiazonium electroreduction. Journal of Electroanalytical Chemistry, 2013, 688, 298-303.	1.9	11
3095	Fabrication of chemical templates via selective laser-induced desorption of hexadecanethiol self-assembled monolayers. Applied Surface Science, 2013, 278, 57-61.	3.1	2
3096	SERS and DFT study of 4,4′-biphenyl dicarboxylic acid on silver surfaces: The orientation and vibrational assignment. Journal of Molecular Structure, 2013, 1050, 128-132.	1.8	10

#	Article	IF	CITATIONS
3097	Ultrasensitive and label-free detection of annexin A3 based on quartz crystal microbalance. Sensors and Actuators B: Chemical, 2013, 177, 172-177.	4.0	25
3098	Assembling Ag nanoparticles into morphology controlled secondary structures on loosely packed self-assembled monolayers. Journal of Colloid and Interface Science, 2013, 394, 639-642.	5.0	8
3099	Nitroxyl radical self-assembled monolayers: Generalized lateral interactions model used with binary electrolyte mixture. Electrochemistry Communications, 2013, 28, 122-126.	2.3	4
3100	Benchmark calculations of density functionals for organothiol adsorption on gold surfaces. Computational and Theoretical Chemistry, 2013, 1009, 60-69.	1.1	3
3101	Electroactive mixed self-assembled monolayers: Lateral interactions model updated to interactions between redox and non-redox species. Electrochemistry Communications, 2013, 34, 165-169.	2.3	10
3102	Biosensors and Bioassays for Ecological Risk Monitoring and Assessment. , 2013, , 121-142.		1
3103	Functionalizing Nanoparticles with Biological Molecules: Developing Chemistries that Facilitate Nanotechnology. Chemical Reviews, 2013, 113, 1904-2074.	23.0	1,173
3104	Gold nanoparticles induce transcriptional activity of NF-κB in a B-lymphocyte cell line. Nanoscale, 2013, 5, 3747.	2.8	49
3105	Improving the Charge Transport in Self-Assembled Monolayer Field-Effect Transistors: From Theory to Devices. Journal of the American Chemical Society, 2013, 135, 4893-4900.	6.6	72
3106	Synthesis of azobenzene substituted tripod-shaped bi(p-phenylene)s. Adsorption on gold and CdS quantum-dots surfaces. Tetrahedron, 2013, 69, 3465-3474.	1.0	9
3107	Nanotools for Neuroscience and Brain Activity Mapping. ACS Nano, 2013, 7, 1850-1866.	7.3	323
3108	Interlocked host molecules for anion recognition and sensing. Coordination Chemistry Reviews, 2013, 257, 2434-2455.	9.5	138
3109	Modification of self assembled monolayers by highly charged ions. Nuclear Instruments & Methods in Physics Research B, 2013, 299, 68-70.	0.6	3
3110	Label-free detection of glycoproteins by the lectin biosensor down to attomolar level using gold nanoparticles. Talanta, 2013, 108, 11-18.	2.9	86
3111	Dimethyl Disulfide on Cu(111): From Nondissociative to Dissociative Adsorption. Journal of Physical Chemistry C, 2013, 117, 6587-6593.	1.5	5
3112	Surface Silverized <i>Meta</i> -Aramid Fibers Prepared by Bio-inspired Poly(dopamine) Functionalization. ACS Applied Materials & Interfaces, 2013, 5, 2062-2069.	4.0	172
3113	Hetero-Coated Magnetic Microcarriers for Point-Of-Care Diagnostics. IEEE Transactions on Magnetics, 2013, 49, 285-295.	1.2	7
3114	Coverage- and Temperature-Controlled Isomerization of an Imine Derivative on Au(111). Journal of the American Chemical Society, 2013, 135, 4273-4281.	6.6	25

#	Article	IF	Citations
3115	Single-walled carbon nanotube field-effect transistors with graphene oxide passivation for fast, sensitive, and selective proteindetection. Biosensors and Bioelectronics, 2013, 42, 186-192.	5.3	40
3116	Self assembled monolayers (SAMs) on metallic surfaces (gold and graphene) for electronic applications. Journal of Materials Chemistry C, 2013, 1, 376-393.	2.7	87
3117	Alkylation of Gold Surface by Treatment with C18H37HgOTs and Anodic Hg Stripping. Journal of the American Chemical Society, 2013, 135, 5669-5677.	6.6	11
3118	Self-assembled peptides on polymer surfaces: towards morphology-dependent surface functionalization. Soft Matter, 2013, 9, 3469.	1.2	13
3119	Effect of the Steric Molecular Structure of Azobenzene on the Formation of Self-Assembled Monolayers with a Photoswitchable Surface Morphology. Langmuir, 2013, 29, 4622-4631.	1.6	26
3120	One pot, single step, room temperature dielectrophoretic deposition of gold nanoparticles clusters on polyethylene terephthalate substrate. Electrophoresis, 2013, 34, 1182-1188.	1.3	3
3121	A low-cost paper-based inkjet-printed platform for electrochemical analyses. Sensors and Actuators B: Chemical, 2013, 177, 153-162.	4.0	166
3122	Using Supramolecular Binding Motifs To Provide Precise Control over the Ratio and Distribution of Species in Multiple Component Films Grafted on Surfaces: Demonstration Using Electrochemical Assembly from Aryl Diazonium Salts. Langmuir, 2013, 29, 4772-4781.	1.6	26
3123	STEM Electron Diffraction and High-Resolution Images Used in the Determination of the Crystal Structure of the Au ₁₄₄ (SR) ₆₀ Cluster. Journal of Physical Chemistry Letters, 2013, 4, 975-981.	2.1	122
3124	Surface-modified multifunctional MIP nanoparticles. Nanoscale, 2013, 5, 3733.	2.8	79
3125	NEXAFS Studies of Molecular Orientations at Molecule-Substrate Interfaces. , 2013, , 119-151.		3
3126	A Surface Scientist's View on Spectroscopic Ellipsometry. Springer Series in Surface Sciences, 2013, , 99-135.	0.3	7
3127	Palladium-Mediated Strategies for Functionalizing the Dihydroazulene Photoswitch: Paving the Way for Its Exploitation in Molecular Electronics. Journal of Organic Chemistry, 2013, 78, 4348-4356.	1.7	14
3128	Accommodation of Lattice Mismatch in a Thiol Self-Assembled Monolayer. Journal of Physical Chemistry C, 2013, 117, 4647-4656.	1.5	6
3129	Self-Assembled Monolayers of NH ₂ -Terminated Thiolates: Order, p <i>K</i> _a , and Specific Adsorption. Langmuir, 2013, 29, 5351-5359.	1.6	54
3130	On Electrogenerated Acid-Facilitated Electrografting of Aryltriazenes to Create Well-Defined Aryl-Tethered Films. Langmuir, 2013, 29, 5181-5189.	1.6	5
3131	A survey of place-exchange reaction for the preparation of water-soluble gold nanoparticles. Journal of Colloid and Interface Science, 2013, 392, 415-421.	5.0	31
3132	Critical role of surface hydration on the dynamics of serum adsorption studied with monoethylene glycol adlayers on gold. Chemical Communications, 2013, 49, 466-468.	2.2	16

#	Article	IF	CITATIONS
3133	Structural characterization of a series of aryl selenoacetates. Journal of Molecular Structure, 2013, 1039, 61-70.	1.8	10
3134	Giant gemini surfactants based on polystyrene–hydrophilic polyhedral oligomeric silsesquioxane shape amphiphiles: sequential "click―chemistry and solution self-assembly. Chemical Science, 2013, 4, 1345.	3.7	111
3135	Tuning drug loading and release properties of diatom silica microparticles by surface modifications. International Journal of Pharmaceutics, 2013, 443, 230-241.	2.6	122
3136	Switching On/Off the Chemisorption of Thioctic-Based Self-Assembled Monolayers on Gold by Applying a Moderate Cathodic/Anodic Potential. Langmuir, 2013, 29, 5360-5368.	1.6	41
3137	Molecular recognition between functionalized gold nanoparticles and healable, supramolecular polymer blends – a route to property enhancement. Polymer Chemistry, 2013, 4, 4902.	1.9	55
3138	Redox-Active π-Conjugated Organometallic Monolayers: Pronounced Coulomb Blockade Characteristic at Room Temperature. Langmuir, 2013, 29, 3106-3115.	1.6	24
3139	Salt Dependent Stability of Stearic Acid Langmuir–Blodgett Films Exposed to Aqueous Electrolytes. Langmuir, 2013, 29, 5150-5159.	1.6	35
3140	An unusual self-assembly of a deuteroporphyrin 4-aminothiophenol derivative on Au(111) surfaces. New Journal of Chemistry, 2013, 37, 1610.	1.4	7
3141	Enhanced sensitivity azimuthally controlled grating-coupled surface plasmon resonance applied to the calibration of thiol-poly(ethylene oxide) grafting. Sensors and Actuators B: Chemical, 2013, 181, 559-566.	4.0	9
3142	Enantiopure Chiral Poly(glycerol methacrylate) Selfâ€Assembled Monolayers Knock Down Protein Adsorption and Cell Adhesion. Advanced Healthcare Materials, 2013, 2, 1377-1387.	3.9	16
3143	XANES Study of the Radiation Damage on Alkanethiolates-Capped Au Nanoparticles. Journal of Physics: Conference Series, 2013, 430, 012034.	0.3	4
3144	X-ray photoelectron spectroscopy and electrochemical studies of ruthenium electrodeposition at 6-mercaptohexanol modified platinum electrodes. Electrochimica Acta, 2013, 103, 58-65.	2.6	2
3145	Are multivalent cluster glycosides a means of controlling ligand density of glycoarrays?. Carbohydrate Research, 2013, 371, 22-31.	1.1	16
3146	Dissecting Colloidal Stabilization Factors in Crowded Polymer Solutions by Forming Self-Assembled Monolayers on Gold Nanoparticles. Langmuir, 2013, 29, 6018-6024.	1.6	29
3147	Modeling of Protected Nanoparticles. Nanostructure Science and Technology, 2013, , 275-304.	0.1	0
3148	Interfacial Structure of Primary and Tertiary Liquid Alcohols over Hydrophilic Thiolate Monolayers. Journal of Physical Chemistry C, 2013, 117, 5730-5735.	1.5	9
3149	Activity analysis of the carbodiimide-mediated amine coupling reaction on self-assembled monolayers by cyclic voltammetry. Electrochimica Acta, 2013, 89, 616-622.	2.6	58
3150	Gold Nanotip Array for Ultrasensitive Electrochemical Sensing and Spectroscopic Monitoring. Small, 2013, 9, 2260-2265.	5.2	23

#	Article	IF	CITATIONS
3151	An Introduction to Electrochemical Methods for the Functional Analysis of Metalloproteins. , 2013, , 179-216.		6
3152	Self-assembled monolayers formed by helical peptide building blocks: a new tool for bioinspired nanotechnology. Polymer Journal, 2013, 45, 468-480.	1.3	29
3153	Detection of Tellurium in Presence of Extra Arsenic on Gold Electrodes Modified By Benzenedithiol Selfâ€Assembled Monolayers. Electroanalysis, 2013, 25, 503-506.	1.5	1
3154	Electron transfer properties of mono- and diferrocenyl based Cu complexes attached as self-assembled monolayers on gold electrodes by "self-induced―electroclick. Journal of Electroanalytical Chemistry, 2013, 710, 48-58.	1.9	7
3155	Layer-By-Layer Assembly of Ag Nanowires into 3D Woodpile-like Structures to Achieve High Density "Hot Spots―for Surface-Enhanced Raman Scattering. Langmuir, 2013, 29, 7061-7069.	1.6	116
3156	Significant Improvement of Dye-Sensitized Solar Cell Performance Using Simple Phenothiazine-Based Dyes. Chemistry of Materials, 2013, 25, 2146-2153.	3.2	250
3157	Suppression of electron–vibron coupling in graphene nanoribbons contacted via a single atom. Nature Communications, 2013, 4, 2023.	5.8	177
3158	Layer-by-Layer Growth and Photocurrent Generation in Metal–Organic Coordination Films. Journal of Physical Chemistry C, 2013, 117, 12502-12509.	1.5	36
3159	Straightforward, One-Step Synthesis of Alkanethiol-capped Silver Nanoparticles from an Aggregative Model of Growth. Langmuir, 2013, 29, 9291-9300.	1.6	23
3160	An electrochemical impedance sensor for the label-free ultrasensitive detection of interleukin-6 antigen. Sensors and Actuators B: Chemical, 2013, 178, 310-315.	4.0	88
3161	Synthesis and photochromic properties of a novel thiol-terminated 1,3-diazabicyclo[3.1.0]hex-3-ene on silver nanoparticles. Journal of Molecular Structure, 2013, 1048, 166-171.	1.8	18
3162	Controllable Nitric Oxide Release in the Presence of Gold Nanoparticles. Langmuir, 2013, 29, 8061-8069.	1.6	39
3163	Enzymatic reactions on immobilised substrates. Chemical Society Reviews, 2013, 42, 6378.	18.7	79
3164	A multi-scale molecular dynamics study of the assembly of micron-size supraparticles from 30 nm alkyl-coated nanoparticles. Physical Chemistry Chemical Physics, 2013, 15, 8132.	1.3	7
3165	Thiol passivation of MWIR type II superlattice photodetectors. Proceedings of SPIE, 2013, , .	0.8	2
3166	Preparation and photolithography of self-assembled monolayers of 10-mercaptodecanylphosphonic acid on glass mediated by zirconium for protein patterning. Colloids and Surfaces B: Biointerfaces, 2013, 108, 66-71.	2.5	14
3167	Surface Deposition Resulting from Collisions between Diglycine and Chemically Modified Alkylthiolate Self-Assembled Monolayer Surfaces. Journal of Physical Chemistry C, 2013, 117, 13087-13093.	1.5	16
3168	Evolution of Conformational Order During Self-Assembly of <i>n</i> -Alkanethiols on Hg Droplets: An Infrared Spectromicroscopy Study. Langmuir, 2013, 29, 8203-8207.	1.6	5

#	Article	IF	CITATIONS
3169	Plasmonic nanocomposites: polymer-guided strategies for assembling metal nanoparticles. Nanoscale, 2013, 5, 5677.	2.8	84
3170	Barnacle Cement as Surface Anchor for "Clicking―of Antifouling and Antimicrobial Polymer Brushes on Stainless Steel. Biomacromolecules, 2013, 14, 2041-2051.	2.6	94
3171	In Vivo Bio‣afety Evaluations and Diagnostic/Therapeutic Applications of Chemically Designed Mesoporous Silica Nanoparticles. Advanced Materials, 2013, 25, 3144-3176.	11.1	636
3172	Influence of an Atom in EGaln/Ga ₂ O ₃ Tunneling Junctions Comprising Self-Assembled Monolayers. Journal of Physical Chemistry C, 2013, 117, 11367-11376.	1.5	67
3173	Hydrogen-bond-driven â€~homogeneous intercalation' for rapid, reversible, and ultra-precise actuation of layered clay nanosheets. Chemical Communications, 2013, 49, 3631.	2.2	23
3174	Synthesis of New Gold(I) Thiolates Containing Amino Acid Moieties with Potential Biological Interest. Inorganic Chemistry, 2013, 52, 6473-6480.	1.9	19
3175	The striped phases of ethylthiolate monolayers on the Au(111) surface: A scanning tunneling microscopy study. Journal of Chemical Physics, 2013, 138, 194707.	1.2	18
3176	Design and Synthesis of a Class of Twinâ€Chain Amphiphiles for Selfâ€Assembled Monolayerâ€Based Electrochemical Biosensor Applications. European Journal of Organic Chemistry, 2013, 2013, 3263-3270.	1.2	3
3177	Surface and interface control of noble metal nanocrystals for catalytic and electrocatalytic applications. Nano Today, 2013, 8, 168-197.	6.2	431
3178	A â€~dual click' strategy for the fabrication of bioselective, glycosylated self-assembled monolayers as glycocalyx models. Organic and Biomolecular Chemistry, 2013, 11, 4006.	1.5	13
3179	Programmable Fractal Nanostructured Interfaces for Specific Recognition and Electrochemical Release of Cancer Cells. Advanced Materials, 2013, 25, 3566-3570.	11.1	198
3180	Understanding the Equilibria of Thio Compounds Adsorbed on Gold by Surface-Enhanced Raman Scattering and Density Functional Theory Calculations. Journal of Physical Chemistry C, 2013, 117, 6275-6283.	1.5	17
3181	Virusâ€Tethered Magnetic Gold Microspheres with Biomimetic Architectures for Enhanced Immunoassays. Advanced Functional Materials, 2013, 23, 1484-1489.	7.8	13
3182	Probing the Orientation of \hat{l}^2 -Lactoglobulin on Gold Surfaces Modified by Alkyl Thiol Self-Assembled Monolayers. Journal of Physical Chemistry C, 2013, 117, 11569-11577.	1.5	31
3183	Design of Polymer-Brush-Grafted Magnetic Nanoparticles for Highly Efficient Water Remediation. ACS Applied Materials & Interfaces, 2013, 5, 3784-3793.	4.0	126
3184	Regular poly(para-phenylene) films bound to gold surfaces through the electrochemical reduction of diazonium salts followed by electropolymerization in an ionic liquid. Electrochimica Acta, 2013, 106, 172-180.	2.6	25
3185	A route towards superhydrophobic graphene surfaces: surface-treated reduced graphene oxide spheres. Journal of Materials Chemistry A, 2013, 1, 7312.	5.2	85
3186	Quantifying Thiol Ligand Density of Self-Assembled Monolayers on Gold Nanoparticles by Inductively Coupled Plasma–Mass Spectrometry. ACS Nano, 2013, 7, 1129-1136.	7.3	293

ARTICLE IF CITATIONS Surface Modification of Silicon Oxide with Trialkoxysilanes toward Close-Packed Monolayer 3187 25 1.6 Formation. Langmuir, 2013, 29, 6361-6368. Is the Focus on "Molecules―Obsolete?. Annual Review of Analytical Chemistry, 2013, 6, 1-29. 2.8 Metal hierarchical patterning by direct nanoimprint lithography. Scientific Reports, 2013, 3, 1078. 3189 1.6 80 Bottom-up Organisation of Metallic Nanoparticles. Nano-optics and Nanophotonics, 2013, , 1-37. 3190 0.2 Effect of various terminal groups on long-term protective properties of aromatic SAMs on copper in 3191 1.9 19 acidic environment. Journal of Electroanalytical Chemistry, 2013, 693, 86-94. Peptides as New Smart Bionanomaterials: Molecularâ€Recognition and Selfâ€Assembly Capabilities. Chemical Record, 2013, 13, 172-186. 3192 Bioinspired Multiple-Interaction Model Revealed in Adsorption of Low-Density Lipoprotein to Surface 3193 1.6 15 Containing Saccharide and Alkanesulfonate. Langmuir, 2013, 29, 8363-8369. Ultrathin Reduced Graphene Oxide Films as Transparent Topâ€Contacts for Light Switchable Solidâ€State 3194 11.1 Molecular Junctions. Advanced Materials, 2013, 25, 4164-4170. Conformationally Constrained Functional Peptide Monolayers for the Controlled Display of 3195 1.6 17 Bioactive Carbohydrate Ligands. Langmuir, 2013, 29, 8187-8192. Surface Patterning., 2013, , 276-301. Toward Three-Dimensional Microelectronic Systems: Directed Self-Assembly of Silicon Microcubes via 3197 1.6 8 DNA Surface Functionalization. Langmuir, 2013, 29, 8410-8416. In situ self-assembled photo-switchable liquid crystal alignment layer using azosilane monomer-liquid 3198 0.9 crystal mixture system. Liquid Crystals, 2013, 40, 1227-1237. Bending Potential as an Important Factor for the Structure of Monomolecular Thiolate Layers on 3199 2.1 6 GaAs Substrates. Journal of Physical Chemistry Letters, 2013, 4, 2217-2222. Topographically Flat Substrates with Embedded Nanoplasmonic Devices for Biosensing. Advanced Functional Materials, 2013, 23, 2812-2820. 3200 36 Display of Amino Groups on Substrate Surfaces by Simple Dip-Coating of Methacrylate-Based Polymers 3201 22 1.6 and Its Application to DNA Immobilization. Langmuir, 2013, 29, 932-938. 3D-nanostructured scaffold electrodes based on single-walled carbon nanotubes and nanodiamonds for high performance biosensors. Carbon, 2013, 61, 349-356. Substrate-induced self-assembly of donor–acceptor type compounds with terminal thiocarbonyl 3204 0.8 6 groups. Thin Solid Films, 2013, 539, 127-133.

CITATION REPORT

A Comparative Passivation Study for InAs/GaSb Pin Superlattice Photodetectors. IEEE Journal of 1.0 23 Quantum Electronics, 2013, 49, 661-666.

#	Article	IF	CITATIONS
3206	Ferrocene-terminated alkanethiol self-assembled monolayers: An electrochemical and in situ surface-enhanced infra-red absorption spectroscopy study. Electrochimica Acta, 2013, 107, 33-44.	2.6	45
3207	Merging catalysis and supramolecular aggregation features of triptycene based Zn(salphen)s. Dalton Transactions, 2013, 42, 7962.	1.6	22
3208	Bâ€Mercaptocarboranes: A New Synthetic Route. European Journal of Inorganic Chemistry, 2013, 2013, 2488-2491.	1.0	25
3209	Nonlinear Vibrational Spectroscopy. Springer Series in Surface Sciences, 2013, , 137-161.	0.3	0
3210	Advanced Applications of NEXAFS Spectroscopy for Functionalized Surfaces. Springer Series in Surface Sciences, 2013, , 277-303.	0.3	60
3211	Spectroscopic Evidence for Neutral and Anionic Adsorption of (<i>S</i>)-Glutamic Acid on Ag(111). Langmuir, 2013, 29, 6867-6875.	1.6	6
3212	Adsorption of a Protein Monolayer via Hydrophobic Interactions Prevents Nanoparticle Aggregation under Harsh Environmental Conditions. ACS Sustainable Chemistry and Engineering, 2013, 1, 833-842.	3.2	163
3213	Addressable Carbene Anchors for Gold Surfaces. Journal of the American Chemical Society, 2013, 135, 7418-7421.	6.6	217
3214	Control of nucleation and crystal growth kinetics of MOF-5 on functionalized gold surfaces. Microporous and Mesoporous Materials, 2013, 175, 107-115.	2.2	22
3215	Effect of thiol self-assembled monolayers and plasma polymer films on dealloying of Cu–Au alloys. RSC Advances, 2013, 3, 6586.	1.7	16
3216	Hybrid POSS-Containing Brush on Gold Surfaces for Protein Resistance. Macromolecular Bioscience, 2013, 13, 921-926.	2.1	9
3217	Imidazolium-Based Ionic Liquid Surfaces for Biosensing. Analytical Chemistry, 2013, 85, 5770-5777.	3.2	36
3218	Irradiation Promoted Exchange Reaction with Disulfide Substituents. Journal of Physical Chemistry C, 2013, 117, 14534-14543.	1.5	7
3219	<i>In Situ</i> Functionalization and PEO Coating of Iron Oxide Nanocrystals Using Seeded Emulsion Polymerization. Langmuir, 2013, 29, 4915-4921.	1.6	26
3220	DNA-Functionalized Quantum Dots: Fabrication, Structural, and Physicochemical Properties. Langmuir, 2013, 29, 7038-7046.	1.6	59
3221	Hydrophobization of Inorganic Oxide Surfaces Using Dimethylsilanediol. Langmuir, 2013, 29, 1329-1332.	1.6	22
3222	Using the Langmuir–Schaefer technique to fabricate large-area dense SERS-active Au nanoprism monolayer films. Nanoscale, 2013, 5, 6404.	2.8	69
3223	Functional Singleâ€Layer Graphene Sheets from Aromatic Monolayers. Advanced Materials, 2013, 25, 4146-4151.	11.1	56

#	Article	IF	CITATIONS
3224	Dynamics of Decanethiol Self-Assembled Monolayers on Au(111) Studied by Time-Resolved Scanning Tunneling Microscopy. Langmuir, 2013, 29, 2250-2257.	1.6	25
3225	Molecularly stabilised ultrasmall gold nanoparticles: synthesis, characterization and bioactivity. Nanoscale, 2013, 5, 6224.	2.8	82
3226	Biomolecules at Interfaces: Chiral, Naturally. Topics in Current Chemistry, 2013, 333, 109-156.	4.0	24
3227	Photodimerization and Micropatterning of Anthracene-Appended Receptors Covalently Bound to Silicon Surfaces: En Route to Write–Read–Erase Molecular Print Board. Journal of Physical Chemistry C, 2013, 117, 12725-12734.	1.5	16
3228	Gold–deferrioxamine nanometric interface for selective recognition of Fe(III) using square wave voltammetry and electrochemical impedance spectroscopy methods. Biosensors and Bioelectronics, 2013, 39, 31-36.	5.3	36
3229	Solvent and concentration effects on the surface characteristics and platelet compatibility of zwitterionic sulfobetaine-terminated self-assembled monolayers. Colloids and Surfaces B: Biointerfaces, 2013, 101, 376-383.	2.5	23
3230	A spatially and chemically defined platform for the uniform growth of human pluripotent stem cells. Materials Science and Engineering C, 2013, 33, 234-241.	3.8	5
3231	Physical and chemical characterization of adsorbed protein onto gold electrode functionalized with Tunisian coral and nacre. Materials Science and Engineering C, 2013, 33, 537-542.	3.8	3
3232	Structure of Self-Assembled Monolayers of Partially Fluorinated Alkanethiols with a Fluorocarbon Part of Variable Length on Gold Substrate. Journal of Physical Chemistry C, 2013, 117, 18967-18979.	1.5	36
3233	Workâ€Function Modification of Au and Ag Surfaces upon Deposition of Selfâ€Assembled Monolayers: Influence of the Choice of the Theoretical Approach and the Thiol Decomposition Scheme. ChemPhysChem, 2013, 14, 2939-2946.	1.0	14
3234	Size Effect and Odd–Even Alternation in the Melting of Single and Stacked AgSC <i>n</i> Layers: Synthesis and Nanocalorimetry Measurements. Journal of the American Chemical Society, 2013, 135, 14286-14298.	6.6	39
3235	Adsorption of Primary Substituted Hydrocarbons onto Solid Gallium Substrates. Langmuir, 2013, 29, 4568-4573.	1.6	12
3236	Complete Structural Phases for Self-Assembled Methylthiolate Monolayers on Au(111). Journal of Physical Chemistry C, 2013, 117, 21234-21244.	1.5	14
3237	Proton-Coupled Electron Transfer and Lewis Acid Recognition at Self-Assembled Monolayers of an Oxo-Bridged Diruthenium(III) Complex Functionalized with Two Disulfide Anchors. Langmuir, 2013, 29, 10110-10119.	1.6	13
3238	Influence of molecular length on the adsorption of linear trimethylsilylacetylene derivatives at the n-tetradecane/Au(111) interface: chemisorption vs. physisorption. New Journal of Chemistry, 2013, 37, 2261.	1.4	9
3239	Defining synthetic surfaces for human pluripotent stem cell culture. Cell Regeneration, 2013, 2, 2:7.	1.1	31
3240	Image Contrast in Sum Frequency Generation Microscopy Based on Monolayer Order and Coverage. Journal of Physical Chemistry C, 2013, 117, 15192-15202.	1.5	23
3241	Solvent-Responsive Wettability of Self-Assembled Monolayers of Dithiooctanoic Acid Derivatives Bearing N,N-Disubstituted Amide Groups. Langmuir, 2013, 29, 13003-13007.	1.6	8

#	Article	IF	CITATIONS
3242	Self-Assembled Monolayer Films Derived from Tridentate Cyclohexyl Adsorbates with Alkyl Tailgroups of Increasing Chain Length. Langmuir, 2013, 29, 14108-14116.	1.6	19
3243	Electrotriggered, Spatioselective, Quantitative Gene Delivery into a Single Cell Nucleus by Au Nanowire Nanoinjector. Nano Letters, 2013, 13, 2431-2435.	4.5	35
3244	Tridentate Adsorbates with Cyclohexyl Headgroups Assembled on Gold. Langmuir, 2013, 29, 561-569.	1.6	27
3245	<i>Ab initio</i> DFT study of 6-mercapto-hexane SAMs: effect of Au surface defects on the monolayer assembly. Molecular Simulation, 2013, 39, 292-298.	0.9	7
3246	Carbon X-ray absorption spectra of fluoroethenes and acetone: A study at the coupled cluster, density functional, and static-exchange levels of theory. Journal of Chemical Physics, 2013, 138, 124311.	1.2	53
3247	DNA-Modified Electrodes Fabricated Using Copper-Free Click Chemistry for Enhanced Protein Detection. Langmuir, 2013, 29, 16141-16149.	1.6	37
3248	Defining the Value of Injection Current and Effective Electrical Contact Area for EGaln-Based Molecular Tunneling Junctions. Journal of the American Chemical Society, 2013, 135, 18131-18144.	6.6	229
3249	Helium Diffraction Study of Low Coverage Phases of Mercaptoundecanol and Octadecanethiol Self-Assembled Monolayers on Au(111) Prepared by Supersonic Molecular Beam Deposition. Journal of Physical Chemistry C, 2013, 117, 9801-9811.	1.5	6
3250	Self-Assembly of Mono- And Bidentate Oligoarylene Thiols onto Polycrystalline Au. Langmuir, 2013, 29, 13198-13208.	1.6	19
3251	Adsorption of a PEO–PPO–PEO triblock copolymer on metal oxide surfaces with a view to reducing protein adsorption and further biofouling. Biofouling, 2013, 29, 1123-1137.	0.8	14
3252	Self-assembled peptide beads used as a template for ordered gold nanoparticle superstructures. Colloids and Surfaces B: Biointerfaces, 2013, 112, 542-547.	2.5	8
3253	Nanosphere Lithography: A Powerful Method for the Controlled Manufacturing of Nanomaterials. Journal of Nanomaterials, 2013, 2013, 1-19.	1.5	198
3254	Electric-Field-Enhanced Condensation on Superhydrophobic Nanostructured Surfaces. ACS Nano, 2013, 7, 11043-11054.	7.3	180
3255	Electrochemical behavior of N-methyl-N′-carboxydecyl-4,4′-bipyridinium probed by surface-enhanced Raman spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 114, 55-60.	2.0	1
3256	SU-8 photolithography on reactive plasma thin-films: coated microwells for peptide display. Colloids and Surfaces B: Biointerfaces, 2013, 108, 313-321.	2.5	12
3257	Gold nanoparticles functionalized with a fragment of the neural cell adhesion molecule L1 stimulate L1-mediated functions. Nanoscale, 2013, 5, 10605.	2.8	25
3258	First Observation of a Kondo Resonance for a Stable Neutral Pure Organic Radical, 1,3,5-Triphenyl-6-oxoverdazyl, Adsorbed on the Au(111) Surface. Journal of the American Chemical Society, 2013, 135, 651-658.	6.6	56
3259	Biomolecular Recognition Principles for Bionanocombinatorics: An Integrated Approach To Elucidate Enthalpic and Entropic Factors. ACS Nano, 2013, 7, 9632-9646.	7.3	142

#	Article	IF	CITATIONS
3260	Theoretical Insight into the Inelastic Electron Tunneling Spectra of an Anil Derivative. Journal of Physical Chemistry A, 2013, 117, 12783-12795.	1.1	4
3261	Oxygen Attachment on Alkanethiolate SAMs Induced by Low-Energy Electron Irradiation. Langmuir, 2013, 29, 5222-5229.	1.6	8
3262	Thermodynamic Profiles at the Solvated Inorganic–Organic Interface: The Case of Gold–Thiolate Monolayers. Nano Letters, 2013, 13, 4442-4448.	4.5	42
3263	Regeneration of Gold Surfaces Covered by Adsorbed Thiols and Proteins Using Liquid-Phase Hydrogen Peroxide-Mediated UV-Photooxidation. Journal of Physical Chemistry C, 2013, 117, 1335-1341.	1.5	20
3264	Characterization of SAMs Derived from Octadecyloxyphenylethanethiols by Sum Frequency Generation. Journal of Physical Chemistry C, 2013, 117, 9355-9365.	1.5	14
3265	Electron Beam Induced Surface Activation of Ultrathin Porphyrin Layers on Ag(111). Langmuir, 2013, 29, 12290-12297.	1.6	15
3266	Micro/nano-scale materials and structures for constructing neuronal networks and addressing neurons. Journal of Materials Chemistry C, 2013, 1, 7652.	2.7	12
3267	Toward a new world of molecular devices: Making metallic contacts to molecules. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2013, 31, 050816.	0.9	21
3268	Nanostructured Monolayers on Carbon Substrates Prepared by Electrografting of Protected Aryldiazonium Salts. Chemistry of Materials, 2013, 25, 489-495.	3.2	83
3269	Molecular Dynamics and Energy Landscape of Decanethiolates in Self-Assembled Monolayers on Au(111) Studied by Scanning Tunneling Microscopy. Langmuir, 2013, 29, 3662-3667.	1.6	23
3270	Tunable Microstructured Surface-Enhanced Raman Scattering Substrates via Electrohydrodynamic Lithography. Journal of Physical Chemistry Letters, 2013, 4, 4153-4159.	2.1	23
3271	Spatially Selective Formation of Hydrocarbon, Fluorocarbon, and Hydroxyl-Terminated Monolayers on a Microelectrode Array. Langmuir, 2013, 29, 6779-6783.	1.6	1
3272	Hybridization of Phenylthiolate- and Methylthiolate-Adatom Species at Low Coverage on the Au(111) Surface. Journal of the American Chemical Society, 2013, 135, 4922-4925.	6.6	20
3273	Effect of Conformational Symmetry upon the Formation of Cysteine Clusters on the Au(110)-(1 × 1) Surface: A First-Principles Study. Journal of Physical Chemistry C, 2013, 117, 20351-20360.	1.5	16
3274	Controlled Surface Enhanced Resonance Raman Scattering (SERRS) in Biological Environment. Integrated Ferroelectrics, 2013, 146, 88-98.	0.3	3
3275	Molecular dynamics simulation of a DOPA/ST monolayer on the Au(111) surface. Physical Chemistry Chemical Physics, 2013, 15, 15426.	1.3	7
3276	Reusable plasmonic substrates fabricated by interference lithography: a platform for systematic sensing studies. Journal of Raman Spectroscopy, 2013, 44, 170-175.	1.2	25
3277	Symmetric Largeâ€Area Metalâ€Molecular Monolayerâ€Metal Junctions by Wedging Transfer. Advanced Functional Materials, 2013, 23, 770-776.	7.8	8

#	Article	IF	CITATIONS
3278	Precise Control of Cell Adhesion by Combination of Surface Chemistry and Soft Lithography. Advanced Healthcare Materials, 2013, 2, 95-108.	3.9	81
3279	Photoresponsive Molecules in Wellâ€Defined Nanoscale Environments. Advanced Materials, 2013, 25, 302-312.	11.1	57
3280	Peroxidase immobilized on phospholipid bilayers supported on au (111) by DTT selfâ€∎ssembled monolayers: Application to dopamine determination. Biotechnology and Bioengineering, 2013, 110, 374-382.	1.7	23
3281	SHG studies of self-assembled monolayers of subphthalocyanines on gold. Proceedings of SPIE, 2013, , .	0.8	0
3282	Photoreactive self-assembled monolayer for the stabilization of tilt orientation of a director in vertically aligned nematic liquid crystals. Optics Express, 2013, 21, 31367.	1.7	7
3283	Novel Thiosialosides Tethered to Metal Nanoparticles as Potent Influenza a Virus Haemagglutinin Blockers. Antiviral Chemistry and Chemotherapy, 2013, 23, 59-65.	0.3	15
3284	Effects of intrinsic defects on methanthiol monolayers on Cu(111): A density functional theory study. Journal of Chemical Physics, 2013, 138, 134708.	1.2	0
3285	Long-range ordered nanodomains of grafted electroactive molecules. Journal of Chemical Physics, 2013, 139, 204703.	1.2	4
3286	Modeling and Optimization of Superhydrophobic Condensation. Journal of Heat Transfer, 2013, 135, .	1.2	224
3287	Covalent Coupling of Nanoparticles with Low-Density Functional Ligands to Surfaces via Click Chemistry. International Journal of Molecular Sciences, 2013, 14, 3705-3717.	1.8	12
3288	Condensation heat transfer on superhydrophobic surfaces. MRS Bulletin, 2013, 38, 397-406.	1.7	329
3289	Covalent Binding of BMP-2 on Surfaces Using a Self-assembled Monolayer Approach. Journal of Visualized Experiments, 2013, , .	0.2	2
3290	Multiscale analysis of adsorption-induced surface stress of alkanethiol on microcantilever. Journal Physics D: Applied Physics, 2013, 46, 035301.	1.3	5
3291	Fabrication of an SPR Sensor Surface with Antifouling Properties for Highly Sensitive Detection of 2,4,6-Trinitrotoluene Using Surface-Initiated Atom Transfer Polymerization. Sensors, 2013, 13, 9294-9304.	2.1	16
3292	Investigating the Interaction Mechanism of Gold Nanoparticles with Mercapto Amino Acids. Advanced Materials Research, 0, 645, 43-46.	0.3	0
3293	Thioacetate-Functionalized Fullerene: Redox Properties and Self-Assembly on the Au(111) Surface. Journal of the Electrochemical Society, 2013, 160, H28-H32.	1.3	5
3294	X-ray Absorption Spectroscopy for the Structural Investigation of Self-Assembled-Monolayer-Directed Mineralization. Methods in Enzymology, 2013, 532, 165-187.	0.4	1
3295	Nanoparticle Structure by Coherent X-ray Diffraction. Journal of the Physical Society of Japan, 2013, 82, 021012.	0.7	26

#	Article	IF	CITATIONS
3296	Coatings including carboxylates for the preservation of metallic heritage artefacts. , 2013, , 518-539.		4
3297	Metallic and inorganic nanoparticles. , 2013, , 331-349.		Ο
3298	Atomic layer deposition of nanoparticles on self-assembled monolayer modified silicon substrate. Materials Research Society Symposia Proceedings, 2013, 1546, 1.	0.1	0
3299	Grating-Coupled Surface-Plasmon-Resonance Biosensor Discs with a C-Type Fluidic Channel for Monitoring Growth of Self-Assembled Monolayer. Applied Mechanics and Materials, 2013, 284-287, 2069-2074.	0.2	3
3300	Surface temperature effects on the dynamics of N2 Eley-Rideal recombination on W(100). Journal of Chemical Physics, 2013, 138, 024706.	1.2	22
3301	Nanoscale electrode arrays produced with microscale lithographic techniques for use in biomedical sensing applications. IET Nanobiotechnology, 2013, 7, 125-134.	1.9	19
3302	Photoelectron velocity-map imaging spectroscopic and theoretical study on the reactivity of the gold atom toward CH3SH, CH3OH, and H2O. Journal of Chemical Physics, 2013, 139, 034315.	1.2	5
3303	Lowâ€energy ion scattering: Determining overlayer thickness for functionalized gold nanoparticles. Surface and Interface Analysis, 2013, 45, 1737-1741.	0.8	33
3304	Observation of selfâ€assembled layers of alkyl phosphonic acid on aluminum using lowâ€voltage scanning electron microscopy and AFM. Surface and Interface Analysis, 2013, 45, 1441-1445.	0.8	10
3305	Electric-field-driven contact-line dynamics of two immiscible fluids over chemically patterned surfaces in narrow confinements. Physical Review E, 2013, 88, 023022.	0.8	59
3306	Surface analysis and electrochemical characterization of palladium–cobalt nanoring formation from molecular precursor, [Et ₃ NH] ₂ [CoPd ₂ (μâ€4â€lâ€3,5â€Me ₂ pz) ₄ C on highly ordered pyrolytic graphite. Surface and Interface Analysis, 2013, 45, 1760-1768.	0.8 _{4<!--</td--><td>sub>],</td>}	sub>],
3307	Surfaceâ€immobilized Gold Nanoparticles by Organometallic <scp>CVD</scp> on Amineâ€ŧerminated Glass Surfaces. Chemical Vapor Deposition, 2013, 19, 338-346.	1.4	7
3309	On the hydrophobicity of modified Ga-polar GaN surfaces. Applied Physics Letters, 2013, 102, .	1.5	22
3310	Mapping a Disordered Portion of the Brz2001-Binding Site on a Plant Monooxygenase, DWARF4, Using a Quartz-Crystal Microbalance Biosensor-Based T7 Phage Display. Assay and Drug Development Technologies, 2013, 11, 206-215.	0.6	7
3311	Electrochemical Magnetoimmunosensing Approach for the Sensitive Detection of H9N2 Avian Influenza Virus Particles. Chemistry - an Asian Journal, 2013, 8, 2220-2226.	1.7	22
3312	Mach-Zehnder refractometric sensor using long-range surface plasmon waveguides. Applied Physics Letters, 2013, 103, .	1.5	38
3313	<i>In situ</i> fluorimetric detection of micrometer-scale pH gradients at the solid/liquid interface. Supramolecular Chemistry, 2013, 25, 756-766.	1.5	10
3314	Self-Assembled Monolayer of 3-N, N-Dimethylaminodithiocarbamoyl-1-Propanesulfonic Acid (DPS) Used in Electrodeposition of Copper. Journal of the Electrochemical Society, 2013, 160, D3197-D3205.	1.3	12

	Ст	ration Report	
#	Article	IF	CITATIONS
3316	Condensation and jumping relay of droplets on lotus leaf. Applied Physics Letters, 2013, 103, .	1.5	130
3317	Temperature Effects in the Vibrational Spectra of Self-Assembled Monolayers. Physical Review Letters, 2013, 111, 086102.	2.9	9
3318	Comparative study of phenol and thiophenol adsorption on Cu(110). Journal of Chemical Physics, 201 139, 044708.	3, 1.2	8
3319	Polymeric Functionalization of Cyclic Olefin Copolymer Surfaces with Nonbiofouling Poly(oligo(Ethylene Glycol) Methacrylate). Asian Journal of Organic Chemistry, 2013, 2, 568-571.	1.3	15
3321	Single-molecule studies on individual peptides and peptide assemblies on surfaces. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20120311.	1.6	15
3323	Preparation of Organothiol Self-Assembled Monolayers for Use in Templated Crystallization. Methods in Enzymology, 2013, 532, 209-224.	0.4	6
3324	Study on Electronic Properties of Composite Clusters toward Nanoscale Functional Advanced Materials. Bulletin of the Chemical Society of Japan, 2013, 86, 414-437.	2.0	26
3325	Spatial and Temporal Manipulation of Ultrafast Laser Pulses for Micro- and Nano-Processing. , 2013, , 201-242.		0
3326	Directed self-assembly of proteins into discrete radial patterns. Scientific Reports, 2013, 3, 1923.	1.6	14
3327	Self-Assembled Monolayers: A Versatile Tool for Biofunctionalization of Surfaces. , 2013, , 37-64.		0
3328	Behavior of Water Molecules in the Vicinity of Nonfouling Surfaces Investigated by Atomic Force Microscopy. Hyomen Kagaku, 2013, 34, 494-499.	0.0	1
3329	DFT study on cysteine adsorption mechanism on Au(111) and Au(110). AlP Conference Proceedings, 2 \cdot	2013,, 0.3	3
3330	In situ study of the impact of acidic and neutral deposition pH on alkane phosphate film formation and stability on TiO2. RSC Advances, 2013, 3, 2581.	1.7	4
3331	Topâ€Down Fabrication of High Quality Ill–V Nanostructures by Monolayer Controlled Sculpting and Simultaneous Passivation. Advanced Functional Materials, 2013, 23, 1620-1627.	d 7.8	15
3332	Preservation of Lattice Orientation in Coalescing Imperfectly Aligned Gold Nanowires by a Zipper Mechanism. Angewandte Chemie - International Edition, 2013, 52, 6019-6023.	7.2	36
3333	Microcontact printing technology as a method of fabrication of patterned self-assembled monolayers for application in nanometrology. Proceedings of SPIE, 2013, , .	0.8	1
3334	A Chemical Liftâ€off Process: Removing Nonâ€5pecific Adsorption in an Electrochemical Epstein–Ba Virus Immunoassay. ChemPhysChem, 2013, 14, 2198-2207.	ırr 1.0	6
3335	XAFS studies of Au nanocrystals passivated by different surfactants. Journal of Physics: Conference Series, 2013, 430, 012032.	0.3	0

#	Article	IF	CITATIONS
3336	Arsonic Acid Selfâ€Assembled Monolayers Protect Oxide Surfaces from Micronewton Nanomechanical Forces. Advanced Functional Materials, 2013, 23, 2415-2421.	7.8	6
3337	Monolayer of Nanorod Vertical Arrays Selfâ€Assembled at the Air/Water Interface. Particle and Particle Systems Characterization, 2013, 30, 837-841.	1.2	27
3338	Selective biosensing using straight long-range surface plasmon waveguides. Proceedings of SPIE, 2013,	0.8	1
3339	Lead Nanopowder as Advanced Semi-Conductor – An Insight. Research and Application of Material, 2013, 1, 36.	0.4	4
3340	FDTD Analysis of Nanoscale Temperature Distribution Induced by Near-Field Photothermal Effect. 880-02 Nihon Kikai Gakkai Ronbunshū Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2013, 79, 2254-2263.	0.2	0
3341	Heat Transfer Characteristics Over the Interface of Alkanethiolate SAM and Alkane Liquid. , 2013, , .		0
3342	Physical Properties of Self-Assembled Monolayers of Mercapto Oligo (ethylene oxide) Methyl Ether on Gold. Journal of Oleo Science, 2013, 62, 45-50.	0.6	2
3344	Critical Assessment of the Evidence for Striped Nanoparticles. PLoS ONE, 2014, 9, e108482.	1.1	41
3345	Detection of the Inflammation Biomarker C-Reactive Protein in Serum Samples: Towards an Optimal Biosensor Formula. Biosensors, 2014, 4, 340-357.	2.3	60
3346	Electrochemistry of the Self-Assembled Monolayers of Dyads Consisting of Tripod-Shaped Trithiol and Bithiophene on Gold. Molecules, 2014, 19, 15298-15313.	1.7	12
3347	Purification of ethanol for highly sensitive self-assembly experiments. Beilstein Journal of Nanotechnology, 2014, 5, 1254-1260.	1.5	5
3348	Fundamentals and Applications of Impedimetric and Redox Capacitive Biosensors. Journal of Analytical & Bioanalytical Techniques, 2014, S7, .	0.6	43
3349	Postsynthetic functionalization of glycodendrons at the focal point. Beilstein Journal of Organic Chemistry, 2014, 10, 1482-1487.	1.3	8
3350	Organic chemistry on surfaces: Direct cyclopropanation by dihalocarbene addition to vinyl terminated self-assembled monolayers (SAMs). Beilstein Journal of Organic Chemistry, 2014, 10, 2897-2902.	1.3	5
3351	Effect of Temperature on Polyelectrolyte Expansion of Lignosulfonate. BioResources, 2014, 10, .	0.5	8
3352	Rapid prototyping techniques for the fabrication of biosensors. , 2014, , 93-112.		1
3353	Antibacterial Efficacy and Cytotoxicity of Silver Nanoparticle Based Coatings Facilitated by a Plasma Polymer Interlayer. Plasma Medicine, 2014, 4, 101-115.	0.2	6
3354	Maximizing the Dielectric Response of Molecular Thin Films <i>via</i> Quantum Chemical Design. ACS Nano, 2014, 8, 12587-12600.	7.3	23

#	Article	IF	CITATIONS
3355	Surface Analysis and Techniques in Biology. , 2014, , .		10
3356	DENSITY FUNCTIONAL THEORY STUDIES ON THE ADSORPTION OF 4-METHYLBENZENETHIOL AND 4-ETHYLBENZENETHIOL MOLECULES ON Au (111) SURFACE. Surface Review and Letters, 2014, 21, 1450087.	0.5	1
3357	Electronic characterization of supramolecular materials at the nanoscale by Conductive Atomic Force and Kelvin Probe Force microscopies. Materials Today, 2014, 17, 504-517.	8.3	49
3358	Oxadiazoleâ€2â€thiol Adsorption on Gold Nanorods: A Joint Theoretical and Experimental Study by Using SERS, XPS, and DFT. ChemPhysChem, 2014, 15, 3646-3654.	1.0	4
3360	Magnetic force microscopy. Biomatter, 2014, 4, e29507.	2.6	61
3361	Efficient Thiol–Yne Click Chemistry of Redox-Active Ethynylferrocene. Organometallics, 2014, 33, 7307-7317.	1.1	18
3362	Synthesis and stability of BODIPY-based fluorescent polymer brushes at different pHs. Journal of Polymer Science Part A, 2014, 52, 3586-3596.	2.5	16
3363	Multishell EXAFS Fitting Analysis of a Compositionally Precise Thiolate-Gold Nanocluster. Materials Research Society Symposia Proceedings, 2014, 1655, 1.	0.1	0
3364	Structure and Electronic and Charge-Transfer Properties of Mercaptobenzoic Acid and Mercaptobenzoic Acid–Undecanethiol Mixed Monolayers on Au(111). Journal of Physical Chemistry C, 2014, 118, 30013-30022.	1.5	11
3365	Functional Materials in Amperometric Sensing. Monographs in Electrochemistry, 2014, , .	0.2	15
3366	Stability optimisation of molecular electronic devices based on Ânanoelectrode–nanoparticle bridge platform in air and different storage liquids. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	6
3367	Modification of gold electrode by self-assembled 2-mercapto benzothiazole for the determination of Hg2+. International Journal of Environmental Analytical Chemistry, 2014, 94, 1050-1060.	1.8	5
3368	Determining adhesion of nonuniform arrays of fibrils. Journal of Adhesion Science and Technology, 2014, 28, 320-336.	1.4	6
3369	Thiocyanate Anchors for Salt-like Iron(II) Complexes on Au(111): Promises and Caveats. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2014, 69, 1164-1180.	0.3	6
3370	New Gold Nanostructures for Sensor Applications: A Review. Materials, 2014, 7, 5169-5201.	1.3	163
3371	A Fast Alternative to Core Plug Tests for Optimising Injection Water Salinity for EOR. , 2014, , .		5
3372	Electronic states of titanyl phthalocyanine films on alkanethiolate self-assembled monolayers probed by two-photon photoemission. Journal of Electron Spectroscopy and Related Phenomena, 2014, 195, 272-277.	0.8	1
3373	Electrical characterization of controlled and unintentional modified metal–organic contacts. Organic Electronics, 2014, 15, 2536-2545.	1.4	6

3374Asimulation study on the thermal and wetting behavior of alkane thiol SAM on gold (111) surface.1.83375Photothermal Properties of Hollow Gold Nanostructures for Cancer Theranostics., 2014,, 1199-1226.2.13376Sensitivity Comparison of Vapor Trace Detection of Explosives Based on Chemo-Mechanical Sensing with Optical Detection and Capacitive Sensing with Electronic Detection. Sensors, 2014, 14, 11467-11491.2.13377Various On-Chip Sensors with Microfluidics for Biological Applications. Sensors, 2014, 14, 17008-17036.2.13378Engineering electronic properties of metalä€"MoSe _{2.2.73379Insitu Surface Talloring with Zwitterionic Carboxybetaine Moieties on Self-Assembled Thin Film for Autfouling BioInterfaces. Materials, 2014, 7, 130-142.1.33380A New Surface Modifying Material "Mercaptosilatrane" for Particle Plasmon Resonance Sensor. Key Engineering Materials, 2014, 605, 123-126.0.83382Fluorine coatings for nanoimprint lithography masks., 2014,0.8}	 11 3 20 52 25
3376Sensitivity Comparison of Vapor Trace Detection of Explosives Based on Chemo-Mechanical Sensing with Optical Detection and Capacitive Sensing with Electronic Detection. Sensors, 2014, 14, 11467-11491.2.13377Various On-Chip Sensors with Microfluidics for Biological Applications. Sensors, 2014, 14, 17008-17036.2.13378Engineering electronic properties of metalà€"MoSe ₂ interfaces using self-assembled monolayers. Journal of Materials Chemistry C, 2014, 2, 9842-9849.2.73379In situ Surface Tailoring with Zwitterionic Carboxybetaine Moieties on Self-Assembled Thin Film for Antifouling Biointerfaces. Materials, 2014, 7, 130-142.1.33380A New Surface Modifying Material "Mercaptosilatrane" for Particle Plasmon Resonance Sensor. Key Engineering Materials, 2014, 605, 123-126.0.43381Strategies for leukemic biomarker detection using long-range surface plasmon-polaritons. Proceedings of SPIE, 2014,0.8	20 52
3376 with Optical Detection and Capacitive Sensing with Electronic Detection. Sensors, 2014, 14, 11467-11491. 2.1 3377 Various On-Chip Sensors with Microfluidics for Biological Applications. Sensors, 2014, 14, 17008-17036. 2.1 3378 Engineering electronic properties of metalâ€"MoSe ₂ interfaces using self-assembled 2.7 3379 In situ Surface Tailoring with Zwitterionic Carboxybetaine Moieties on Self-Assembled Thin Film for 1.3 3380 A New Surface Modifying Material "Mercaptosilatrane" for Particle Plasmon Resonance Sensor. Key 0.4 3381 Strategies for leukemic biomarker detection using long-range surface plasmon-polaritons. 0.8	52
3378Engineering electronic properties of metal–MoSe ₂ interfaces using self-assembled monolayers. Journal of Materials Chemistry C, 2014, 2, 9842-9849.2.73379In situ Surface Tailoring with Zwitterionic Carboxybetaine Moieties on Self-Assembled Thin Film for Antifouling Biointerfaces. Materials, 2014, 7, 130-142.1.33380A New Surface Modifying Material "Mercaptosilatrane" for Particle Plasmon Resonance Sensor. Key Engineering Materials, 2014, 605, 123-126.0.43381Strategies for leukemic biomarker detection using long-range surface plasmon-polaritons. 	
3378monolayers. Journal of Materials Chemistry C, 2014, 2, 9842-9849.2.73379In situ Surface Tailoring with Zwitterionic Carboxybetaine Moieties on Self-Assembled Thin Film for Antifouling Biointerfaces. Materials, 2014, 7, 130-142.1.33380A New Surface Modifying Material "Mercaptosilatrane" for Particle Plasmon Resonance Sensor. Key Engineering Materials, 2014, 605, 123-126.0.43381Strategies for leukemic biomarker detection using long-range surface plasmon-polaritons.0.8	25
3379Antifouling Biointerfaces. Materials, 2014, 7, 130-142.1.33380A New Surface Modifying Material "Mercaptosilatrane" for Particle Plasmon Resonance Sensor. Key Engineering Materials, 2014, 605, 123-126.0.43381Strategies for leukemic biomarker detection using long-range surface plasmon-polaritons.0.8	
3380 Engineering Materials, 2014, 605, 123-126. 0.4 3381 Strategies for leukemic biomarker detection using long-range surface plasmon-polaritons. 0.8 3381 Proceedings of SPIE, 2014, , . 0.8	20
³³⁸¹ Proceedings of SPIE, 2014, , .	1
3382 Fluorine coatings for nanoimprint lithography masks. , 2014, , .	0
	0
Structure–Activity Relationships for Tumor-Targeting Gold Nanoparticles. Frontiers in 0.1 Nanobiomedical Research, 2014, , 519-563.	1
Functionalised copper nanoparticles as catalysts for electroless plating. , 2014, , .	3
Silver nanomaterials for the detection of chemical and biological targets. Nanotechnology Reviews, 2.6 2014, 3, .	3
Effect of surface roughness on self-assembled monolayer plasmonic ruler in nonlocal regime. Optics Express, 2014, 22, 9604.	31
 Influence of zwitterionic SAMs on protein adsorption and the attachment of algal cells. Journal of Biomaterials Science, Polymer Edition, 2014, 25, 1530-1539. 	20
Parallel laser fabrication of film-embedded microstructures using reusable functionalized template. 1.1 Journal of Applied Physics, 2014, 115, .	2
3390Enhanced Mn2+ emission in ZnS:Mn nanoparticles by surface plasmon resonance of gold1.1nanoparticles. Journal of Applied Physics, 2014, 116, 014306.1.1	6
3391Effect of Leaving Group on the Structures of Alkylsilane SAMs. Langmuir, 2014, 30, 14824-14831.1.6	
Intrinsically Conductive Organo–Silver Linear Chain Polymers 3392 [â''S–Ag–S–Biphenylâ^'] _{<i>n</i>} Assembled on Roughened Elemental Silver. Journal of 1.5 Physical Chemistry C, 2014, 118, 29287-29293.	38

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#	Article	IF	CITATIONS
3393	A comparative synthetic, magnetic and theoretical study of functional M4Cl4 cubane-type Co(ii) and Ni(ii) complexes. Dalton Transactions, 2014, 43, 7847.	1.6	40
3394	Replacing Ag ^{TS} SCH ₂ â€R with Ag ^{TS} O ₂ Câ€R in EGaInâ€Based Tunneling Junctions Does Not Significantly Change Rates of Charge Transport. Angewandte Chemie - International Edition, 2014, 53, 3889-3893.	7.2	44
3395	Bioinspired Catecholâ€Terminated Selfâ€Assembled Monolayers with Enhanced Adhesion Properties. Small, 2014, 10, 1594-1602.	5.2	31
3396	Interfaces in Microfluidic and Nanofluidic Systems. , 2014, , 39-86.		2
3397	Odd–Even Effect in Molecular Electronic Transport via an Aromatic Ring. Langmuir, 2014, 30, 13596-13605.	1.6	33
3398	Germanium Oxide Removal by Citric Acid and Thiol Passivation from Citric Acid-Terminated Ge(100). Langmuir, 2014, 30, 14123-14127.	1.6	37
3399	Surface onfined Selfâ€Assembled Janus Tectons: A Versatile Platform towards the Noncovalent Functionalization of Graphene. Angewandte Chemie - International Edition, 2014, 53, 10060-10066.	7.2	21
3400	Ascorbic acid-triggered electrochemical–chemical–chemical redox cycling for design of enzyme-amplified electrochemical biosensors on self-assembled monolayer-covered gold electrodes. Journal of Electroanalytical Chemistry, 2014, 731, 78-83.	1.9	24
3401	What a Difference a Bond Makes: The Structural, Chemical, and Physical Properties of Methyl-Terminated Si(111) Surfaces. Accounts of Chemical Research, 2014, 47, 3037-3044.	7.6	75
3402	Controlling the Stereochemistry and Regularity of Butanethiol Self-Assembled Monolayers on Au(111). Journal of the American Chemical Society, 2014, 136, 17087-17094.	6.6	31
3403	Highâ€Đensity Monolayers of Metal Complexes: Preparation and Catalysis. Chemical Record, 2014, 14, 869-878.	2.9	2
3404	Triazatriangulene as Binding Group for Molecular Electronics. Langmuir, 2014, 30, 14868-14876.	1.6	29
3405	"Smart―Surface Capsules for Delivery Devices. Advanced Materials Interfaces, 2014, 1, 1400237.	1.9	31
3406	Molecular layer deposition of APTES on silicon nanowire biosensors: Surface characterization, stability and pH response. Applied Surface Science, 2014, 322, 202-208.	3.1	43
3407	Polyelectrolytes. Engineering Materials, 2014, , .	0.3	6
3408	Micro-Scale Patterning of Cells and their Environment. , 2014, , 359-384.		0
3409	Matrix Effects. , 2014, , 407-421.		2
3410	Microscopic Droplet Formation and Energy Transport Analysis of Condensation on Scalable Superhydrophobic Nanostructured Copper Oxide Surfaces. Langmuir, 2014, 30, 14498-14511.	1.6	72

#	Article	IF	Citations
3411	Quantitative Femtosecond Charge Transfer Dynamics at Organic/Electrode Interfaces Studied by Coreâ€Hole Clock Spectroscopy. Advanced Materials, 2014, 26, 7880-7888.	11.1	31
3412	CHAPTER 3. Low-Dimensional Supramolecular Assemblies on Surfaces. RSC Smart Materials, 2014, , 98-118.	0.1	2
3413	Natural zwitterionic organosulfurs as surface ligands for antifouling and responsive properties. Biointerphases, 2014, 9, 029010.	0.6	25
3414	Density functional theory approach to gold-ligand interactions: Separating true effects from artifacts. Journal of Chemical Physics, 2014, 140, 244313.	1.2	14
3415	Seleno groups control the energy-level alignment between conjugated organic molecules and metals. Journal of Chemical Physics, 2014, 140, 014705.	1.2	11
3416	Sub-15-nm patterning of asymmetric metal electrodes and devices by adhesion lithography. Nature Communications, 2014, 5, 3933.	5.8	77
3417	Fluorescenceâ€Encoded Gold Nanoparticles: Library Design and Modulation of Cellular Uptake into Dendritic Cells. Small, 2014, 10, 1341-1350.	5.2	54
3419	Defined Patterns of Neuronal Networks on 3D Thiol-functionalized Microstructures. Nano Letters, 2014, 14, 6906-6909.	4.5	16
3420	Trends of Gold Nanoparticle-based Drug Delivery System in Cancer Therapy. Journal of Experimental and Clinical Medicine, 2014, 6, 172-178.	0.2	137
3421	Thermodynamic aspects of dehydrogenation reactions on noble metal surfaces. Journal of Chemical Physics, 2014, 141, 174705.	1.2	15
3422	Straightforward RAFT Procedure for the Synthesis of Heterotelechelic Poly(acrylamide)s. Macromolecular Rapid Communications, 2014, 35, 405-411.	2.0	12
3423	Luminescent Cu(0)@Cu(l)–TGA core–shell nanoclusters via self-assembly. Synthetic Metals, 2014, 198, 329-334.	2.1	8
3424	Ag Nanocrystals: 1. Effect of Ligands on Plasmonic Properties. Journal of Physical Chemistry B, 2014, 118, 14070-14075.	1.2	39
3425	Binding, Structure, and Dynamics of Hydrophobic Polymers near Patterned Self-Assembled Monolayer Surfaces. Langmuir, 2014, 30, 14204-14211.	1.6	1
3426	Rectification in Tunneling Junctions: 2,2′-Bipyridyl-Terminated <i>n</i> -Alkanethiolates. Journal of the American Chemical Society, 2014, 136, 17155-17162.	6.6	105
3428	Reactivity of the intermediates of the reduction of SO2. Functionalization of graphite, graphite oxide and graphene oxide. Journal of Physical Organic Chemistry, 2014, 27, 344-351.	0.9	8
3429	Reversible Soft Top ontacts to Yield Molecular Junctions with Precise and Reproducible Electrical Characteristics. Advanced Functional Materials, 2014, 24, 4442-4456.	7.8	84
3430	Bottomâ€Up Molecular Tunneling Junctions Formed by Selfâ€Assembly. Israel Journal of Chemistry, 2014, 54, 513-533.	1.0	35

ARTICLE IF CITATIONS Study on nanoscale patterning of SAMs by using near-field photothermal desorption., 2014,,. 3431 0 Multi-technique Characterization of DNA-Modified Surfaces for Biosensing and Diagnostic 3432 Applications., 2014, , 289-314. Electrochemical properties of honeycomb-like structured HFBI self-organized membranes on HOPG 3433 2.58 electrodes. Colloids and Surfaces B: Biointerfaces, 2014, 123, 803-808. A Molecular Dynamics Study on Heat Transfer Characteristics Over the Interface of Self-Assembled 3434 1.2 Monolayer and Water Solvent. Journal of Heat Transfer, 2014, 136, . Coupled self-assembled monolayer for enhancement of Cu diffusion barrier and adhesion properties. 3435 1.7 22 RSC Advances, 2014, 4, 60123-60130. Conditionally activating optical contrast agent with enhanced sensitivity via gold nanoparticle plasmon energy transfer: feasibility study. Journal of Nanobiotechnology, 2014, 12, 56. 4.2 Measurement and control of detailed electronic properties in a single molecule break junction. 3437 1.6 11 Faraday Discussions, 2014, 174, 91-104. Sensitive and selective analysis of a wide concentration range of IGFBP7 using a surface plasmon 3438 2.5 resonance biosensor. Colloids and Surfaces B: Biointerfaces, 2014, 123, 887-891. Advanced Nanoporous Materials for Micro-Gravimetric Sensing to Trace-Level Bio/Chemical 3439 2.1 51 Molecules. Sensors, 2014, 14, 19023-19056. Structural Investigation of 4-Methylbenzenethiol Self-Assembled Monolayers on Au(111) by Scanning 3440 1.0 Tunneling Microscopy. Bulletin of the Korean Chemical Society, 2014, 35, 1275-1276. Thioctic Acid Derivatives as Building Blocks to Incorporate DNA Oligonucleotides onto Gold 3441 1.7 20 Nanoparticles. Molecules, 2014, 19, 10495-10523. Electrode Materials (Bulk Materials and Modification). Nanostructure Science and Technology, 2014, , 3442 0.1 403-495. 3443 Smart Biomaterials. NIMS Monographs, 2014, , . 0.1 57 Preparation and visible-light photochromism of phosphomolybdic acid/polyvinylpyrrolidone hybrid 3444 1.3 film. Chemical Research in Chinese Universities, 2014, 30, 703-708. Reactive self-assembled monolayers: from surface functionalization to gradient formation. Materials 3445 93 6.4 Horizons, 2014, 1, 32-45. A simple one-step modification of various materials for introducing effective multi-functional 3446 groups. Colloids and Surfaces B: Biointerfaces, 2014, 113, 125-133. Vibrational spectroscopic characterization of 4-acylamidobenzenethiol-stabilized gold nanoparticles. 3447 1.2 3 Vibrational Spectroscopy, 2014, 73, 10-14. Adsorption behavior of tightly bound extracellular polymeric substances on model organic surfaces 3448 5.3 under different pH and cations with surface plasmon resonance. Water Research, 2014, 57, 31-39.

#	Article	IF	CITATIONS
3449	Glycerol oxidation over gold supported catalysts – "Two faces―of sulphur based anchoring agent. Journal of Molecular Catalysis A, 2014, 382, 71-78.	4.8	27
3450	Concanavalin A–Polysaccharides binding affinity analysis using a quartz crystal microbalance. Biosensors and Bioelectronics, 2014, 59, 404-411.	5.3	44
3451	Gold nanoparticles decorated with oligo(ethylene glycol) thiols: Surface charges and interactions with proteins in solution. Journal of Colloid and Interface Science, 2014, 426, 31-38.	5.0	24
3452	Electrochemical and infrared spectroscopic study of the self-assembled monolayer of a cyano-bridged dimeric triruthenium complex on gold surface. Journal of Electroanalytical Chemistry, 2014, 714-715, 51-55.	1.9	9
3453	DFT calculations for SO4/graphene with and without a Pd atom. Computational Materials Science, 2014, 83, 418-425.	1.4	3
3454	Sum-frequency generation analyses of the structure of water at amphoteric SAM–liquid water interfaces. Colloids and Surfaces B: Biointerfaces, 2014, 121, 264-269.	2.5	12
3455	Multi-unit recording with iridium oxide modified stereotrodes in Drosophila melanogaster. Journal of Neuroscience Methods, 2014, 222, 218-229.	1.3	5
3456	A regenerating self-assembled gold nanoparticle-containing electrochemical impedance sensor. Biosensors and Bioelectronics, 2014, 56, 328-333.	5.3	24
3457	Electrochemical uranyl cation biosensor with DNA oligonucleotides as receptor layer. Bioelectrochemistry, 2014, 96, 1-6.	2.4	15
3458	Phosphonated Polyethylenimine oated Nanoparticles: Size―and Zetaâ€Potentialâ€Adjustable Nanomaterials. Particle and Particle Systems Characterization, 2014, 31, 219-227.	1.2	9
3459	Removal and Utilization of Capping Agents in Nanocatalysis. Chemistry of Materials, 2014, 26, 72-83.	3.2	640
3460	Large active area inverted tandem polymer solar cell with high performance via insertion of subnano-scale silver layer. Solar Energy Materials and Solar Cells, 2014, 120, 728-734.	3.0	12
3461	Goldâ€Nanoparticleâ€Assisted Selfâ€Assembly of Chemical Gradients with Tunable Subâ€50 nm Molecular Domains. Particle and Particle Systems Characterization, 2014, 31, 209-218.	1.2	19
3462	Corrosion protection ability of self-assembled monolayer of 3-amino-5-mercapto-1,2,4-triazole on copper electrode. Thin Solid Films, 2014, 562, 32-36.	0.8	27
3463	Effect of SAM chain length and binding functions on protein adsorption: β-Lactoglobulin and apo-transferrin on gold. Colloids and Surfaces B: Biointerfaces, 2014, 116, 489-496.	2.5	29
3464	Tuning the composition of aromatic binary Self-Assembled Monolayers on copper: An XPS study. Applied Surface Science, 2014, 303, 30-36.	3.1	9
3465	Ultra stable self-assembled monolayers of N-heterocyclic carbenes on gold. Nature Chemistry, 2014, 6, 409-414.	6.6	381
3466	Facile synthesis of hierarchical dendritic PtPd nanogarlands supported on reduced graphene oxide with enhanced electrocatalytic properties. Nanoscale, 2014, 6, 5708-5713.	2.8	87

#	Article	IF	CITATIONS
3467	Work function modification of the (111) gold surface covered by long alkanethiol-based self-assembled monolayers. Physical Chemistry Chemical Physics, 2014, 16, 2866.	1.3	26
3468	Manipulation and Optical Detection of Colloidal Functional Plasmonic Nanostructures in Microfluidic Systems. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 102-114.	1.9	3
3469	Substrate independent silver nanoparticle based antibacterial coatings. Biomaterials, 2014, 35, 4601-4609.	5.7	133
3470	Self-Assembled Monolayers as Inhibitors for the Atmospheric Corrosion of Copper Induced by Formic Acid: A Comparison between Hexanethiol and Hexaneselenol. Journal of the Electrochemical Society, 2014, 161, C50-C56.	1.3	25
3471	Electrochemistry of Nanoparticles. Angewandte Chemie - International Edition, 2014, 53, 3558-3586.	7.2	333
3472	Materials and surface engineering to control bacterial adhesion and biofilm formation: A review of recent advances. Frontiers of Chemical Science and Engineering, 2014, 8, 20-33.	2.3	59
3473	Light-Activatable Gold Nanoshells for Drug Delivery Applications. AAPS PharmSciTech, 2014, 15, 741-752.	1.5	33
3474	Self-assembling and self-limiting monolayer deposition. European Physical Journal D, 2014, 68, 1.	0.6	16
3475	Immobilization of fibrinogen antibody on self-assembled gold monolayers for immunosensor applications. Tissue Engineering and Regenerative Medicine, 2014, 11, 10-15.	1.6	5
3476	Inhibition Effect of 2,4,6-Trimercapto-1,3,5-triazine Self-Assembled Monolayers on Copper Corrosion in NaCl Solution. Journal of Materials Engineering and Performance, 2014, 23, 527-537.	1.2	23
3477	Material transport in dip-pen nanolithography. Frontiers of Physics, 2014, 9, 385-397.	2.4	60
3478	Applications of SPR for the characterization of molecules important in the pathogenesis and treatment of neurodegenerative diseases. Expert Review of Neurotherapeutics, 2014, 14, 449-463.	1.4	22
3479	Organization of Alkane Amines on a Gold Surface: Structure, Surface Dipole, and Electron Transfer. Journal of Physical Chemistry C, 2014, 118, 468-475.	1.5	49
3480	Selective attachment processes in ancient gold ore beneficiation. Minerals Engineering, 2014, 58, 52-63.	1.8	2
3481	Selective capture of human red blood cells based on blood group using long-range surface plasmon waveguides. Biosensors and Bioelectronics, 2014, 53, 117-122.	5.3	44
3482	Contamination of silica surfaces: Impact on water–CO2–quartz and glass contact angle measurements. International Journal of Greenhouse Gas Control, 2014, 22, 325-328.	2.3	229
3483	Facile preparation of surface-exchangeable core@shell iron oxide@gold nanoparticles for magnetic solid-phase extraction: Use of gold shell as the intermediate platform for versatile adsorbents with varying self-assembled monolayers. Analytica Chimica Acta, 2014, 811, 36-42.	2.6	27
3484	Synthesis of Liquid Crystal Silaneâ€Functionalized Gold Nanoparticles and Their Effects on the Optical and Electroâ€Optic Properties of a Structurally Related Nematic Liquid Crystal. ChemPhysChem, 2014, 15, 1381-1394.	1.0	31

ARTICLE IF CITATIONS Aggregation of thiol coated gold nanoparticles: A simulation study on the effect of polymer coverage 3485 10 1.4 density and solvent. Computational Materials Science, 2014, 86, 174-179. Comparing label free electrochemical impedimetric and capacitive biosensing architectures. 3486 5.3 Biosensors and Bioelectronics, 2014, 57, 96-102. Interface Immobilization Chemistry of <i>c</i>RGDâ€based Peptides Regulates Integrin Mediated Cell 3487 7.8 57 Adhesion. Advanced Functional Materials, 2014, 24, 943-956. 25th Anniversary Article: Organic Electronics Marries Photochromism: Generation of 3488 11.1 259 Multifunctional Ínterfaces, Materials, and Devices. Advanced Materials, 2014, 26, 1827-1845. Investigating biomolecular recognition at the cell surface using atomic force microscopy. Micron, 3489 1.1 33 2014, 60, 5-17. Gold nanoparticleâ€functionalized thread as a substrate for SERS study of analytes both bound and 1.8 unbound to gold. AICHE Journal, 2014, 60, 1598-1605. Nano-enabled drug delivery: A research profile. Nanomedicine: Nanotechnology, Biology, and 3491 1.7 34 Medicine, 2014, 10, e889-e896. A Universal Approach to Crosslinked Hierarchical Polymer Multilayers as Stable and Highly Effective 3492 11.1 124 Antifouling Coatings. Advanced Materials, 2014, 26, 2688-2693. Hydroxylation of Organic Polymer Surface: Method and Application. ACS Applied Materials & amp; 3493 4.0 42 Interfaces, 2014, 6, 3759-3770. Exchange of Methyl―and Azobenzeneâ€Terminated Alkanethiols on Polycrystalline Gold Studied by 3494 1.0 Tipâ€Enhanced Raman Mapping. ChemPhysChem, 2014, 15, 276-282. Gold Nanoparticle-Graphite-Like C₃N₄ Nanosheet Nanohybrids Used for 3495 370 3.2 Electrochemiluminescent Immunosensor. Analytical Chemistry, 2014, 86, 4188-4195. Ru dye functionalized Au–SiO2@TiO2 and Au/Pt–SiO2@TiO2 nanoassemblies for surface-plasmon-induced visible light photocatalysis. Journal of Colloid and Interface Science, 2014, 3496 5.0 421, 114-121. Integrated Micro/Nanoengineered Functional Biomaterials for Cell Mechanics and Mechanobiology: A 3497 11.1 121 Materials Perspective. Advanced Materials, 2014, 26, 1494-1533. Direct electrochemistry of cytochrome c immobilized on gold electrode surface via Zr(IV) ion glue 3498 2.4 and its activity for ascorbic acid. Bioelectrochemistry, 2014, 98, 53-63. Characterization of gold-thiol-8-hydroxyquinoline self-assembled monolayers for selective 3499 recognition of aluminum ion using voltammetry and electrochemical impedance spectroscopy. 2.6 15 Analytica Chimica Acta, 2014, 825, 34-41. Carbon Nanomembranes (CNMs) Supported by Polymer: Mechanics and Gas Permeation. Advanced 11.1 54 Materials, 2014, 26, 3421-3426. Study of the inhibitive effect of mixed self-assembled monolayers on copper with SECM. 3501 2.6 33 Electrochimica Acta, 2014, 115, 531-536. Highly Stable, Waterâ€Dispersible Metalâ€Nanoparticleâ€Decorated Polyme<u>r Nanocapsules and Their</u> 74 Catalytic Applications. Angewandte Chemie - International Edition, 2014, 53, 6414-6418.

#	Article	IF	CITATIONS
3503	Covalent Surface Modification of Oxide Surfaces. Angewandte Chemie - International Edition, 2014, 53, 6322-6356.	7.2	704
3504	Predicting the p <i>K</i> _a and Stability of Organic Acids and Bases at an Oil–Water Interface. Langmuir, 2014, 30, 6437-6445.	1.6	43
3506	Analysis of Influenza Virus Receptor Specificity Using Glycan-Functionalized Gold Nanoparticles. ACS Nano, 2014, 8, 4600-4607.	7.3	66
3507	Influence of the molecular-scale structures of 1-dodecanethiol and 4-methylbenzenethiol self-assembled monolayers on gold nanoparticles adsorption pattern. Journal of Colloid and Interface Science, 2014, 425, 83-90.	5.0	8
3508	Optimization of the Probe Coverage in DNA Biosensors by a One‣tep Coadsorption Procedure. ChemElectroChem, 2014, 1, 147-157.	1.7	25
3509	Coordination chemistry of surface-grafted ligands for antibacterial materials. Coordination Chemistry Reviews, 2014, 275, 37-53.	9.5	40
3510	In situ sum-frequency vibrational spectroscopy of electrochemical interfaces with surface plasmon resonance. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 1293-1297.	3.3	85
3511	Formation, Characterization, and Stability of Methaneselenolate Monolayers on Au(111): An Electrochemical High-Resolution Photoemission Spectroscopy and DFT Study. Langmuir, 2014, 30, 3754-3763.	1.6	7
3512	Enhanced refractive index sensitivity for anomalous reflection of gold to improve performance of bio-molecular detection. Sensors and Actuators B: Chemical, 2014, 190, 357-362.	4.0	5
3513	Multifunctional Redox Polymers: Electrochrome, Polyelectrolyte, Sensor, Electrode Modifier, Nanoparticle Stabilizer, and Catalyst Template. Angewandte Chemie - International Edition, 2014, 53, 8445-8449.	7.2	51
3514	Three-dimensional networks of hydrogen bonds in periodic arrays of molecular modules containing amide-(ethylene glycol) and amide-(ethylene glycol)-amide: Ab initio picture. Chemical Physics Letters, 2014, 591, 197-202.	1.2	0
3515	A platform for nitric oxide delivery. Journal of Materials Chemistry B, 2014, 2, 341-356.	2.9	141
3516	LnPO ₄ Nanoparticles Doped with Ac-225 and Sequestered Daughters for Targeted Alpha Therapy. Cancer Biotherapy and Radiopharmaceuticals, 2014, 29, 34-41.	0.7	40
3517	Handbook of Gas Sensor Materials. Integrated Analytical Systems, 2014, , .	0.4	48
3518	Probing of an Adsorbate-Specific Excited State on an Organic Insulating Surface by Two-Photon Photoemission Spectroscopy. Journal of the American Chemical Society, 2014, 136, 1825-1831.	6.6	11
3519	Differential Adsorption of Gold Nanoparticles to Gold/Palladium and Platinum Surfaces. Langmuir, 2014, 30, 574-583.	1.6	16
3520	Adsorption studies of a phosphonic acid on ITO: film coverage, purity, and induced electronic structure changes. Physical Chemistry Chemical Physics, 2014, 16, 2874.	1.3	24
3521	Tip-enhanced infrared nanospectroscopy via molecular expansion force detection. Nature Photonics, 2014, 8, 307-312.	15.6	266

ARTICLE IF CITATIONS Robust Organometallic Gold Nanoparticles. Organometallics, 2014, 33, 439-442. 44 3522 1.1 Patterning Gradients. Methods in Cell Biology, 2014, 119, 91-121. Reconstituting Functional Microtubule–Barrier Interactions. Methods in Cell Biology, 2014, 120, 3524 0.56 69-90. Surface-enhanced Raman Scattering (SERS) in Bioscience: A Review of Application. Challenges and Advances in Computational Chemistry and Physics, 2014, , 29-59. Functionalized p-dopants as self-assembled monolayers for enhanced charge carrier injection in 3526 19 1.4 organic electronic devices. Organic Electronics, 2014, 15, 654-660. Molecularly Engineered Surfaces for Cell Biology: From Static to Dynamic Surfaces. Langmuir, 2014, 30, 3290-3302. 1.6 Dip Biosensor Based on Localized Surface Plasmon Resonance at the Tip of an Optical Fiber. Langmuir, 3528 1.6 79 2014, 30, 946-954. "Stamp-off―to Micropattern Sparse, Multicomponent Features. Methods in Cell Biology, 2014, 119, 3-16. 3529 0.5 Diyne-Functionalized Fullerene Self-Assembly for Thin Film Solid-State Polymerization. 3530 2.2 28 Macromolecules, 2014, 47, 721-728. Two-dimensional functional molecular nanoarchitectures – Complementary investigations with 3.8 scanning tunneling microscopy and X-ray spectroscopy. Progress in Surface Science, 2014, 89, 1-55. Metallamacrocycle-modified gold nanoparticles: a new pathway for surface functionalization. 3532 2.2 24 Chemical Communications, 2014, 50, 971-974. Static and dynamic behavior of water droplet on solid surfaces with pillar-type nanostructures from 2.5 49 molecular dynamics simulation. International Journal of Heat and Mass Transfer, 2014, 79, 647-654. Derivatization of Colloidal Gold Nanoparticles Toward Their Application in Life Sciences11This 3534 chapter is an adopted version based on the PhD thesis of Dominik Hżhn as submitted at the Philipps 0.7 0 UniversitÃ#Marburg.. Comprehensive Analytical Chemistry, 2014, 66, 153-206. Quantum Tunneling Hydrogenation of Solid Benzene and Its Control via Surface Structure. Journal 2.1 of Physical Chemistry Letters, 2014, 5, 3843-3848. Identification of thiol from 11-(9-carbazolyl)-1-undecyl disulfide by NMR spectroscopy and single step 3536 1.0 3 coating of gold nanoparticles. Journal of Sulfur Chemistry, 2014, 35, 587-595. A Fully Microfabricated Electrochemical Sensor and its Implementation for Detection of Methicillin Resistance in <italic>Staphylococcus Aureus</italic>. IEEE Sensors Journal, 2014, 14, 2.4 1844-1851. A new pyruvate oxidase biosensor based on 3-mercaptopropionic acid/6-aminocaproic acid modified 3538 1.9 10 gold electrode. Artificial Cells, Nanomedicine and Biotechnology, 2014, 42, 418-422. 3539 Dynamic 3D cell culture via a chemoselective photoactuated ligand. Biointerphases, 2014, 9, 031005.

#	Article	IF	CITATIONS
3540	Fluorescence resonance energy transfer between green fluorescent protein and doxorubicin enabled by DNA nanotechnology. Electrophoresis, 2014, 35, 3290-3301.	1.3	8
3541	Asymmetric cellulose nanocrystals: thiolation of reducing end groups via NHS–EDC coupling. Cellulose, 2014, 21, 4209-4218.	2.4	66
3542	Organic molecule-functionalized Zn3P2 nanowires for photochemical H2 production: DFT and experimental analyses. International Journal of Hydrogen Energy, 2014, 39, 19887-19898.	3.8	5
3543	Fast Kinetics of Thiolic Self-Assembled Monolayer Adsorption on Gold: Modeling and Confirmation by Protein Binding. Journal of Physical Chemistry B, 2014, 118, 13697-13703.	1.2	12
3544	Dynamic Electrochemical Membranes for Continuous Affinity Protein Separation. Advanced Functional Materials, 2014, 24, 4317-4323.	7.8	19
3545	Kovalente OberflÄ ¤ henmodifikationen von Oxiden. Angewandte Chemie, 2014, 126, 6438-6474.	1.6	50
3546	Recent Advances on the Use of Surfactant Systems as Inhibitors of Corrosion on Metallic Surfaces. , 2014, , 479-508.		2
3547	Preferential growth of Au on CdSe quantum dots using Langmuir–Blodgett technique. RSC Advances, 2014, 4, 64535-64541.	1.7	8
3548	Dispersion Stability, Ligand Structure and Conformation, and SERS Activities of 1-Alkanethiol Functionalized Gold and Silver Nanoparticles. Journal of Physical Chemistry C, 2014, 118, 24925-24934.	1.5	25
3549	Work Function Changes of Azo-Derivatives Adsorbed on a Gold Surface. Journal of Physical Chemistry C, 2014, 118, 26033-26040.	1.5	9
3550	Nitro-Substituted Aromatic Thiolate Self-Assembled Monolayers: Structural Properties and Electron Transfer upon Resonant Excitation of the Tail Group. Journal of Physical Chemistry C, 2014, 118, 26049-26060.	1.5	16
3551	Control of Supramolecular Chirality of Nanofibers and Its Effect on Protein Adhesion. ACS Applied Materials & Interfaces, 2014, 6, 18878-18884.	4.0	49
3552	Supramolecular Structure of Self-Assembled Monolayers of Ferrocenyl Terminated <i>n</i> -Alkanethiolates on Gold Surfaces. Langmuir, 2014, 30, 13447-13455.	1.6	30
3553	Rational Design of a Bisphenol A Aptamer Selective Surface-Enhanced Raman Scattering Nanoprobe. Analytical Chemistry, 2014, 86, 11614-11619.	3.2	83
3554	An extremely rapid dip-coating method for self-assembly of octadecylphosphonic acid and its thermal stability on an aluminum film. Journal of Materials Chemistry C, 2014, 2, 9941-9948.	2.7	22
3555	Odd–Even Effects in Charge Transport across <i>n</i> -Alkanethiolate-Based SAMs. Journal of the American Chemical Society, 2014, 136, 16919-16925.	6.6	96
3556	Glutathione-facilitated design and fabrication of gold nanoparticle-based logic gates and keypad lock. Nanoscale, 2014, 6, 8300-8305.	2.8	22
3557	Colloidal Stability of Citrate and Mercaptoacetic Acid Capped Gold Nanoparticles upon Lyophilization: Effect of Capping Ligand Attachment and Type of Cryoprotectants. Langmuir, 2014, 30, 13799-13808.	1.6	91

#	Article	IF	CITATIONS
3558	Rapid prototyping techniques for the fabrication of biosensors. , 2014, , 75-96.		0
3559	Large area defrosting windows based on electrothermal heating of highly conducting and transmitting Ag wire mesh. RSC Advances, 2014, 4, 49745-49751.	1.7	67
3560	Gold-plated magnetic polymers for highly specific enrichment and label-free detection of blood biomarkers under physiological conditions. Chemical Communications, 2014, 50, 10066-10069.	2.2	6
3561	A study on adatom transport through (â^š3 × â^š3)–R30°–CH ₃ S self-assembled monolayers o Au(111) using first principles calculations. Physical Chemistry Chemical Physics, 2014, 16, 23067-23073.	on 1.3	3
3562	Peptide microarrays for the discovery of bioactive surfaces that guide cellular processes: a single step azide–alkyne "click―chemistry approach. Journal of Materials Chemistry B, 2014, 2, 4280-4288.	2.9	25
3563	Dual localized scanning plasmon resonance and electrochemical investigations of organophosphorus insecticides presence. RSC Advances, 2014, 4, 1484-1488.	1.7	1
3564	Electrofluorescence switching from a multilayer thin film by spin-assisted layer-by-layer assembly of an anionic fluorescent conjugated polyelectrolyte with poly(diallyldimethylammonium chloride). Physical Chemistry Chemical Physics, 2014, 16, 79-87.	1.3	12
3565	Jet flow directed supramolecular self-assembly at aqueous liquid–liquid interface. RSC Advances, 2014, 4, 15340.	1.7	19
3566	High density monolayer of diisocyanide on gold surface as a platform of supported Rh-catalyst for selective 1,4-hydrogenation of α,β-unsaturated carbonyl compounds. Chemical Communications, 2014, 50, 5046.	2.2	20
3567	In vitro dosimetry of agglomerates. Nanoscale, 2014, 6, 7325-7331.	2.8	33
3568	Chalcogen Atom Interaction with Palladium and the Complex Molecule–Metal Interface in Thiol Self Assembly. Journal of Physical Chemistry C, 2014, 118, 24983-24994.	1.5	13
3569	Low-energy electron induced resonant loss of aromaticity: consequences on cross-linking in terphenylthiol SAMs. Physical Chemistry Chemical Physics, 2014, 16, 1050-1059.	1.3	34
3570	Assembled nano-structures from micron-sized precursors. RSC Advances, 2014, 4, 30754-30757.	1.7	2
3571	Layerâ€by‣ayer Assembly of Lightâ€Responsive Polymeric Multilayer Systems. Advanced Functional Materials, 2014, 24, 5624-5648.	7.8	106
3572	Investigation of phosphonic acid surface modifications on zinc oxide nanoparticles under ambient conditions. Thin Solid Films, 2014, 565, 155-164.	0.8	33
3573	Elucidating the nanoscale origins of organic electronic function by conductive atomic force microscopy. Journal of Materials Chemistry C, 2014, 2, 3118-3128.	2.7	46
3574	The Unusual Self-Organization of Dialkyldithiophosphinic Acid Self-Assembled Monolayers on Ultrasmooth Gold. Journal of the American Chemical Society, 2014, 136, 4212-4222.	6.6	6
3575	Effective improvement of the photovoltaic performance of black dye sensitized quasi-solid-state solar cells. RSC Advances, 2014, 4, 31759-31763.	1.7	11

#	Article	IF	CITATIONS
3576	Sulfobetaine-terminated PEG improves the qualities of an immunosensing surface. Biomaterials Science, 2014, 2, 819.	2.6	5
3577	Silk fibroin-mediated biomineralization of calcium carbonate at the air/water interface. CrystEngComm, 2014, 16, 9176-9184.	1.3	9
3578	Reduction of nonspecific protein adsorption on cantilever biosensors caused by transverse resonant mode vibration. Analyst, The, 2014, 139, 1112.	1.7	10
3579	Characterization of NTCDI supra-molecular networks on Au(111); combining STM, IR and DFT calculations. RSC Advances, 2014, 4, 25698-25708.	1.7	20
3580	Electrochemical Fabrication of Surface Chemical Gradients in Thiol Self-Assembled Monolayers with Tailored Work-Functions. Langmuir, 2014, 30, 11591-11598.	1.6	13
3581	Self-assembled monolayers of CH3S from the adsorption of CH3SSCH3 on Au(111). Physical Chemistry Chemical Physics, 2014, 16, 2533.	1.3	2
3582	Solid phase synthesis of functionalised SAM-forming alkanethiol–oligoethyleneglycols. Journal of Materials Chemistry B, 2014, 2, 3741-3744.	2.9	11
3583	Light-Triggered Thiol-Exchange on Gold Nanoparticles at Low Micromolar Concentrations in Water. Langmuir, 2014, 30, 13831-13836.	1.6	10
3584	Ultrasmooth Gold Surfaces Prepared by Chemical Mechanical Polishing for Applications in Nanoscience. Langmuir, 2014, 30, 14171-14178.	1.6	22
3585	The conquest of middle-earth: combining top-down and bottom-up nanofabrication for constructing nanoparticle based devices. Nanoscale, 2014, 6, 14605-14616.	2.8	33
3586	Chemical modification of the surfaces of silver nanoparticles: Synthesis of Janus particles. Nanotechnologies in Russia, 2014, 9, 467-473.	0.7	12
3587	A Comprehensive Study of Extended Tetrathiafulvalene Cruciform Molecules for Molecular Electronics: Synthesis and Electrical Transport Measurements. Journal of the American Chemical Society, 2014, 136, 16497-16507.	6.6	55
3588	Reversible metallisation of soft UV patterned substrates. Journal of Materials Chemistry C, 2014, 2, 5916-5923.	2.7	4
3589	Oriented crystal growth on organic monolayers. CrystEngComm, 2014, 16, 1430-1438.	1.3	24
3590	Rapid construction of an effective antifouling layer on a Au surface via electrodeposition. Chemical Communications, 2014, 50, 6793-6796.	2.2	21
3591	Probing active site chemistry with differently charged Au25q nanoclusters (q = â^1, 0, +1). Chemical Science, 2014, 5, 3151.	3.7	110
3592	Enhanced vertical carrier mobility in poly(3-alkylthiophene) thin films sandwiched between self-assembled monolayers and surface-segregated layers. Chemical Communications, 2014, 50, 3627-3630.	2.2	27
3593	Impact of crystal orientation on the adsorption kinetics of a porous coordination polymer–quartz crystal microbalance hybrid sensor. Journal of Materials Chemistry C, 2014, 2, 3336.	2.7	38

#	Article	IF	CITATIONS
3594	Self-assembled alkanethiol monolayers on gold surfaces: resolving the complex structure at the interface by STM. Physical Chemistry Chemical Physics, 2014, 16, 19074.	1.3	85
3595	Charged nanoparticles crystallizing and controlling crystallization: from coatings to nanoparticle surfactants to chemical amplifiers. CrystEngComm, 2014, 16, 9368-9380.	1.3	7
3596	The role of substrate interactions in the modification of surface forces by self-assembled monolayers. RSC Advances, 2014, 4, 16803-16812.	1.7	9
3597	Surface functionalization of organic semiconductor films by segregated monolayers. Physical Chemistry Chemical Physics, 2014, 16, 16383.	1.3	12
3598	Influence of Molecular Dipole Orientations on Long-Range Exponential Interaction Forces at Hydrophobic Contacts in Aqueous Solutions. ACS Nano, 2014, 8, 10870-10877.	7.3	25
3599	Developing Antifouling Biointerfaces Based on Bioinspired Zwitterionic Dopamine through pH-Modulated Assembly. Langmuir, 2014, 30, 12638-12646.	1.6	43
3600	Convenient detection of the thiol functional group using H/D isotope sensitive Raman spectroscopy. Analyst, The, 2014, 139, 2118-2121.	1.7	20
3601	Gas-surface reactions of nitrate radicals with vinyl-terminated self-assembled monolayers. Physical Chemistry Chemical Physics, 2014, 16, 16659-16670.	1.3	13
3602	Avoiding problem reactions at the ferrocenyl-alkyne motif: a convenient synthesis of model, redox-active complexes for molecular electronics. Dalton Transactions, 2014, 43, 15287-15290.	1.6	14
3603	Spiropyran as a reusable chemosensor for selective colorimetric detection of aromatic thiols. Physical Chemistry Chemical Physics, 2014, 16, 12137-12142.	1.3	36
3604	A novel model for the (â^š3 × â^š3)R30° alkanethiolate–Au(111) phase based on alkanethiolate–Au adaton complexes. Physical Chemistry Chemical Physics, 2014, 16, 19017.	ⁿ 1.3	13
3605	Promoting 2D Growth in Colloidal Transition Metal Sulfide Semiconductor Nanostructures via Halide Ions. Chemistry of Materials, 2014, 26, 6120-6126.	3.2	32
3606	Facile Method for Preparing Surface-Mounted Cucurbit[8]uril-Based Rotaxanes. Langmuir, 2014, 30, 10926-10932.	1.6	39
3607	Atomic Force Microscopy Probing of Receptor–Nanoparticle Interactions for Riboflavin Receptor Targeted Gold–Dendrimer Nanocomposites. Journal of Physical Chemistry B, 2014, 118, 2872-2882.	1.2	35
3608	Ceragenin Mediated Selectivity of Antimicrobial Silver Nanoparticles. ACS Applied Materials & Interfaces, 2014, 6, 13900-13908.	4.0	20
3609	Electronic Properties of Self-Assembled Trimesic Acid Monolayer on Graphene. Langmuir, 2014, 30, 9707-9716.	1.6	56
3610	Fast, Simple, Combinatorial Routes to the Fabrication of Reusable, Plasmonically Active Gold Nanostructures by Interferometric Lithography of Self-Assembled Monolayers. ACS Nano, 2014, 8, 7858-7869.	7.3	16
3611	Ligand Desorption and Desulfurization on Silver Nanoparticles Using Sodium Borohydride in Water. Journal of Physical Chemistry C, 2014, 118, 10509-10518.	1.5	21

#	Article	IF	CITATIONS
3612	Bioconjugation of Gold Nanoparticles through the Oxidative Coupling of <i>ortho</i> -Aminophenols and Anilines. Bioconjugate Chemistry, 2014, 25, 1888-1892.	1.8	17
3613	Noble Metal Nanoparticle Platform. , 2014, , 327-346.		7
3614	Materials engineering for surface-confined flame retardancy. Materials Science and Engineering Reports, 2014, 84, 1-20.	14.8	139
3615	Modeling Calcite Crystallization on Self-Assembled Carboxylate-Terminated Alkanethiols. Journal of Physical Chemistry C, 2014, 118, 19188-19193.	1.5	4
3616	Carbohydrate Coating Reduces Adhesion of Biofilm-Forming Bacillus subtilis to Gold Surfaces. Applied and Environmental Microbiology, 2014, 80, 5911-5917.	1.4	19
3617	Surface ligands in synthesis, modification, assembly and biomedical applications of nanoparticles. Nano Today, 2014, 9, 457-477.	6.2	169
3618	A micromotor based on polymer single crystals and nanoparticles: toward functional versatility. Nanoscale, 2014, 6, 8601-8605.	2.8	56
3619	Raising the shields: PCR in the presence of metallic surfaces protected by tailor-made coatings. Colloids and Surfaces B: Biointerfaces, 2014, 122, 576-582.	2.5	4
3620	How Naturally Adsorbed Material on Minerals Affects Low Salinity Enhanced Oil Recovery. Energy & Fuels, 2014, 28, 4849-4858.	2.5	60
3621	Fabrication of ssDNA/Oligo(ethylene glycol) Monolayers by Promoted Exchange Reaction with Thiol and Disulfide Substituents. Journal of Physical Chemistry C, 2014, 118, 3093-3101.	1.5	4
3622	Engineered Peptides for Nanohybrid Assemblies. Langmuir, 2014, 30, 2137-2143.	1.6	12
3623	Glycosylation Characterization of Human and Porcine Fibrinogen Proteins by Lectin-Binding Biophotonic Microarray Imaging. Analytical Chemistry, 2014, 86, 621-628.	3.2	11
3624	Exchange Reactions between Alkanethiolates and Alkaneselenols on Au{111}. Journal of the American Chemical Society, 2014, 136, 8110-8121.	6.6	41
3625	Prevention of Photooxidation of Deoxymyoglobin and Reduced Cytochrome <i>c</i> during Enhanced Raman Measurements: SERRS with Thiol-Protected Ag Nanoparticles and a TERS Technique. Journal of Physical Chemistry C, 2014, 118, 10329-10334.	1.5	13
3626	Impedance Biosensors: Applications to Sustainability and Remaining Technical Challenges. ACS Sustainable Chemistry and Engineering, 2014, 2, 1649-1655.	3.2	79
3627	Direct Electroplated Metallization on Indium Tin Oxide Plastic Substrate. Langmuir, 2014, 30, 132-139.	1.6	14
3628	Physisorption and Chemisorption of a Self-Assembled Monolayer by the Quartz Crystal Microbalance. Langmuir, 2014, 30, 9637-9642.	1.6	6
3629	Effects of Functional Groups and Ionization on the Structure of Alkanethiol-Coated Gold Nanoparticles. Langmuir, 2014, 30, 11075-11085.	1.6	54

#	Article	IF	CITATIONS
3630	Trimethyltin-Mediated Covalent Gold–Carbon Bond Formation. Journal of the American Chemical Society, 2014, 136, 12556-12559.	6.6	25
3631	Interfacial Properties and Design of Functional Energy Materials. Accounts of Chemical Research, 2014, 47, 3395-3405.	7.6	14
3632	Transport Through Self-Assembled Monolayer Molecular Junctions: Role of In-Plane Dephasing. Journal of Physical Chemistry C, 2014, 118, 21119-21127.	1.5	37
3633	Quantifying thiol–gold interactions towards the efficient strength control. Nature Communications, 2014, 5, 4348.	5.8	518
3634	Interactions of Na ⁺ , K ⁺ , Mg ²⁺ , and Ca ²⁺ with Benzene Self-Assembled Monolayers. Langmuir, 2014, 30, 9115-9122.	1.6	16
3635	Electrochemical reductive desorption of alkyl self-assembled monolayers studied <i>in situ</i> by spectroscopic ellipsometry: evidence for formation of a low refractive index region after desorption. Physical Chemistry Chemical Physics, 2014, 16, 17081-17090.	1.3	13
3636	Solvothermal Growth and Photophysical Characterization of a Ruthenium(II) Tris(2,2′-Bipyridine)-Doped Zirconium UiO-67 Metal Organic Framework Thin Film. Journal of Physical Chemistry C, 2014, 118, 14200-14210.	1.5	59
3637	Atomic Force Microscopy Characterization and Lithography of Cu-Ligated Mercaptoalkanoic Acid "Molecular Ruler―Multilayers. Langmuir, 2014, 30, 7447-7455.	1.6	10
3638	Improving the Dielectric Properties of Ethylene-Glycol Alkanethiol Self-Assembled Monolayers. Langmuir, 2014, 30, 1321-1326.	1.6	24
3639	An Electrochemically Switched Smart Surface for Peptide Immobilization and Conformation Control. Journal of the American Chemical Society, 2014, 136, 11050-11056.	6.6	17
3640	Near-Infrared Fluorescent Probe for Detection of Thiophenols in Water Samples and Living Cells. Analytical Chemistry, 2014, 86, 8835-8841.	3.2	189
3641	Novel Peptide-Based Platform for the Dual Presentation of Biologically Active Peptide Motifs on Biomaterials. ACS Applied Materials & Interfaces, 2014, 6, 6525-6536.	4.0	73
3642	Single-molecule electronics: from chemical design to functional devices. Chemical Society Reviews, 2014, 43, 7378-7411.	18.7	433
3643	Surface plasmon resonance: signal amplification using colloidal gold nanoparticles for enhanced sensitivity. Reviews in Analytical Chemistry, 2014, 33, .	1.5	83
3644	Controlling Leakage Currents: The Role of the Binding Group and Purity of the Precursors for Self-Assembled Monolayers in the Performance of Molecular Diodes. Journal of the American Chemical Society, 2014, 136, 1982-1991.	6.6	83
3645	Time-of-Flight Secondary Ion Mass Spectrometry Investigation of the Orientation of Adsorbed Antibodies on SAMs Correlated to Biorecognition Tests. Journal of Physical Chemistry C, 2014, 118, 2085-2092.	1.5	27
3646	Single-Molecule Magnets on Surfaces. Structure and Bonding, 2014, , 293-330.	1.0	18
3647	Self-assembled monolayers of mercaptobenzoic acid and magnetite nanoparticles as an efficient support for development of tuberculosis genosensor. Journal of Colloid and Interface Science, 2014,	5.0	38

#	Article	IF	CITATIONS
3648	Quantitative Compositional Profiling of Conjugated Quantum Dots with Single Atomic Layer Depth Resolution via Time-of-Flight Medium-Energy Ion Scattering Spectroscopy. Analytical Chemistry, 2014, 86, 1091-1097.	3.2	23
3649	Synthesis and Applications of Gold Nanoparticles. Advanced Materials Research, 0, 1002, 23-27.	0.3	0
3650	Influence of Capping on the Atomistic Arrangement in Palladium Nanoparticles at Room Temperature. Journal of Physical Chemistry C, 2014, 118, 24641-24647.	1.5	20
3651	Determination of the Charge Transport Mechanisms in Ultrathin Copper Phthalocyanine Vertical Heterojunctions. Journal of Physical Chemistry C, 2014, 118, 7272-7279.	1.5	39
3652	Polythiol copolymers with precise architectures: a platform for functional materials. Polymer Chemistry, 2014, 5, 4601.	1.9	54
3653	Solvent polarity effect on quality of n-octadecanethiol self-assembled monolayers on copper and oxidized copper. Applied Surface Science, 2014, 320, 200-206.	3.1	15
3654	Ligand capture and activation of human platelets at monolayer modified gold surfaces. Biomaterials Science, 2014, 2, 1509-1520.	2.6	9
3655	Facile Fabrication of Color Tunable Film and Fiber Nanocomposites via Thiol Click Chemistry. Macromolecules, 2014, 47, 695-704.	2.2	23
3656	A scanning tunneling microscopy investigation of the phases formed by the sulfur adsorption on Au(100) from an alkaline solution of 1,4-piperazine(bis)-dithiocarbamate of potassium. Applied Surface Science, 2014, 320, 287-293.	3.1	6
3657	Surface onfined Selfâ€Assembled Janus Tectons: A Versatile Platform towards the Noncovalent Functionalization of Graphene. Angewandte Chemie, 2014, 126, 10224-10230.	1.6	6
3658	Controlling drop-casting deposition of 2D Pt-octaethyl porphyrin layers on graphite. Synthetic Metals, 2014, 195, 201-207.	2.1	12
3659	Carboxyl functionalized gold nanoparticles in situ grown on reduced graphene oxide for micro-gravimetric ammonia sensing. Sensors and Actuators B: Chemical, 2014, 202, 846-853.	4.0	39
3660	Fabrication of a Photocontrolled Surface with Switchable Wettability Based on Host–Guest Inclusion Complexation and Protein Resistance. Langmuir, 2014, 30, 9361-9369.	1.6	28
3661	Dropwise Condensation on Micro- and Nanostructured Surfaces. Nanoscale and Microscale Thermophysical Engineering, 2014, 18, 223-250.	1.4	235
3662	Electrochemical Identification of Molecular Heterogeneity in Binary Redox Self-Assembled Monolayers on Gold. Journal of Physical Chemistry C, 2014, 118, 13733-13742.	1.5	25
3663	Cell Division Orientation on Biospecific Peptide Gradients. ACS Applied Materials & amp; Interfaces, 2014, 6, 11523-11528.	4.0	9
3664	Palladium Chloride as Seeding and Surfactant Layer to Mediate the Formation of Top Metal Films on Self-Assembled Monolayers. Journal of Physical Chemistry C, 2014, 118, 12980-12988.	1.5	7
3665	Characterization of Two-Dimensional Chiral Self-Assemblies <scp>l</scp> - and <scp>d</scp> -Methionine on Au(111). Langmuir, 2014, 30, 203-212.	1.6	41

#	Article	IF	CITATIONS
3666	Electrochemically Durable Thiophene Alkanethiol Self-Assembled Monolayers. Langmuir, 2014, 30, 1536-1543.	1.6	7
3667	Formation of Highly Ordered Self-Assembled Monolayers of Alkynes on Au(111) Substrate. Journal of the American Chemical Society, 2014, 136, 11918-11921.	6.6	63
3668	Stimuli-Selective Delivery of two Payloads from Dual Responsive Nanocontainers. Chemistry of Materials, 2014, 26, 3351-3353.	3.2	64
3669	Au anchored to (α-Fe2O3)-MCM-41-HS as a novel magnetic nanocatalyst for water-medium and solvent-free alkyne hydration. Catalysis Communications, 2014, 57, 29-35.	1.6	17
3670	Nanotechnologyâ€Based Strategies for the Detection and Quantification of MicroRNA. Chemistry - A European Journal, 2014, 20, 9476-9492.	1.7	56
3671	Dynamic Properties of Self-Assembled Monolayers of Mercapto Oligo(ethylene oxide) Methyl Ether on an Oscillating Solid–Liquid Interface. Journal of Physical Chemistry C, 2014, 118, 16067-16073.	1.5	14
3672	Aqueous route to facile, efficient and functional silica coating of metal nanoparticles at room temperature. Nanoscale, 2014, 6, 11273-11281.	2.8	44
3673	Distinct self-assembly of dithiol monolayers on Au(111) in water and hexane. Chemical Physics, 2014, 441, 77-82.	0.9	6
3674	Destabilization of Gold Clusters for Controlled Nanosynthesis: From Clusters to Polyhedra. Advanced Materials, 2014, 26, 3427-3432.	11.1	21
3675	A molecular dynamics study on heat conduction characteristics inside the alkanethiolate SAM and alkane liquid. International Journal of Heat and Mass Transfer, 2014, 78, 630-635.	2.5	35
3676	Dissolved Organic Matter Adsorption to Model Surfaces: Adlayer Formation, Properties, and Dynamics at the Nanoscale. Environmental Science & amp; Technology, 2014, 48, 9420-9429.	4.6	54
3677	Organic Dipole Layers for Ultralow Work Function Electrodes. ACS Nano, 2014, 8, 9173-9180.	7.3	98
3678	Length-Dependent Thermal Transport along Molecular Chains. Physical Review Letters, 2014, 113, 060801.	2.9	127
3679	Adsorption of Alkylthiol Self-Assembled Monolayers on Gold and the Effect of Substrate Roughness: A Comparative Study Using Scanning Tunneling Microscopy, Cyclic Voltammetry, Second-Harmonic Generation, and Sum-Frequency Generation. Journal of Physical Chemistry C, 2014, 118, 20374-20382.	1.5	29
3683	Polymer Brushes Exhibiting Versatile Supramolecular Interactions Grown by Nitroxide-Mediated Polymerization and Structured via Microcontact Chemistry. Macromolecules, 2014, 47, 2411-2419.	2.2	21
3684	Sharp Transition in the Immunoimmobilization of <i>E. coli</i> O157:H7. Langmuir, 2014, 30, 7755-7761.	1.6	1
3685	Directed Assembly of Nanodiamond Nitrogen-Vacancy Centers on a Chemically Modified Patterned Surface. ACS Applied Materials & Interfaces, 2014, 6, 12893-12900.	4.0	15
3686	Surface-Enhanced Raman Spectroscopy of Self-Assembled Monolayer Conformation and Spatial Uniformity on Silver Surfaces. Journal of Physical Chemistry C, 2014, 118, 11857-11868.	1.5	8

#	Article	IF	CITATIONS
3687	Real-Time Observation of Atomic Layer Deposition Inhibition: Metal Oxide Growth on Self-Assembled Alkanethiols. ACS Applied Materials & amp; Interfaces, 2014, 6, 11891-11898.	4.0	59
3688	Odd–Even Effect in the Hydrophobicity of <i>n</i> -Alkanethiolate Self-Assembled Monolayers Depends upon the Roughness of the Substrate and the Orientation of the Terminal Moiety. Langmuir, 2014, 30, 11985-11992.	1.6	42
3689	Formation and Structure of Copper(II) Oxalate Layers on Carboxy-Terminated Self-Assembled Monolayers. Langmuir, 2014, 30, 11945-11954.	1.6	17
3690	Adsorption of Colloidal Platinum Nanoparticles to Supports: Charge Transfer and Effects of Electrostatic and Steric Interactions. Langmuir, 2014, 30, 11928-11936.	1.6	81
3691	Molecular Interactions Driving the Layer-by-Layer Assembly of Multilayers. Chemical Reviews, 2014, 114, 8883-8942.	23.0	697
3692	In Situ Vibrational Study of the Reductive Desorption of Alkanethiol Monolayers on Gold by Sum Frequency Generation Spectroscopy. Journal of Physical Chemistry C, 2014, 118, 29126-29134.	1.5	32
3693	In Situ Diazonium-Modified Flexible ITO-Coated PEN Substrates for the Deposition of Adherent Silver–Polypyrrole Nanocomposite Films. Langmuir, 2014, 30, 9397-9406.	1.6	28
3694	Probing Quantum Plasmon Coupling Using Gold Nanoparticle Dimers with Tunable Interparticle Distances Down to the Subnanometer Range. ACS Nano, 2014, 8, 8554-8563.	7.3	176
3695	Hybrid Wiring of the <i>Rhodobacter sphaeroides</i> Reaction Center for Applications in Bio-photoelectrochemical Solar Cells. Journal of Physical Chemistry C, 2014, 118, 23509-23518.	1.5	44
3696	Effects of Composition of Oligo(ethylene glycol)-Based Mixed Monolayers on Peptide Grafting and Human Immunoglobulin Detection. Journal of Physical Chemistry C, 2014, 118, 5361-5373.	1.5	14
3697	Introducing Ionic and/or Hydrogen Bonds into the SAM//Ga ₂ O ₃ Top-Interface of Ag ^{TS} /S(CH ₂) _{<i>n</i>} T//Ga ₂ O ₃ /EGaIn Junctions. Nano Letters, 2014, 14, 3521-3526.	4.5	45
3698	Electron Transfer to Covalently Immobilized Keggin Polyoxotungstates on Gold. Langmuir, 2014, 30, 4509-4516.	1.6	19
3699	Unraveling the Factors That Control Soft Landing of Small Silyl Ions on Fluorinated Self-Assembled Monolayers. Journal of Physical Chemistry C, 2014, 118, 10159-10169.	1.5	5
3700	Coupling of Organic and Inorganic Vibrational States and Their Thermal Transport in Nanocrystal Arrays. Journal of Physical Chemistry C, 2014, 118, 7288-7295.	1.5	68
3701	Are glycan biosensors an alternative to glycan microarrays?. Analytical Methods, 2014, 6, 6610-6620.	1.3	26
3702	Self-assembled monolayers on gold generated from terminally perfluorinated alkanethiols bearing propyl vs. ethyl hydrocarbon spacers. Journal of Fluorine Chemistry, 2014, 168, 128-136.	0.9	10
3704	Analysis of citrate-capped gold and silver nanoparticles by thiol ligand exchange capillary electrophoresis. Mikrochimica Acta, 2014, 181, 1789-1796.	2.5	31
3705	Synergetic effect of Prussian blue film with gold nanoparticle graphite–wax composite electrode for the enzyme-free ultrasensitive hydrogen peroxide sensor. Journal of Solid State Electrochemistry, 2014, 18, 883-891.	1.2	23

# 3706	ARTICLE A Polymer-Free Paclitaxel Eluting Coronary Stent: Effects of Solvents, Drug Concentrations and Coating Methods. Annals of Biomedical Engineering, 2014, 42, 1170-1184.	IF 1.3	Citations
3707	Diffusion of self-assembled monolayers of thiols on the gold surfaces covered with polydimethylsiloxane stamps. Journal of Materials Science, 2014, 49, 4394-4398.	1.7	5
3708	Ultrasonic cavitation test applied to thin metallic films for assessing their adhesion with mercaptosilanes and surface roughness. Journal of Materials Science, 2014, 49, 6750-6761.	1.7	6
3709	Protein Interactions with Polymer Coatings and Biomaterials. Angewandte Chemie - International Edition, 2014, 53, 8004-8031.	7.2	614
3710	Self-assembled monolayers of thiolates on metals: a review article on sulfur-metal chemistry and surface structures. RSC Advances, 2014, 4, 27730-27754.	1.7	187
3711	Monolayer protected gold nanoparticles: the effect of the headgroup–Au interaction. Physical Chemistry Chemical Physics, 2014, 16, 15979.	1.3	27
3712	Photolithographic bio-patterning of magnetic sensors for biomolecular recognition. Sensors and Actuators B: Chemical, 2014, 200, 39-46.	4.0	21
3713	Comparative study of stability of phosphonate self-assembled monolayers on indium–tin oxide electrodes prepared using different methods. Journal of Electroanalytical Chemistry, 2014, 712, 8-13.	1.9	7
3714	Surface Structure, Adsorption, and Thermal Desorption Behaviors of Methaneselenolate Monolayers on Au(111) from Dimethyl Diselenides. Journal of Physical Chemistry C, 2014, 118, 8322-8330.	1.5	30
3715	Interface Control in Organic Electronics Using Mixed Monolayers of Carboranethiol Isomers. Nano Letters, 2014, 14, 2946-2951.	4.5	90
3716	Chirality in Thiolate-Protected Gold Clusters. Accounts of Chemical Research, 2014, 47, 1318-1326.	7.6	370
3717	Synthesis and Surfaceâ€Spectroscopic Characterization of Photoisomerizable glycoâ€SAMs on Au(111). Chemistry - A European Journal, 2014, 20, 8744-8752.	1.7	23
3718	Organic semiconductors for device applications: current trends and future prospects. Journal of Polymer Engineering, 2014, 34, 279-338.	0.6	58
3719	A Density Functional Theory Study of the Reconstruction of Gold (111) Surfaces. Journal of Physical Chemistry C, 2014, 118, 15624-15629.	1.5	15
3720	One-Pot Electrografting of Mixed Monolayers with Controlled Composition. Journal of Physical Chemistry C, 2014, 118, 15919-15928.	1.5	40
3721	Metal–organic framework membranes: from synthesis to separation application. Chemical Society Reviews, 2014, 43, 6116-6140.	18.7	1,365
3722	Tailoring the Surface Chemistry of Gold Nanorods through Au–C/Ag–C Covalent Bonds Using Aryl Diazonium Salts. Journal of Physical Chemistry C, 2014, 118, 19098-19105.	1.5	54
3723	Plasmon-Enhanced Fluorescence Biosensors: a Review. Plasmonics, 2014, 9, 781-799.	1.8	380

#	Article	IF	CITATIONS
3724	A review of self-assembled monolayers as potential terahertz frequency tunnel diodes. Nano Research, 2014, 7, 589-625.	5.8	34
3725	Synthesis and photochromic properties of disulfide-1,3-diazabicyclo[3.1.0]hex-3-ene functionalized silver nanoparticles. Journal of Molecular Liquids, 2014, 198, 128-133.	2.3	24
3726	Interfaceâ€Strengthened Polyimide/Carbon Nanofibers Nanocomposites with Superior Mechanical and Tribological Properties. Macromolecular Chemistry and Physics, 2014, 215, 1407-1414.	1.1	15
3727	Controlling the Surface Environment of Heterogeneous Catalysts Using Self-Assembled Monolayers. Accounts of Chemical Research, 2014, 47, 1438-1445.	7.6	262
3728	Information on quantum states pervades the visible spectrum of the ubiquitous Au144(SR)60 gold nanocluster. Nature Communications, 2014, 5, 3785.	5.8	127
3729	Nanomaterials for Diagnosis: Challenges and Applications in Smart Devices Based on Molecular Recognition. ACS Applied Materials & Interfaces, 2014, 6, 14745-14766.	4.0	146
3730	Glutathione Immunosensing Platform Based on Total Internal Reflection Ellipsometry Enhanced by Functionalized Gold Nanoparticles. Analytical Chemistry, 2014, 86, 4969-4976.	3.2	23
3731	Interaction of Human Plasma Proteins with Thin Gelatin-Based Hydrogel Films: A QCM-D and ToF-SIMS Study. Biomacromolecules, 2014, 15, 2398-2406.	2.6	29
3732	Electrochemical and AFM Study of the 2D-Assembly of Colloidal Gold Nanoparticles on Dithiol SAMs Tuned by Ionic Strength. Journal of Physical Chemistry C, 2014, 118, 14617-14628.	1.5	11
3733	Sensitive and regenerable organochalcogen probes for the colorimetric detection of thiols. RSC Advances, 2014, 4, 11535-11538.	1.7	29
3734	Octadecanethiol as Corrosion Inhibitor for Zinc and Patterned Zinc-Copper in Humidified Air with Formic Acid. Journal of the Electrochemical Society, 2014, 161, C330-C338.	1.3	16
3735	The synergistic mechanism of phytic acid monolayers and iodide ions for inhibition of copper corrosion in acidic media. RSC Advances, 2014, 4, 10597-10606.	1.7	39
3736	Molecular Composition, Grafting Density and Film Area Affect the Swelling-Induced Au–S Bond Breakage. ACS Applied Materials & Interfaces, 2014, 6, 8313-8319.	4.0	13
3737	Biomarker Binding on an Antibody-Functionalized Biosensor Surface: The Influence of Surface Properties, Electric Field, and Coating Density. Journal of Physical Chemistry C, 2014, 118, 14586-14594.	1.5	14
3738	Control of Metal Catalyst Selectivity through Specific Noncovalent Molecular Interactions. Journal of the American Chemical Society, 2014, 136, 520-526.	6.6	246
3739	Equivalent Circuits of a Self-Assembled Monolayer-Based Tunnel Junction Determined by Impedance Spectroscopy. Journal of the American Chemical Society, 2014, 136, 11134-11144.	6.6	94
3740	Formation of Stabilized Ketene Intermediates in the Reaction of O(3P) with Oligo(phenylene) Tj ETQq0 0 0 rgBT / 15846-15852.	Overlock 1.5	10 Tf 50 107 7
3741	Comparative Studies of Photoelectron Spectroscopy and Voltammetry of Ferrocene-Terminated Self-Assembled Monolayers Possessing Different Electron-Donating Abilities. Journal of Physical Chemistry C 2014, 118, 10936-10943	1.5	24

#	Article	IF	CITATIONS
3742	Electroless Plating of Thin Gold Films Directly onto Silicon Nitride Thin Films and into Micropores. ACS Applied Materials & Interfaces, 2014, 6, 10952-10957.	4.0	24
3743	Determination of self-exchange rate of alkanethiolates in self-assembled monolayers on gold using matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Analytica Chimica Acta, 2014, 843, 38-45.	2.6	15
3744	Tetrapodal Molecular Switches and Motors: Synthesis and Photochemistry. Journal of Organic Chemistry, 2014, 79, 7032-7040.	1.7	27
3745	Attachment of a Diruthenium Compound to Au and SiO ₂ /Si Surfaces by "Click―Chemistry. Langmuir, 2014, 30, 10280-10289.	1.6	17
3746	Deterministic Optical-Near-Field-Assisted Positioning of Nitrogen-Vacancy Centers. Nano Letters, 2014, 14, 1520-1525.	4.5	49
3747	Visible-light photochromic nanocomposite thin films based on polyvinylpyrrolidone and polyoxometalates supported on clay minerals. Applied Surface Science, 2014, 316, 637-642.	3.1	16
3748	Directing the fate of human and mouse mesenchymal stem cells by hydroxyl–methyl mixed self-assembled monolayers with varying wettability. Journal of Materials Chemistry B, 2014, 2, 4794.	2.9	73
3749	Adsorption of methanethiol on Au(1 1 1): Role of hydrogen bonds. Chemical Physics Letters, 2014, 610-611, 381-387.	1.2	2
3750	Area-Selective ALD of TiO ₂ Nanolines with Electron-Beam Lithography. Journal of Physical Chemistry C, 2014, 118, 23306-23312.	1.5	35
3751	Interface Engineering To Control Magnetic Field Effects of Organic-Based Devices by Using a Molecular Self-Assembled Monolayer. ACS Nano, 2014, 8, 7192-7201.	7.3	19
3752	Surface Termination of the Metal-Organic Framework HKUST-1: A Theoretical Investigation. Journal of Physical Chemistry Letters, 2014, 5, 3206-3210.	2.1	65
3753	Nickel Deposition on Fluorinated, Aromatic Self-Assembled Monolayers: Chemically Induced Cross-Linking as a Tool for the Preparation of Well-Defined Top Metal Films. Journal of Physical Chemistry C, 2014, 118, 11763-11773.	1.5	7
3754	Intermolecular Potential for Binding of Protonated Peptide Ions with Perfluorinated Hydrocarbon Surfaces. Journal of Physical Chemistry B, 2014, 118, 5577-5588.	1.2	17
3755	Self-Assembled Monolayers of C ₆₀ –Triphenylamine Dyads as Photo-Switched Interfacial Layers for Potential Application in Photovoltaic Cells. ACS Applied Materials & Interfaces, 2014, 6, 3712-3720.	4.0	8
3756	Modifying porous silicon with self-assembled monolayers for biomedical applications. , 2014, , 81-103.		4
3757	Locally Induced and Self-Induced "Electroclick―onto a Self-Assembled Monolayer: Writing and Reading with SECM under Unbiased Conditions. Langmuir, 2014, 30, 4501-4508.	1.6	17
3758	X-ray Photoelectron Spectroscopy Investigation of the Nitrogen Species in Photoactive Perfluorophenylazide-Modified Surfaces. Journal of Physical Chemistry C, 2014, 118, 376-383.	1.5	106
3759	Biosynthesis, characterization and synergistic effect of phytogenic gold nanoparticles by marine picoeukaryote Picochlorum sp. in combination with antimicrobials. Rendiconti Lincei, 2014, 25, 513-521.	1.0	17

ARTICLE IF CITATIONS Theory for correlation between plasma fluctuation and fluctuation of nanoparticle growth in 3760 0.8 9 reactive plasmas. Japanese Journal of Applied Physics, 2014, 53, 010201. Protein-modified porous silicon films for biomedical applications., 2014, , 104-128. 3761 Electrocatalytic reduction of bromothiophenes on gold and silver electrodes: An example of synergy 3762 2.313 in electrocatalysis. Electrochemistry Communications, 2014, 38, 100-103. Modification of silicon oxide surfaces by monolayers of an oligoethylene glycol-terminated perfluoroalkyl silane. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 449, 3763 31-41 Density functional theory calculations for Pd adsorption on SO4 adsorbed on h-BN. Computational 3764 1.4 16 Materials Science, 2014, 82, 231-236. $\label{eq:chain-Length} Chain-Length and Temperature Dependence of Self-Assembled Monolayers of Alkylthiolates on Au(111) and Ag(111) Surfaces. Journal of Physical Chemistry A, 2014, 118, 4138-4146.$ 1.1 Probing the effect of surface chemistry on the electrical properties of ultrathin gold nanowire 3766 2.8 27 sensors. Nanoscale, 2014, 6, 5146-5155. Multiscale treatment of mechanical contact problems involving thin polymeric layers. Modelling and 0.8 Simulation in Materials Science and Engineering, 2014, 22, 045012. Biofunctionalized self-propelled micromotors as an alternative on-chip concentrating system. Lab on 3768 3.1 49 A Chip, 2014, 14, 2914-2917. Potential-Induced Adsorption Behavior of Carboxyl-Terminated Alkanethiol on Au(111) Surfaces. 1.5 Journal of Physical Chemistry C, 2014, 118, 989-993. Photopatterning of self assembled monolayers on oxide surfaces for the selective attachment of 3770 3 5.3biomolecules. Biosensors and Bioelectronics, 2014, 53, 82-89. Electrochemical DNA biosensor for the detection of pathogenic bacteria Aeromonas hydrophila. 3771 2.6 Electrochimica Acta, 2014, 128, 67-74. Nanostructured TiO2 modified with acetohydrazide zinc porphyrin well-arrays for supramolecular 3772 1.4 7 solar cells. Organic Electronics, 2014, 15, 509-516. Tris(3-hydroxypropyl)methyl as a stable linker for porphyrin monolayer on silicate glass. Thin Solid Films, 2014, 556, 174-185. 3773 0.8 Study of ionic transport through metalized nanoporous membranes functionalized with 3774 4.1 4 self-assembled monolayers. Journal of Membrane Science, 2014, 461, 106-113. A versatile synthetic strategy for nanoporous gold–organic hybrid materials for electrochemistry 3775 1.0 14 and photocatalysis. Tetrahedron, 2014, 70, 6127-6133. Effect of the transducer's surface pre-treatment on SPR aptasensor development. Sensors and 3776 4.0 6 Actuators B: Chemical, 2014, 191, 634-642. Molecular dynamic simulations of anisotropic wetting and embedding on functionalized polypropylene surfaces. Chemical Physics, 2014, 429, 44-50.

#	Article	IF	Citations
3778	The effect of a novel polyolefine based amphiphilic copolymer on the mineralization of calcium carbonate. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 446, 50-56.	2.3	4
3779	Synthesis and self-assembly of phthalocyanines bearing sulfur-containing substituents. Chinese Chemical Letters, 2014, 25, 46-50.	4.8	5
3780	Functionalization of gold surfaces with copoly(DMA-NAS-MAPS) by dip coating: Surface characterization and hybridization tests. Sensors and Actuators B: Chemical, 2014, 190, 234-242.	4.0	12
3781	Mercaptohexanol assembled on gold: FM-AFM imaging in water. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 441, 149-154.	2.3	17
3782	Chiral assemblies of nickel lysinate via the corrosive adsorption of (S)-lysine on Ni/Au{111}. Surface Science, 2014, 629, 102-107.	0.8	8
3783	Highly-ordered self-assembled monolayer of alkanethiol on thermally annealed polycrystalline gold films. Chemical Physics, 2014, 428, 105-110.	0.9	7
3784	Ultrathin Sheets of Metal or Metal Sulfide from Molecularly Thin Sheets of Metal Thiolates in Solution. Chemistry of Materials, 2014, 26, 3436-3442.	3.2	23
3785	Advances in Plasmonic Technologies for Point of Care Applications. Chemical Reviews, 2014, 114, 5728-5752.	23.0	337
3786	Electron Transfer through 3D Monolayers on Au ₂₅ Clusters. ACS Nano, 2014, 8, 2788-2795.	7.3	80
3787	Orientational Ordering of Passivating Ligands on CdS Nanorods in Solution Generates Strong Rod–Rod Interactions. Nano Letters, 2014, 14, 57-65.	4.5	59
3788	Polydopamine and Its Derivative Materials: Synthesis and Promising Applications in Energy, Environmental, and Biomedical Fields. Chemical Reviews, 2014, 114, 5057-5115.	23.0	3,865
3789	Functionalized aligned silver nanorod arrays for glucose sensing through surface enhanced Raman scattering. RSC Advances, 2014, 4, 23382.	1.7	45
3790	11-Hydroxyundecyl octadecyl disulfide self-assembled monolayers on Au(111). Applied Surface Science, 2014, 311, 643-647.	3.1	8
3791	Controlling cell behavior with peptide nano-patterns. Journal of Colloid and Interface Science, 2014, 430, 207-213.	5.0	8
3792	Connecting the dots. Science, 2014, 344, 1340-1341.	6.0	21
3793	Surface Functionalization of Zirconium Phosphate Nanoplatelets for the Design of Polymer Fillers. ACS Applied Materials & Interfaces, 2014, 6, 585-592.	4.0	83
3794	Substituent Parameters Impacting Isomer Composition and Optical Properties of Dihydroindolizine Molecular Switches. Journal of Organic Chemistry, 2014, 79, 5586-5594.	1.7	6
3795	Interactions of anti-proliferative and anti-platelet drugs with self-assembled monolayers: a future strategy in stent development. RSC Advances, 2014, 4, 4218-4224.	1.7	2

#	Article	IF	CITATIONS
3796	Luminescent Gold Surfaces for Sensing and Imaging: Patterning of Transition Metal Probes. ACS Applied Materials & Interfaces, 2014, 6, 11598-11608.	4.0	12
3797	Electroactive mixed self-assembled monolayers: A numerical overview of phase segregations. Electrochemistry Communications, 2014, 45, 17-22.	2.3	2
3798	The role of serum proteins in Staphylococcus aureus adhesion to ethylene glycol coated surfaces. International Journal of Medical Microbiology, 2014, 304, 949-957.	1.5	13
3799	Functional surface engineering by nucleotide-modulated potassium channel insertion into polymer membranes attached to solid supports. Biomaterials, 2014, 35, 7286-7294.	5.7	40
3800	Investigating phosphonate monolayer stability on ALD oxide surfaces. Applied Surface Science, 2014, 288, 98-108.	3.1	22
3801	Thiobis(hexamethyldisilazane) as a new precursor for the deposition of sulfur on gold: A one-step concerted adsorption process. Surface Science, 2014, 624, 44-51.	0.8	5
3802	Density functional theory study of the adsorption of methanthiol on Au(111): Role of gold adatoms. Physica E: Low-Dimensional Systems and Nanostructures, 2014, 59, 248-253.	1.3	9
3803	Organic thin films: From monolayers on liquids to multilayers on solids. Physics Today, 2014, 67, 43-48.	0.3	8
3804	2 Solid-Phase Microextraction and Related Techniques. , 2014, , 29-87.		1
3805	In Situ SIMS and IR Spectroscopy of Well-defined Surfaces Prepared by Soft Landing of Mass-selected Ions. Journal of Visualized Experiments, 2014, , .	0.2	2
3806	Interface electronic structures of reversible double-docking self-assembled monolayers on an Au(111) surface. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2014, 372, 20130018.	1.6	8
3807	Transparent and Superhydrophobic Co3O4 Microfiber Films. Chemistry Letters, 2014, 43, 100-101.	0.7	16
3808	Immobilization of a Redox-active Catecholato Pt(II) Complex on an Indium-doped Tin Oxide Electrode via Phosphonate Anchors. Chemistry Letters, 2014, 43, 1189-1191.	0.7	10
3809	Bifunctional Modification of Conductive Particles by Iterative Bipolar Electrodeposition of Metals. Chemistry Letters, 2014, 43, 1245-1247.	0.7	25
3810	Layer-by-layer Nanoarchitectonics: Invention, Innovation, and Evolution. Chemistry Letters, 2014, 43, 36-68.	0.7	813
3812	Electronic States and Excited Electron Dynamics for Alkanethiolate SAM. Hyomen Kagaku, 2014, 35, 432-437.	0.0	0
3815	Dependency of the Tunneling Decay Coefficient in Molecular Tunneling Junctions on the Topography of the Bottom Electrodes. Angewandte Chemie - International Edition, 2014, 53, 3377-3381.	7.2	78
3817	Micro-patterning of self-assembled organic monolayers by using tunable ultrafast laser pulses. Proceedings of SPIE, 2014, , .	0.8	0

#	Article	IF	CITATIONS
3818	Indacenodithiophene-benzothiadiazole organic field-effect transistors with gravure-printed semiconductor and dielectric on plastic. MRS Communications, 2015, 5, 599-603.	0.8	6
3819	Structure and Bonding Properties of a 20-Gold-Atom Nanocluster Studied by Theoretical X-ray Absorption Spectroscopy. Materials Research Society Symposia Proceedings, 2015, 1802, 33-39.	0.1	1
3820	Microcontact Printing of Thiols: Changing the Way Cell Attachment is Investigated. Microscopy Today, 2015, 23, 24-29.	0.2	0
3821	Long-range surface plasmon Y-junctions for referenced biosensing. Optics Express, 2015, 23, 31098.	1.7	16
3822	Characterization of orientational order in π-conjugated molecular thin films by NEXAFS. Journal of Electron Spectroscopy and Related Phenomena, 2015, 204, 102-115.	0.8	57
3823	Nanodomains of Juglonethiol on Au(111): Relationship between Domain Size and Electrochemical Properties. Journal of Physical Chemistry C, 2015, 119, 29015-29026.	1.5	4
3824	Face the Edges: Catalytic Active Sites of Nanomaterials. Advanced Science, 2015, 2, 1500085.	5.6	145
3825	Supramolecular Assemblyâ€Assisted Synthesis of Responsive Polymeric Materials with Controlled Chain Topologies. Macromolecular Chemistry and Physics, 2015, 216, 591-604.	1.1	11
3828	Bioinspiration: something for everyone. Interface Focus, 2015, 5, 20150031.	1.5	88
3829	Biosensors – Topical issue. Chemical Papers, 2015, 69, 1-3.	1.0	5
3831	Resonant transport and electrostatic effects in single-molecule electrical junctions. Physical Review B, 2015, 91, .	1.1	28
3832	Infrared Surface Plasmon Resonance. , 2015, , 163-188.		0
3833	Peeling by Nanomechanical Forces: A Route to Selective Creation of Surface Structures. Physical Review Letters, 2015, 115, 036102.	2.9	10
3834	Water-COOH Composite Structure with Enhanced Hydrophobicity Formed by Water Molecules Embedded into Carboxyl-Terminated Self-Assembled Monolayers. Physical Review Letters, 2015, 115, 186101.	2.9	40
3835	Structure Prediction by Density Functional Theory Calculations. Frontiers of Nanoscience, 2015, 9, 161-187.	0.3	0
3837	Polymer/silver hybrid thin films for anti-pathogenic bacterial applications. Surface Innovations, 2015, 3, 103-114.	1.4	8
3838	Templated Synthesis for Nanoarchitectured Porous Materials. Bulletin of the Chemical Society of Japan, 2015, 88, 1171-1200.	2.0	512
3839	Analysis of the surface density and reactivity of perfluorophenylazide and the impact on ligand immobilization. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2015, 33, 021407.	0.9	4

#	Article	IF	CITATIONS
3840	Structural and Electrochemical Properties of Self-organized HFBI Membranes on Different Types of Substrates. Electrochemistry, 2015, 83, 969-973.	0.6	1
3841	Fourier plane colorimetric sensing using broadband imaging of surface plasmons and application to biosensing. Journal of Applied Physics, 2015, 118, 233105.	1.1	7
3842	Amorphous In-Ga-Zn-O thin-film transistors fabricated by microcontact printing. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2015, 33, .	0.6	7
3843	CO ₂ wettability of caprocks: Implications for structural storage capacity and containment security. Geophysical Research Letters, 2015, 42, 9279-9284.	1.5	192
3845	Image effects in transport at metal-molecule interfaces. Journal of Chemical Physics, 2015, 143, 174106.	1.2	15
3846	Copper surface protection by organothiol self-assembled monolayers. Materials Research Society Symposia Proceedings, 2015, 1746, 20.	0.1	0
3848	Enhancing conjugation rate of antibodies to carboxylates: Numerical modeling of conjugation kinetics in microfluidic channels and characterization of chemical over-exposure in conventional protocols by quartz crystal microbalance. Biomicrofluidics, 2015, 9, 064115.	1.2	13
3849	Ligand-protected gold clusters: the structure, synthesis and applications. Russian Chemical Reviews, 2015, 84, 1114-1144.	2.5	38
3850	Surface tension of liquid mercury: a comparison of density-dependent and density-independent force fields. European Physical Journal B, 2015, 88, 1.	0.6	5
3851	Interaction of Graphene with Self Assembled Monolayers. Macromolecular Symposia, 2015, 357, 23-29.	0.4	2
3852	Rapid Thiolâ€Yneâ€Mediated Fabrication and Dual Postfunctionalization of Microâ€Resolved 3D Mesostructures. Advanced Functional Materials, 2015, 25, 3735-3744.	7.8	31
3853	Stretchable Chemical Patterns for the Assembly and Manipulation of Arrays of Microdroplets with Lensing and Micromixing Functionality. Advanced Functional Materials, 2015, 25, 5520-5528.	7.8	20
3854	Segregation Versus Colocalization: Orthogonally Functionalized Binary Micropatterned Substrates Regulate the Molecular Distribution in Focal Adhesions. Advanced Materials, 2015, 27, 3737-3747.	11.1	34
3855	Inâ€Situ Fluorescence Microscopy Study of the Interfacial Inhomogeneity of DNA Mixed Selfâ€Assembled Monolayers at Gold Electrodes. ChemElectroChem, 2015, 2, 434-442.	1.7	18
3856	Laterally Mounted Azobenzenes on Platforms. Journal of Organic Chemistry, 2015, 80, 11233-11236.	1.7	14
3857	Effects of Electrochemical Tailoring of Monolayers on a Catalytic Redox Entity: An ON–OFF Phenomenon Regulated by the Surrounding Medium. Journal of Physical Chemistry C, 2015, 119, 28276-28284.	1.5	8
3858	A combined DFT/HREELS study of the vibrational modes of terphenylthiol SAMs. European Physical Journal D, 2015, 69, 1.	0.6	5
3859	An optimized measurement chamber for cantilever array measurements in liquid incorporating an automated sample handling system. EPJ Techniques and Instrumentation, 2015, 2, .	0.5	10

#	Article	IF	CITATIONS
3860	Tailoring Cellular Uptake of Gold Nanoparticles Via the Hydrophilicâ€toâ€Hydrophobic Ratio of their (Co)polymer Coating. Advanced Functional Materials, 2015, 25, 3433-3439.	7.8	16
3861	Tuning the Tunneling Rate and Dielectric Response of SAMâ€Based Junctions via a Single Polarizable Atom. Advanced Materials, 2015, 27, 6689-6695.	11.1	34
3862	The Effects of Embedded Dipoles in Aromatic Selfâ€Assembled Monolayers. Advanced Functional Materials, 2015, 25, 3943-3957.	7.8	90
3863	Simple Multipurpose Surface Functionalization by Phase Transited Protein Adhesion. Advanced Materials Interfaces, 2015, 2, 1400401.	1.9	59
3864	Photolithographic Encoding of Metal Complexes. Chemistry - A European Journal, 2015, 21, 14728-14731.	1.7	5
3865	Intermixed Adatom and Surfaceâ€Bound Adsorbates in Regular Selfâ€Assembled Monolayers of Racemic 2â€Butanethiol on Au(111). ChemPhysChem, 2015, 16, 928-932.	1.0	18
3866	X-ray-induced degradation of OEG-terminated SAMs on silica surfaces during XPS characterization. Surface and Interface Analysis, 2015, 47, 719-722.	0.8	2
3867	Intercorrelation between Interfacial Behavior of Water and Biocompatibility. Hyomen Kagaku, 2015, 36, 424-429.	0.0	1
3868	A Thermodynamics Model for the Emergence of a Stripeâ€like Binary SAM on a Nanoparticle Surface. Small, 2015, 11, 4894-4899.	5.2	21
3869	Effects of coverage and solvent on H ₂ S adsorption on the Cu(100) surface: A DFT study. Surface and Interface Analysis, 2015, 47, 565-571.	0.8	7
3870	An Experimental and Theoretical Approach to Investigate the Effect of Chain Length on Aminothiol Adsorption and Assembly on Gold. Chemistry - A European Journal, 2015, 21, 14555-14561.	1.7	27
3871	Region‧elective Deposition of Core–Shell Nanoparticles for 3 D Hierarchical Assemblies by the Huisgen 1,3â€Dipolar Cycloaddition. Angewandte Chemie - International Edition, 2015, 54, 9235-9238.	7.2	19
3873	Polyethylene Glycol Coatings on Plastic Substrates for Chemically Defined Stem Cell Culture. Advanced Healthcare Materials, 2015, 4, 1555-1564.	3.9	23
3874	Robust Manipulation of Magnetism in Dilute Magnetic Semiconductor (Ga,Mn)As by Organic Molecules. Advanced Materials, 2015, 27, 8043-8050.	11.1	26
3877	Electronâ€Transfer Kinetics in Polymetallic Carbonâ€Rich Ruthenium(II) Bis(Ïfâ€arylacetylides) Wires Connected to Gold. ChemElectroChem, 2015, 2, 1799-1805.	1.7	8
3878	Spatially Controlled Outâ€ofâ€Equilibrium Host–Guest System under Electrochemical Control. Chemistry - A European Journal, 2015, 21, 9638-9644.	1.7	30
3879	Bismuth(III)â€Promoted Acetylation of ThioÂethers into Thioacetates. European Journal of Organic Chemistry, 2015, 2015, 4675-4688.	1.2	10
3880	Ageing of Alkylthiol-Stabilized Gold Nanoparticles. Particle and Particle Systems Characterization, 2015, 32, 458-466.	1.2	6

		CITATION RE	PORT	
#	Article		IF	CITATIONS
3881	1â€Adamantanethiol as a versatile nanografting tool. Scanning, 2015, 37, 6-16.		0.7	1
3882	CO ₂ wettability of seal and reservoir rocks and the implications for carbor geo-sequestration. Water Resources Research, 2015, 51, 729-774.		1.7	414
3884	6. Nonlinear processing and multiphoton ablation of self-assembled monolayers for appultrathin resists and in biochemical sensors. , 2015, , 117-140.	plication as		0
3885	A Tailored Self-Assembling Monolayer for Monitoring Biomarkers in Cell Culture Media liSPR System. Journal of Biochips & Tissue Chips, 2015, 05, .	Using the	0.2	0
3886	Nanostructured surfaces by supramolecular self-assembly of linear oligosilsesquioxanes biocompatible side groups. Beilstein Journal of Nanotechnology, 2015, 6, 2377-2387.	s with	1.5	10
3887	Synergic combination of the sol–gel method with dip coating for plasmonic devices. of Nanotechnology, 2015, 6, 500-507.	Beilstein Journal	1.5	3
3888	The Porter-Whitesides Discrepancy: Revisiting Odd-Even Effects in Wetting Properties on Alkanethiolate SAMs. Coatings, 2015, 5, 1034-1055.	of	1.2	30
3889	Atomic-Scale Structure Analysis by Advanced Transmission Electron Microscopy. Fronti Nanoscience, 2015, , 127-159.	ers of	0.3	8
3890	Electrochemical Characterization of Protein Adsorption onto YNGRT-Au and VLGXE-Au Sensors, 2015, 15, 19429-19442.	Surfaces.	2.1	15
3891	Enhanced Vibrational Spectroscopies as Tools for Small Molecule Biosensing. Sensors, 21239-21264.	2015, 15,	2.1	27
3892	Micropatterning strategies to engineer controlled cell and tissue architecture in vitro. BioTechniques, 2015, 58, 13-23.		0.8	70
3893	Hydrophobicity $\hat{a} \in \mathbb{C}$ A Green Technique for Enhancing Corrosion Resistance of Alloys. ,	0, , .		3
3894	Spectroscopic Evaluations of Interfacial Oxidative Stability of Phosphonic Nanocoating Magnesium. Journal of Spectroscopy, 2015, 2015, 1-8.	s on	0.6	13
3897	Original Covalent Approach for Gold Nanorods Immobilization onto Acid-Terminated-C Self-Assembled Monolayers for FT-SPR Biosensor Applications. Journal of Biosensors & 1 2015, 06, .	ysteamine Bioelectronics,	0.4	0
3900	Controlled fabrication of nanoscale gaps using stiction. , 2015, , .			2
3901	Kinetics of reactions at an interface: functionalisation of silicate glass with porphyrins v bonds. Organic and Biomolecular Chemistry, 2015, 13, 3371-3377.	via covalent	1.5	1
3902	Impact of branching on the supramolecular assembly of thioethers on Au(111). Journal Physics, 2015, 142, 101915.	of Chemical	1.2	10
3903	Tracing the 4000 year history of organic thin films: From monolayers on liquids to mult solids. Applied Physics Reviews, 2015, 2, 011101.	ilayers on	5.5	25

#	Article	IF	CITATIONS
3904	Sample-to-Answer Isolation and mRNA Profiling of Circulating Tumor Cells. Analytical Chemistry, 2015, 87, 6258-6264.	3.2	35
3905	Molecular Design for Tuning Work Functions of Transparent Conducting Electrodes. Journal of Physical Chemistry Letters, 2015, 6, 2269-2276.	2.1	30
3906	Reversible Potential-Induced Switching of Alkyl Chain Aggregation in Octyl-Triazatriangulenium Adlayers on Au(111). Langmuir, 2015, 31, 3115-3124.	1.6	7
3907	Localized dealloying corrosion mediated by self-assembled monolayers used as an inhibitor system. Faraday Discussions, 2015, 180, 191-204.	1.6	14
3908	Cell-penetrating peptides for nanomedicine – how to choose the right peptide. BioNanoMaterials, 2015, 16, .	1.4	13
3909	Surface organic chemistry for application to organic electronics. Tetrahedron Letters, 2015, 56, 3721-3731.	0.7	10
3910	Optimization of Long-Range Surface Plasmon Waveguides for Attenuation-Based Biosensing. Journal of Lightwave Technology, 2015, 33, 3234-3242.	2.7	24
3911	Modifying Spin Injection Characteristics in the Co/Alq ₃ System by Using a Molecular Self-Assembled Monolayer. Journal of Physical Chemistry C, 2015, 119, 12949-12955.	1.5	10
3912	Capturing the embryonic stages of self-assembly - design rules for molecular computation. Scientific Reports, 2015, 5, 10116.	1.6	15
3913	Impact of nanografting on the local structure of ternary self-assembled monolayers. Nano Research, 2015, 8, 2102-2114.	5.8	8
3914	Phototriggered Functionalization of Hierarchically Structured Polymer Brushes. Langmuir, 2015, 31, 5899-5907.	1.6	43
3915	Fast, Efficient, and Stable Conjugation of Multiple DNA Strands on Colloidal Quantum Dots. Bioconjugate Chemistry, 2015, 26, 1582-1589.	1.8	42
3916	Electrochemical study of nanoporous gold revealing anti-biofouling properties. RSC Advances, 2015, 5, 46501-46508.	1.7	27
3917	Plasmonic Nanostructures for Biomedical and Sensing Applications. , 2015, , 133-173.		3
3918	Molecular engineering of Schiff-base linked covalent polymers with diverse topologies by gas-solid interface reaction. Journal of Chemical Physics, 2015, 142, 101905.	1.2	30
3919	Two-dimensional sum-frequency generation (2D SFG) spectroscopy: summary of principles and its application to amyloid fiber monolayers. Faraday Discussions, 2015, 177, 493-505.	1.6	26
3920	Superhydrophobic SAM Modified Electrodes for Enhanced Current Limiting Properties in Intrinsic Conducting Polymer Surge Protection Devices. Langmuir, 2015, 31, 6253-6264.	1.6	14
3921	A highly sensitive and selective electrochemical DNA biosensor to diagnose breast cancer. Journal of Electroanalytical Chemistry, 2015, 750, 57-64.	1.9	77

#	Article	IF	CITATIONS
3922	Molecular simulations of mixed self-assembled monolayer coated gold nanoparticles in water. Journal of Molecular Modeling, 2015, 21, 149.	0.8	2
3923	Optimization of gold nanoparticle photoluminescence by alkanethiolation. Chemical Communications, 2015, 51, 7954-7957.	2.2	10
3924	Carbon Substrates: A Stable Foundation for Biomolecular Arrays. Annual Review of Analytical Chemistry, 2015, 8, 263-285.	2.8	9
3926	The measurement of the adhesion force between ceramic particles and metal matrix in ceramic reinforced-metal matrix composites. Composites Part A: Applied Science and Manufacturing, 2015, 76, 124-130.	3.8	34
3927	Thermal Stability and Molecular Ordering of Organic Semiconductor Monolayers: Effect of an Anchor Group. ChemPhysChem, 2015, 16, 1712-1718.	1.0	3
3928	The Impervious Route to Peptideâ€Based Dyeâ€Sensitized Solar Cells. Israel Journal of Chemistry, 2015, 55, 671-681.	1.0	13
3930	Nanomaterials: A Review of Their Action and Application in Pest Management and Evaluation of DNA-Tagged Particles. , 2015, , 113-126.		10
3931	Paramagnetic Nanoparticles as a Platform for FRET-Based Sarcosine Picomolar Detection. Scientific Reports, 2015, 5, 8868.	1.6	51
3932	Some insights into the chemistry of gold adsorption by thiol and amine functionalized mesoporous silica in simulated thiosulfate system. Hydrometallurgy, 2015, 156, 28-39.	1.8	41
3933	Differential reactivity of alkanethiols with Si(111)–Au 2D surface alloys. Surface Science, 2015, 632, L18-L21.	0.8	2
3934	Simultaneous enhancement of photocurrent and open circuit voltage in a ZnO based organic solar cell by mixed self-assembled monolayers. Applied Energy, 2015, 160, 681-686.	5.1	13
3935	Gold and Silver Nanoparticles for Diagnostics of Infection. , 2015, , 1-18.		3
3936	Thiol Adsorption on the Au(100)-hex and Au(100)-(1 × 1) Surfaces. Journal of Physical Chemistry C, 2015, 119, 14248-14254.	1.5	25
3937	Fabrication of inverse opal TiO2-supported Au@CdS core–shell nanoparticles for efficient photocatalytic CO2 conversion. Applied Catalysis B: Environmental, 2015, 179, 422-432.	10.8	121
3938	Optimisation of an electrochemical impedance spectroscopy aptasensor by exploiting quartz crystal microbalance with dissipation signals. Sensors and Actuators B: Chemical, 2015, 220, 369-375.	4.0	58
3939	Ultrasensitive Ultrafast Vibrational Spectroscopy Employing the Near Field of Gold Nanoantennas. Physical Review Letters, 2015, 114, 233004.	2.9	65
3940	Unified system level model of adsorption/desorption process and sensing electronics for vapor trace detection of different molecules in the air. , 2015, , .		0
3941	Photothermal healing of a glass fiber reinforced composite interface by gold nanoparticles. RSC Advances, 2015, 5, 102167-102172.	1.7	9

#	Article	IF	CITATIONS
3942	Transformable liquid-metal nanomedicine. Nature Communications, 2015, 6, 10066.	5.8	466
3943	Surface-enhanced, multi-dimensional attenuated total reflectance spectroscopy. Proceedings of SPIE, 2015, , .	0.8	12
3944	Structural Insights and the Surprisingly Low Mechanical Stability of the Au–S Bond in the Gold-Specific Protein GolB. Journal of the American Chemical Society, 2015, 137, 15358-15361.	6.6	48
3945	Polydiacetylene stabilized gold nanoparticles – extraordinary high stability and integration into a nanoelectrode device. RSC Advances, 2015, 5, 102981-102992.	1.7	7
3946	Charge Transport through Organic Molecular Wires Embedded in Ultrathin Insulating Inorganic Layer. Journal of Physical Chemistry C, 2015, 119, 28326-28334.	1.5	19
3947	Versatile Method for Coating Surfaces with Functional and Responsive Polymer-Based Films. ACS Applied Materials & Interfaces, 2015, 7, 27547-27553.	4.0	21
3948	Stabilization of 2D assemblies of silver nanoparticles by spin-coating polymers. Applied Surface Science, 2015, 357, 1587-1592.	3.1	8
3949	Modifying Thermal Transport in Colloidal Nanocrystal Solids with Surface Chemistry. ACS Nano, 2015, 9, 12079-12087.	7.3	32
3950	Ultrathin gold as sensor platform for biomolecules. , 2015, , .		0
3951	Functionalisation and immobilisation of an Au(110) surface via uracil and 2-thiouracil anchored layer. Physical Chemistry Chemical Physics, 2015, 17, 15181-15192.	1.3	9
3952	Chemical approaches for nanoscale patterning based on particle lithography with proteins and organic thin films. Nanotechnology Reviews, 2015, 4, 129-143.	2.6	11
3953	High-sensitivity and high-spatial-resolution imaging of self-assembled monolayer on platinum using radially polarized beam excited second-harmonic-generation microscopy. Applied Physics Express, 2015, 8, 112401.	1.1	7
3954	Hermetically sealed microwell with a lipid bilayer created using a self-assembled monolayer. Applied Physics Express, 2015, 8, 117201.	1.1	3
3955	S-Shaped Conformation of the Quaterthiophene Molecular Backbone in Two-Dimensional Bisterpyridine-Derivative Self-Assembled Nanoarchitecture. Langmuir, 2015, 31, 13420-13425.	1.6	14
3956	Electron Processing at 50 eV of Terphenylthiol Self-Assembled Monolayers: Contributions of Primary and Secondary Electrons. Langmuir, 2015, 31, 13528-13534.	1.6	21
3957	Self-Assembled Monolayers Generated from Unsymmetrical Partially Fluorinated Spiroalkanedithiols. Langmuir, 2015, 31, 13341-13349.	1.6	13
3958	Self-Assembled Monolayers of an Azobenzene Derivative on Silica and Their Interactions with Lysozyme. Langmuir, 2015, 31, 13543-13552.	1.6	29
3959	Structure-Building Forces in Biphenyl-Substituted Alkanethiolate Self-Assembled Monolayers on GaAs(001): The Effect of the Bending Potential. Journal of Physical Chemistry C, 2015, 119, 27401-27409.	1.5	4

		CITATION REPORT		
#	Article		IF	CITATIONS
3960	A protocol of self-assembled monolayers of fluorescent block molecules for trace Zn(<scp>ii< sensing: structures and mechanisms. RSC Advances, 2015, 5, 106061-106067.</scp>	/scp>)	1.7	11
3961	Selective capture of glycoproteins using lectin-modified nanoporous gold monolith. Journal o Chromatography A, 2015, 1423, 19-30.		1.8	22
3962	Selective Self-Assembled Monolayer to passivate organic cell stimulating and sensing transist (OCSTs). , 2015, , .	or		0
3963	Spectroscopic ellipsometry meets AFM nanolithography: about hydration of bio-inert oligo(et 28774-28781.	hylene) Tj ETQq1 1 ().784314 1.3	rgBT /Over 26
3964	DNA-based biosensors for Hg2+ determination by polythymine–methylene blue modified el Biosensors and Bioelectronics, 2015, 67, 524-531.	ectrodes.	5.3	63
3965	In vitro and in vivo characterization of antibacterial activity and biocompatibility: A study on silver-containing phosphonate monolayers on titanium. Acta Biomaterialia, 2015, 15, 266-27	7.	4.1	58
3966	New approach for natural products screening by real-time monitoring of hemoglobin hydrolys using quartz crystal microbalance. Analytica Chimica Acta, 2015, 862, 86-93.	iis	2.6	12
3967	Redox-tagged peptide for capacitive diagnostic assays. Biosensors and Bioelectronics, 2015,	68, 281-287.	5.3	37
3968	Supramolecular Architectures Incorporating Hydrogenâ€Bonding Barbiturate Receptors. Asia of Organic Chemistry, 2015, 4, 192-202.	n Journal	1.3	10
3969	Spectroelectrochemistry on electroactive self-assembled monolayers: Cyclic voltammetry cou spectrophotometry. Electrochemistry Communications, 2015, 51, 108-112.	pled to	2.3	21
3970	Oneâ€pot Synthesis and Characterization of Goldâ€nickel Bimetallic Nanorods. Journal of the Chemical Society, 2015, 62, 227-233.	Chinese	0.8	0
3971	Molecular Assembly of Schiff Base Interactions: Construction and Application. Chemical Revie 2015, 115, 1597-1621.	ews,	23.0	392
3972	Condensation heat transfer coefficient versus wettability. Applied Surface Science, 2015, 338	3, 15-21.	3.1	15
3973	Ratiometric glyco-probe for transient determination of thiophenol in full aqueous solution an water. Dyes and Pigments, 2015, 116, 52-57.	d river	2.0	45
3974	Short chain molecular junctions: Charge transport versus dipole moment. Applied Surface Sci 2015, 332, 181-185.	ence,	3.1	4
3975	Metal–Inorganic–Organic Matrices as Efficient Sorbents for Hydrogen Storage. ChemSus 8, 800-803.	Chem, 2015,	3.6	33
3976	Investigation of the deposition and thermal behavior of striped phases of unsymmetric disulfi self-assembled monolayers on Au(111): The case of 11-hydroxyundecyl decyl disulfide. Journa Chemical Physics, 2015, 142, 014703.		1.2	6
3977	Hierarchical Striped Walls Constructed by the Photopolymerization of Discotic Reactive Build Blocks in the Anisotropic Liquid Crystal Solvents. Macromolecules, 2015, 48, 898-907.	ing	2.2	27

		CITATION REPORT		
#	Article		IF	CITATIONS
3978	Tridentate benzylthiols on Au(111): control of self-assembly geometry. Nanoscale, 201	5, 7, 5014-5022.	2.8	7
3979	Thin Film Nanoarchitectonics. Journal of Inorganic and Organometallic Polymers and M 25, 466-479.	aterials, 2015,	1.9	46
3980	Electrowetting of Nitro-Functionalized Oligoarylene Thiols Self-Assembled on Polycryst ACS Applied Materials & Interfaces, 2015, 7, 3902-3909.	alline Gold.	4.0	8
3981	Surface modifications of gold nanorods for applications in nanomedicine. RSC Advance 21681-21699.	s, 2015, 5,	1.7	64
3982	Quantitative Analysis of Thiolated Ligand Exchange on Gold Nanoparticles Monitored b ¹ H NMR Spectroscopy. Analytical Chemistry, 2015, 87, 2771-2778.	у	3.2	127
3983	Quantum size effect in ultrathin Au films on the Si(111) surface. Applied Surface Science 512-518.	ce, 2015, 331,	3.1	8
3984	Controlled Formation of Nanostructures with Desired Geometries: Part 3. Dynamic Mod Simulation of Directed Self-Assembly of Nanoparticles through Adaptive Finite State Pr Industrial & Engineering Chemistry Research, 2015, 54, 4371-4384.		1.8	9
3985	Revisiting Structural Models for Au18(SR)14. Journal of Physical Chemistry C, 2015, , 1	50127073220004.	1.5	9
3986	Introduction to Microelectrode Arrays, the Site-Selective Functionalization of Electrode and the Real-Time Detection of Binding Events. Langmuir, 2015, 31, 7697-7706.	Surfaces,	1.6	22
3987	Surface plasmon resonance for detecting clenbuterol: Influence of monolayer structure Surface Science, 2015, 332, 229-236.	2. Applied	3.1	13
3988	Two Methods for One-Point Anchoring of a Linear Polysaccharide on a Gold Surface. La 31, 254-261.	ngmuir, 2015,	1.6	13
3989	Departure of Condensation Droplets on Superhydrophobic Surfaces. Langmuir, 2015, 3	31, 2414-2420.	1.6	100
3990	Position and Orientation Control of a Photo- and Electrochromic Dithienylethene Using Anchor on Gold Surfaces. Journal of Physical Chemistry C, 2015, 119, 3648-3657.	; a Tripodal	1.5	22
3991	Adsorption of Anionic Thiols on Silver Nanoparticles. Journal of Physical Chemistry C, 20 5454-5461.	015, 119,	1.5	25
3992	Plain Silver Surface Plasmon Resonance for Microarray Application. Analytical Chemistr 1466-1469.	y, 2015, 87,	3.2	45
3993	Influence of Surface Structure on Single or Mixed Component Self-Assembled Monolay Spectroelectrochemical Fluorescence Imaging of the Complete Stereographic Triangle Crystal Au Bead Electrode. Journal of the American Chemical Society, 2015, 137, 276-2	on a Single	6.6	40
3994	Room Temperature Atomic Layer-like Deposition of ZnO on Functionalized Self-Assemb Journal of Physical Chemistry C, 2015, 119, 1091-1100.	iled Monolayers.	1.5	16
3995	Structure of Mixed Self-Assembled Monolayers on Gold Nanoparticles at Three Differen Arrangements. Journal of Physical Chemistry C, 2015, 119, 3199-3209.	t	1.5	28

#	Article	IF	CITATIONS
3996	Tailoring the Properties of Surface-Immobilized Azobenzenes by Monolayer Dilution and Surface Curvature. Langmuir, 2015, 31, 1048-1057.	1.6	71
3997	Defect Scaling with Contact Area in EGaln-Based Junctions: Impact on Quality, Joule Heating, and Apparent Injection Current. Journal of Physical Chemistry C, 2015, 119, 960-969.	1.5	56
3998	Photopatterning of Stable, Low-Density, Self-Assembled Monolayers on Gold. Langmuir, 2015, 31, 2689-2696.	1.6	8
3999	The Influence of Thiolate Readsorption on the Quality of Mixed Monolayers Formed through an Electrochemcial Method. Langmuir, 2015, 31, 2157-2166.	1.6	4
4000	Boc-Protected ω-Amino Alkanedithiols Provide Chemically and Thermally Stable Amine-Terminated Monolayers on Gold. Langmuir, 2015, 31, 2136-2146.	1.6	23
4001	Structure of Aqueous Water Films on Textured â^'OH-Terminated Self-Assembled Monolayers. Langmuir, 2015, 31, 2382-2389.	1.6	8
4002	Electrochemical Behavior of Cytochrome C as a Self-Assembled Monolayer on a Porous Gold Electrode. Analytical Letters, 2015, 48, 982-995.	1.0	2
4003	Synthesis of a 2,4,6,8,10-dodecapentanoic acid thioester as a substrate for biosynthesis of heat stable antifungal factor (HSAF). RSC Advances, 2015, 5, 11644-11648.	1.7	7
4004	Reversible Control of Nanoparticle Functionalization and Physicochemical Properties by Dynamic Covalent Exchange. Angewandte Chemie, 2015, 127, 4261-4265.	1.6	14
4005	Stability and Catalytic Activity of PEG- <i>b</i> -PS-Capped Gold Nanoparticles: A Matter of PS Chain Length. Journal of Physical Chemistry C, 2015, 119, 1960-1970.	1.5	60
4006	Strong Resistance of Citrate Anions on Metal Nanoparticles to Desorption under Thiol Functionalization. ACS Nano, 2015, 9, 1665-1682.	7.3	154
4007	Conductance Switching and Organization of Two Structurally Related Molecular Wires on Gold. Langmuir, 2015, 31, 953-958.	1.6	4
4008	Direct and quantitative AFM measurements of the concentration and temperature dependence of the hydrophobic force law at nanoscopic contacts. Journal of Colloid and Interface Science, 2015, 446, 244-251.	5.0	50
4009	Nanoparticle mediated micromotor motion. Nanoscale, 2015, 7, 4949-4955.	2.8	18
4010	Gold nanoparticles as contrast agents in x-ray imaging and computed tomography. Nanomedicine, 2015, 10, 321-341.	1.7	273
4011	Glycoprofiling of cancer biomarkers: Label-free electrochemical lectin-based biosensors. Open Chemistry, 2015, 13, 636-655.	1.0	48
4012	DNA Bases Assembled on the Au(110)/Electrolyte Interface: A Combined Experimental and Theoretical Study. Journal of Physical Chemistry B, 2015, 119, 3123-3134.	1.2	8
4013	ALKYL CHAIN DEPENDENT ALKANETHIOL SELF-ASSEMBLED ADSORPTION DYNAMICS. Surface Review and Letters, 2015, 22, 1550004.	0.5	3

# 4014	ARTICLE Dielectric Barrier, Etch Stop, and Metal Capping Materials for State of the Art and beyond Metal Interconnects. ECS Journal of Solid State Science and Technology, 2015, 4, N3029-N3047.	IF 0.9	CITATIONS
4015	Ni(II)NTA AuNPs as a low-resource malarial diagnostic platform for the rapid colorimetric detection of Plasmodium falciparum Histidine-Rich Protein-2. Talanta, 2015, 135, 94-101.	2.9	10
4016	The role of dispersion forces in metal-supported self-assembled monolayers. Computational and Theoretical Chemistry, 2015, 1053, 322-327.	1.1	12
4017	Electroactive self-assembled monolayers: A versatile function to fit symmetric voltammetric peak. Electrochemistry Communications, 2015, 51, 137-143.	2.3	11
4018	Advances in multifunctional glycosylated nanomaterials: preparation and applications in glycoscience. Carbohydrate Research, 2015, 405, 2-12.	1.1	37
4019	Reversible Control of Nanoparticle Functionalization and Physicochemical Properties by Dynamic Covalent Exchange. Angewandte Chemie - International Edition, 2015, 54, 4187-4191.	7.2	56
4020	Computational Matching of Surface Plasmon Resonance: Interactions between Silver Nanoparticles and Ligands. Journal of Physical Chemistry C, 2015, 119, 11094-11099.	1.5	19
4021	Large stability and high catalytic activities of sub-nm metal (0) clusters: Implications into the nucleation and growth theory. Journal of Colloid and Interface Science, 2015, 449, 279-285.	5.0	12
4022	Oscillations in the Stability of Consecutive Chemical Bonds Revealed by Ionâ€Induced Desorption. Angewandte Chemie - International Edition, 2015, 54, 1336-1340.	7.2	17
4023	A novel methionine/palladium nanoparticle modified carbon paste electrode for simultaneous determination of three antiparkinson drugs. RSC Advances, 2015, 5, 14187-14195.	1.7	32
4024	Designing multilayered nanoplatforms for SERS-based detection of genetically modified organisms. Journal of Nanoparticle Research, 2015, 17, 1.	0.8	11
4025	Functionalization of gold mercaptopropionic acid self-assembled monolayer with 5-amino-1,10-phenanthroline: Interaction with iron(II) and application for selective recognition of guanine. Electrochimica Acta, 2015, 164, 344-352.	2.6	13
4026	Analysis of alkanethiolates on gold with matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Journal of the Korean Society for Applied Biological Chemistry, 2015, 58, 1-8.	0.9	13
4027	Amino-terminated biphenylthiol self-assembled monolayers as highly reactive molecular templates. Journal of Chemical Physics, 2015, 142, 101919.	1.2	13
4028	Competitive Adsorption of Monoclonal Antibodies and Nonionic Surfactants at Solid Hydrophobic Surfaces. Journal of Pharmaceutical Sciences, 2015, 104, 593-601.	1.6	37
4029	Antifouling property of monothiol-terminated bottle-brush poly(methylacrylic) Tj ETQq1 1 0.784314 rgBT /Overlo 2015, 3, 1921-1930.	ck 10 Tf 5 2.9	0 147 Td (a 45
4030	Molecular Nanomagnets and Related Phenomena. Structure and Bonding, 2015, , .	1.0	96
4031	Synthesis, self-assembly and characterization of a novel push–pull thiophene-based chromophore on a gold surface. RSC Advances, 2015, 5, 26308-26315.	1.7	7

CITATION REPORT IF CITATIONS Exploitation of desilylation chemistry in tailor-made functionalization on diverse surfaces. Nature 5.8 29 Communications, 2015, 6, 6403. Simple preparation of positively charged silver nanoparticles for detection of anions by 1.7 48 surface-enhanced Raman spectroscopy. Analyst, The, 2015, 140, 2988-2994. Targeted gold nanoshells., 2015, , 267-290. 5 Overcoming metal-induced fluorescence quenching on plasmo-photonic metasurfaces coated by a self-assembled monolayer. Chemical Communications, 2015, 51, 11470-11473. Probing the nature and resistance of the molecule–electrode contact in SAM-based junctions. 2.8 28 Nanoscale, 2015, 7, 12061-12067. Synthesis of tripodal catecholates and their immobilization on zinc oxide nanoparticles. Beilstein 1.3 Journal of Organic Chemistry, 2015, 11, 678-686. Mechanistic details of energy transfer and soft landing in ala₂-H⁺ collisions 1.3 8 with a F-SAM surface. Physical Chemistry Chemical Physics, 2015, 17, 24576-24586. A study of the underpotential deposition of copper on cetyltrimethylammonium halides covering gold 1.5 nanopárticle thin films. Journal of Applied Electrochemistrý, 2015, 45, 1133-1139. Evaluating the Internal Structure of Coreâ€"Shell Nanoparticles Using X-ray Photoelectron Intensities and Simulated Spectra. Journal of Physical Chemistry C, 2015, 119, 17687-17696. 1.5 41 Electronic-State Changes of Ferrocene-Terminated Self-Assembled Monolayers Induced by Molecularly Thin Ionic Liquid Layers: A Combined Atomic Force Microscopy, X-ray Photoelectron Spectroscopy, and 1.5

	Ultraviolet Photoelectron Spectroscopy Study. Journal of Physical Chemistry C, 2015, 119, 18467-18480.		
4042	Microfabrication for a polystyrene quadrupole by template-assisted self-assembly. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 484, 75-80.	2.3	2
4043	The Origin of the Odd–Even Effect in the Tunneling Rates across EGaIn Junctions with Self-Assembled Monolayers (SAMs) of <i>n</i> -Alkanethiolates. Journal of the American Chemical Society, 2015, 137, 10659-10667.	6.6	63
4044	Kinetics behavior of long-chain n-alkanethiols adsorbed on copper surface. Applied Surface Science, 2015, 353, 979-985.	3.1	5
4045	Antimicrobial behavior of novel surfaces generated by electrophoretic deposition and breakdown anodization. Colloids and Surfaces B: Biointerfaces, 2015, 134, 204-212.	2.5	8
4046	Formation Mechanism of Metal–Molecule–Metal Junctions: Molecule-Assisted Migration on Metal Defects. Journal of Physical Chemistry C, 2015, 119, 19438-19451.	1.5	14
4047	Adsorption mechanisms of l-Glutathione on Au and controlled nano-patterning through Dip Pen Nanolithography. Materials Science and Engineering C, 2015, 57, 171-180.	3.8	23
4048	A systematic DFT study of substrate reconstruction effects due to thiolate and selenolate adsorption. Surface Science, 2015, 640, 18-24.	0.8	15
4049	Metal–organic coordinated multilayer film formation: Quantitative analysis of composition and structure. This Solid Films, 2015, 590, 103-110	0.8	4

ARTICLE

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#	ARTICLE One Carbon Matters: The Origin and Reversal of Odd–Even Effects in Molecular Diodes with	IF	CITATIONS
4050	Self-Assembled Monolayers of Ferrocenyl-Alkanethiolates. Journal of Physical Chemistry C, 2015, 119, 17910-17919.	1.5	66
4051	Characterizing the Spatial Dependence of Redox Chemistry on Plasmonic Nanoparticle Electrodes Using Correlated Super-Resolution Surface-Enhanced Raman Scattering Imaging and Electron Microscopy. Journal of Physical Chemistry C, 2015, 119, 18591-18601.	1.5	43
4052	Spontaneous assembly of silylethane-thiol derivatives on Au(111): a chemically robust thiol protecting group as the precursor for the direct formation of aromatic gold thiolate monolayers. Chemical Communications, 2015, 51, 7622-7625.	2.2	5
4053	In vitro study of a pH-sensitive multifunctional doxorubicin–gold nanoparticle system: therapeutic effect and surface enhanced Raman scattering. RSC Advances, 2015, 5, 65651-65659.	1.7	43
4054	Design of an integrated sensor system for the detection of traces of different molecules in the air. , 2015, , .		0
4055	Cyclic voltammetric studies of carbohydrate–protein interactions on gold surface. Electrochemistry Communications, 2015, 58, 69-72.	2.3	7
4056	Efficient Two-Photon Fluorescent Probe with Red Emission for Imaging of Thiophenols in Living Cells and Tissues. Analytical Chemistry, 2015, 87, 8896-8903.	3.2	113
4057	Hydrogen Abstraction Probability in Reactions of Gas-Phase NO ₃ with an OH-Functionalized Organic Surface. Journal of Physical Chemistry C, 2015, 119, 14742-14747.	1.5	4
4058	Nanopatterning on H-Terminated Si(111) Explained as Dynamic Equilibrium of the Chemical Reaction with Methanol. Journal of Physical Chemistry C, 2015, 119, 16947-16953.	1.5	10
4059	Structural Influences on the Fast Dynamics of Alkylsiloxane Monolayers on SiO ₂ Surfaces Measured with 2D IR Spectroscopy. Journal of Physical Chemistry C, 2015, 119, 16811-16823.	1.5	19
4060	Limits to the Effect of Substrate Roughness or Smoothness on the Odd–Even Effect in Wetting Properties of <i>n</i> -Alkanethiolate Monolayers. Langmuir, 2015, 31, 7047-7054.	1.6	30
4061	Mechanism of Orientation-Dependent Asymmetric Charge Transport in Tunneling Junctions Comprising Photosystem I. Journal of the American Chemical Society, 2015, 137, 8419-8427.	6.6	64
4062	Quantitative analysis of the relationship between the dispersion stability of mixed-surfactant Ag nanoparticles and their composition. RSC Advances, 2015, 5, 40135-40140.	1.7	0
4063	The critical importance of gap modes in surface enhanced Raman scattering. Faraday Discussions, 2015, 178, 203-220.	1.6	19
4064	Charge carrier mobilities in organic semiconductors: crystal engineering and the importance of molecular contacts. Physical Chemistry Chemical Physics, 2015, 17, 21988-21996.	1.3	25
4065	Functionalized Solid Electrodes for Electrochemical Biosensing of Purine Nucleobases and Their Analogues: A Review. Sensors, 2015, 15, 1564-1600.	2.1	46
4066	Theoretical study of the thermally induced structural fluctuations in sub-nanometre size gold clusters. European Physical Journal D, 2015, 69, 1.	0.6	6
4067	Structural Investigations of Self-Assembled Monolayers for Organic Electronics: Results from X-ray Reflectivity. Accounts of Chemical Research, 2015, 48, 1901-1908.	7.6	66

#	Article	IF	CITATIONS
4068	In-Depth Electrochemical Investigation of Surface Attachment Chemistry via Carbodiimide Coupling. Langmuir, 2015, 31, 8033-8041.	1.6	24
4069	Electron transfer with self-assembled copper ions at Au-deposited biomimetic films: mechanistic â€~anomalies' disclosed by temperature- and pressure-assisted fast-scan voltammetry. Journal Physics D: Applied Physics, 2015, 48, 255402.	1.3	5
4070	Self-Assembled <i>p</i> -Carborane Analogue of <i>p</i> -Mercaptobenzoic Acid on Au{111}. Chemistry of Materials, 2015, 27, 5425-5435.	3.2	23
4071	Temperature-Dependent Permeability of the Ligand Shell of PbS Quantum Dots Probed by Electron Transfer to Benzoquinone. Journal of Physical Chemistry Letters, 2015, 6, 2841-2846.	2.1	22
4072	A fluorescent probe for benzenethiols and its application on test paper, in water samples and living cells. Journal of Materials Chemistry C, 2015, 3, 8248-8254.	2.7	42
4073	Amphiphilic Macromolecule Self-Assembled Monolayers Suppress Smooth Muscle Cell Proliferation. Bioconjugate Chemistry, 2015, 26, 1359-1369.	1.8	60
4074	Evaluation of Factors To Determine Platelet Compatibility by Using Self-Assembled Monolayers with a Chemical Gradient. Langmuir, 2015, 31, 7100-7105.	1.6	26
4075	Fast Electron Transfer Exchange at Self-Assembled Monolayers of Organometallic Ruthenium(II) Ïf-Arylacetylide Complexes. Langmuir, 2015, 31, 7138-7147.	1.6	14
4076	DNA aptamer-based detection of prostate cancer. Chemical Papers, 2015, 69, .	1.0	41
4077	Surface enhanced vibrational spectroscopic evidence for an alternative DNA-independent redox activation of endonuclease III. Chemical Communications, 2015, 51, 3255-3257.	2.2	17
4078	Concave Rhombic Dodecahedral Au Nanocatalyst with Multiple High-Index Facets for CO ₂ Reduction. ACS Nano, 2015, 9, 8384-8393.	7.3	242
4079	Charge Transfer at Hybrid Interfaces: Plasmonics of Aromatic Thiol-Capped Gold Nanoparticles. ACS Nano, 2015, 9, 7572-7582.	7.3	67
4080	Structures and Conformations of Alkanedithiols on Gold and Silver Nanoparticles in Water. Journal of Physical Chemistry C, 2015, 119, 18414-18421.	1.5	10
4081	A colorimetric and near-infrared fluorescent turn-on probe for in vitro and in vivo detection of thiophenols. Analytical Methods, 2015, 7, 7534-7539.	1.3	39
4082	Hybrid van der Waals heterostructures of zero-dimensional and two-dimensional materials. Nanoscale, 2015, 7, 13393-13397.	2.8	24
4083	Click functionalization of phenyl-capped bithiophene on azide-terminated self-assembled monolayers. Applied Surface Science, 2015, 355, 213-217.	3.1	2
4084	Adsorption phenomena of cubane-type tetranuclear Ni(II) complexes with neutral, thioether-functionalized ligands on Au(111). Surface Science, 2015, 641, 210-215.	0.8	13
4085	Transitions in Discrete Absorption Bands of Au ₁₃₀ Clusters upon Stepwise Charging by Spectroelectrochemistry. ACS Nano, 2015, 9, 8344-8351.	7.3	24

ARTICLE IF CITATIONS Self-assembly of catecholic ferrocene and electrochemical behavior of its monolayer. RSC Advances, 4086 1.7 10 2015, 5, 60090-60095. Can glycoprofiling be helpful in detecting prostate cancer?. Chemical Papers, 2015, 69, 90-111. 4087 1.0 Electrochemical immobilization of redox active molecule based ionic liquid. Electrochemistry 4088 2.310 Communications, 2015, 58, 65-68. Controlling Motion at the Nanoscale: Rise of the Molecular Machines. ACS Nano, 2015, 9, 7746-7768. 4089 385 Self-assembly of Organic Molecules on Insulating Surfaces. Nanoscience and Technology, 2015, , 4090 1.55 147-171. Mechanistic Influence of Nanometer Length-Scale Surface Chemistry on DNA Hybridization. ACS Nano, 4091 7.3 2015, 9, 7466-7478. Spontaneous formation of mono-n-butyl phosphate and mono-n-hexyl phosphate thin films on the iron 4092 surface in aqueous solution and their corrosion protection property. RSC Advances, 2015, 5, 1.7 7 54420-54432. A reliable self-assembled peptide based electrochemical biosensor for detection of caspase 3 activity 1.7 and apoptosis. RSC Advances, 2015, 5, 58316-58326. In Situ Synthesis of Monodisperse Silver Nanoparticles on Sulfhydryl-Functionalized Poly(glycidyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4094 1.8 66 Chemistry Research, 2015, 54, 6480-6488. Electrochemical Control of Rapid Bioorthogonal Tetrazine Ligations for Selective Functionalization 4095 6.6 38 of Microelectrodes. Journal of the American Chemical Society, 2015, 137, 8876-8879. Thiolate-Bonded Self-Assembled Monolayers on Ni(111): Bonding Strength, Structure, and Stability. 4096 21 1.5 Journal of Physical Chemistry C, 2015, 119, 15455-15468. Directed Assembly and Self-organization of Metal Nanoparticles in Two and Three Dimensions. 1.5 Nanoscience and Technology, 2015, , 289-336. Study of sulfur adlayers on Au(1 1 1) from basic hydrolysis of piperazine bis(dithiocarbamate) sodium 4098 3.1 7 salt. Applied Surface Science, 2015, 345, 394-399. Odd–Even Effects in Charge Transport through Self-Assembled Monolayer of Alkanethiolates. Journal of Physical Chemistry C, 2015, 119, 5657-5662. 4099 1.5 29 4100 Covalent Attachment of 1-Alkenes to Oxidized Platinum Surfaces. Langmuir, 2015, 31, 2714-2721. 1.6 3 Grain Structures and Boundaries on Microcrystalline Copper Covered with an Octadecanethiol Monolayer Revealed by Sum Frequency Generation Microscopy. Journal of Physical Chemistry Letters, 23 2015, 6, 1454-1460. Electronic Properties of Biphenylthiolates on Au(111): The Impact of Coverage Revisited. Journal of 4102 1.520 Physical Chemistry C, 2015, 119, 7817-7825. Site-specific nanopatterning of functional metallic and molecular arbitrary features in nanofluidic 3.1 28 channels. Lab on A Chip, 2015, 15, 1989-1993.

CITAT	LON.	DEDC	NDT
CITAT		KEPC	ואנ

#	Article	IF	CITATIONS
4104	The effect of ionic strength on oil adhesion in sandstone – the search for the low salinity mechanism. Scientific Reports, 2015, 5, 9933.	1.6	110
4105	Plasmon waveguide resonance for sensing glycan–lectin interactions. Analytica Chimica Acta, 2015, 873, 71-79.	2.6	15
4106	Self-Assembled Monolayers on a Ferromagnetic Permalloy Surface. Langmuir, 2015, 31, 5311-5318.	1.6	7
4107	Vibrational Mismatch of Metal Leads Controls Thermal Conductance of Self-Assembled Monolayer Junctions. Nano Letters, 2015, 15, 2985-2991.	4.5	104
4108	Engineering Synergy: Energy and Mass Transport in Hybrid Nanomaterials. Advanced Materials, 2015, 27, 5744-5752.	11.1	36
4109	Self-Assembled Monolayers Get Their Final Finish via a Quasi-Langmuir–Blodgett Transfer. Langmuir, 2015, 31, 4678-4685.	1.6	16
4110	Label and Label-Free Detection Techniques for Protein Microarrays. Microarrays (Basel, Switzerland), 2015, 4, 228-244.	1.4	148
4111	Real time acoustic profiling of a live cancerous cell monolayer using QCM. Sensors and Actuators B: Chemical, 2015, 215, 373-381.	4.0	8
4112	Dynamics of laser excited colloidal gold nanoparticles functionalized with cysteine derivatives. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 162, 207-212.	1.1	10
4113	Surface functionalisation of carbon for low cost fabrication of highly stable electrochemical DNA sensors. Biosensors and Bioelectronics, 2015, 71, 25-29.	5.3	4
4114	Defect-Tolerant Aligned Dipoles within Two-Dimensional Plastic Lattices. ACS Nano, 2015, 9, 4734-4742.	7.3	30
4115	Engineered self-assembling monolayers for label free detection of influenza nucleoprotein. Biomedical Microdevices, 2015, 17, 9951.	1.4	17
4116	Chimeric Peptides as Implant Functionalization Agents for Titanium Alloy Implants with Antimicrobial Properties. Jom, 2015, 67, 754-766.	0.9	62
4117	Lightâ€Induced Switching of Tunable Singleâ€Molecule Junctions. Advanced Science, 2015, 2, 1500017.	5.6	48
4118	Synthesis and evaluation of simple molecule as a co-adsorbent dye for highly efficient co-sensitized solar cells. Dyes and Pigments, 2015, 120, 85-92.	2.0	16
4119	Measuring binding kinetics of aromatic thiolated molecules with nanoparticles via surface-enhanced Raman spectroscopy. Nanoscale, 2015, 7, 8766-8775.	2.8	30
4120	Anti-fouling Coatings of Poly(dimethylsiloxane) Devices for Biological and Biomedical Applications. Journal of Medical and Biological Engineering, 2015, 35, 143-155.	1.0	332
4121	Desorption of octanethiol from gold electrode surface during its electrochemical cleaning. Russian Journal of Electrochemistry, 2015, 51, 287-293.	0.3	6

#	Article	IF	CITATIONS
4122	Glyconanotechnology and Disease: Gold Nanoparticles Coated with Glycosides as Multivalent Systems for Potential Applications in Diagnostics and Therapy. RSC Drug Discovery Series, 2015, , 89-131.	0.2	2
4123	Nanostructured and spiky gold in biomolecule detection: improving binding efficiencies and enhancing optical signals. RSC Advances, 2015, 5, 16461-16475.	1.7	12
4124	Rapid and Selective Luminescence Response to Aromatic Thiols with a Simple Mononuclear Iridium(III) Complex. Chemistry Letters, 2015, 44, 636-638.	0.7	7
4125	One-Step Formation of Bifunctionnal Aryl/Alkyl Grafted Films on Conducting Surfaces by the Reduction of Diazonium Salts in the Presence of Alkyl Iodides. Langmuir, 2015, 31, 5406-5415.	1.6	16
4126	Fabrication of a Flexible Amperometric Glucose Sensor Using Additive Processes. ECS Journal of Solid State Science and Technology, 2015, 4, P3069-P3074.	0.9	25
4127	Synthesis and characterization of cell-microenvironment-sensitive leakage-free gold-shell nanoparticles with the template of interlayer-crosslinked micelles. Chemical Communications, 2015, 51, 9682-9685.	2.2	13
4128	Stepwise assembly of a cross-linked free-standing nanoparticle sheet with controllable shape. Nanoscale, 2015, 7, 11033-11039.	2.8	12
4129	Hybrid nanostructures for SERS: materials development and chemical detection. Physical Chemistry Chemical Physics, 2015, 17, 21046-21071.	1.3	155
4130	Directed self-assembly of gold nanoparticles into plasmonic chains. Soft Matter, 2015, 11, 4562-4571.	1.2	49
4131	Solid-binding peptides: smart tools for nanobiotechnology. Trends in Biotechnology, 2015, 33, 259-268.	4.9	148
4132	Gold nanoparticles decorated on a graphene-periodic mesoporous silica sandwich nanocomposite as a highly efficient and recyclable heterogeneous catalyst for catalytic applications. RSC Advances, 2015, 5, 33423-33431.	1.7	28
4133	Iridium-mediated C–S bond activation and transformation: organoiridium(<scp>iii</scp>) thioether, thiolato, sulfinato and thiyl radical compounds. Synthesis, mechanistic, spectral, electrochemical and theoretical aspects. Dalton Transactions, 2015, 44, 8625-8639.	1.6	23
4134	Gold Nanocube–Nanosphere Dimers: Preparation, Plasmon Coupling, and Surface-Enhanced Raman Scattering. Journal of Physical Chemistry C, 2015, 119, 7873-7882.	1.5	76
4135	Corrosion Inhibition of Two Brass Alloys by Octadecanethiol in Humidified Air with Formic Acid. Corrosion, 2015, 71, 908-917.	0.5	6
4136	Dithiol-based modification of poly(dopamine): enabling protein resistance via short-chain ethylene oxide oligomers. Chemical Communications, 2015, 51, 6591-6594.	2.2	19
4137	Nanobiosensors and Nanobioanalyses: A Review. , 2015, , 3-20.		4
4138	Bio-functional nano-coatings on metallic biomaterials. Materials Science and Engineering C, 2015, 55, 227-251.	3.8	100
4139	Nanoparticle-coated micro-optofluidic ring resonator as a detector for microscale gas chromatographic vapor analysis. Nanoscale, 2015, 7, 9282-9289.	2.8	34

#	Article	IF	CITATIONS
	Facile synthesis of an IRMOF-3 membrane on porous Al2O3 substrate via a sonochemical route.		
4140	Microporous and Mesoporous Materials, 2015, 213, 161-168.	2.2	23
4141	In Situ Mapping of the Molecular Arrangement of Amphiphilic Dye Molecules at the TiO ₂ Surface of Dye-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2015, 7, 10834-10842.	4.0	30
4142	Role of Flagella in Adhesion of <i>Escherichia coli</i> to Abiotic Surfaces. Langmuir, 2015, 31, 6137-6144.	1.6	96
4143	Unimolecular Electronics. Chemical Reviews, 2015, 115, 5056-5115.	23.0	416
4144	Phospholipid/Aromatic Thiol Hybrid Bilayers. Langmuir, 2015, 31, 5228-5234.	1.6	11
4145	Mesophase in a Thiolate-Containing Diacyl Phospholipid Self-Assembled Monolayer. Langmuir, 2015, 31, 3232-3241.	1.6	9
4146	Ag nanowires as precursors to synthesize Ag–ZnO nanostructured brushes. RSC Advances, 2015, 5, 42568-42571.	1.7	5
4147	Self-Assembled Monolayer-Assisted Negative Lithography. Langmuir, 2015, 31, 2922-2930.	1.6	16
4148	Surface Confined Retro Diels–Alder Reaction Driven by the Swelling of Weak Polyelectrolytes. ACS Applied Materials & Interfaces, 2015, 7, 6254-6259.	4.0	25
4149	Using Thiol Adsorption on Supported Au Nanoparticle Catalysts To Evaluate Au Dispersion and the Number of Active Sites for Benzyl Alcohol Oxidation. ACS Catalysis, 2015, 5, 2232-2241.	5.5	34
4150	Argon ion irradiation induced morphological instability of bare and thiol-functionalized Au(111) surfaces. Physical Chemistry Chemical Physics, 2015, 17, 10838-10848.	1.3	0
4151	Demonstrating Photoluminescence from Au is Electronic Inelastic Light Scattering of a Plasmonic Metal: The Origin of SERS Backgrounds. Nano Letters, 2015, 15, 2600-2604.	4.5	183
4152	Accelerating the design of multi-component nanocomposite imprinted membranes by integrating a versatile metal–organic methodology with a mussel-inspired secondary reaction platform. Green Chemistry, 2015, 17, 3338-3349.	4.6	56
4153	Amperometric sensing. A melting pot for material, electrochemical, and analytical sciences. Electrochimica Acta, 2015, 179, 350-363.	2.6	23
4154	Ï€-Conjugated bis(terpyridine)metal complex molecular wires. Chemical Society Reviews, 2015, 44, 7698-7714.	18.7	133
4155	Membrane Surface-Enhanced Raman Spectroscopy for Sensitive Detection of Molecular Behavior of Lipid Assemblies. Analytical Chemistry, 2015, 87, 4772-4780.	3.2	38
4156	A luminescent double helical gold(<scp>i</scp>)–thiophenolate coordination polymer obtained by hydrothermal synthesis or by thermal solid-state amorphous-to-crystalline isomerization. Journal of Materials Chemistry C, 2015, 3, 4115-4125.	2.7	44
4157	Surface modification of silica-coated gadolinium oxide nanoparticles with zinc tetracarboxyphenoxy phthalocyanine for the photodegradation of Orange G. Journal of Molecular Catalysis A, 2015, 403, 64-76.	4.8	23

#	Article	IF	CITATIONS
4158	Thiolate <i>versus</i> Selenolate: Structure, Stability, and Charge Transfer Properties. ACS Nano, 2015, 9, 4508-4526.	7.3	69
4159	Aminoâ€Acidâ€Based Chiral Nanoparticles for Enantioselective Crystallization. Advanced Materials, 2015, 27, 2728-2732.	11.1	94
4160	High-throughput patterning of photonic structures with tunable periodicity. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5309-5313.	3.3	9
4161	Magnetic Nanoparticles and Intracellular Delivery of Biopolymers. Neuroscience and Behavioral Physiology, 2015, 45, 920-929.	0.2	1
4162	Change of cobalt magnetic anisotropy and spin polarization with alkanethiolates self-assembled monolayers. New Journal of Physics, 2015, 17, 063022.	1.2	15
4163	Ceramics and ceramic coatings in orthopaedics. Journal of the European Ceramic Society, 2015, 35, 4327-4369.	2.8	167
4164	Holey Graphene as a Weed Barrier for Molecules. ACS Nano, 2015, 9, 10909-10915.	7.3	30
4165	Fabrication of ultra-flat silver surfaces with sub-micro-meter scale grains. Thin Solid Films, 2015, 593, 26-39.	0.8	18
4166	Enhanced Performance and Stability of Semitransparent Perovskite Solar Cells Using Solution-Processed Thiol-Functionalized Cationic Surfactant as Cathode Buffer Layer. Chemistry of Materials, 2015, 27, 7119-7127.	3.2	78
4167	Controlling Nanostructures by Templated Templates: Inheriting Molecular Orientation in Binary Heterostructures. ACS Applied Materials & Interfaces, 2015, 7, 20485-20492.	4.0	18
4168	Kinetic Analysis as a Tool to Distinguish Pathway Complexity in Molecular Assembly: An Unexpected Outcome of Structures in Competition. Journal of the American Chemical Society, 2015, 137, 12677-12688.	6.6	92
4169	Ferrocene and Silicon-Containing Oxathiacrown Macrocycles and Linear Oligo-Oxathioethers Obtained via Thiol–Ene Chemistry of a Redox-Active Bifunctional Vinyldisiloxane. Macromolecules, 2015, 48, 6955-6969.	2.2	14
4170	Self-Assembled Oligomeric Structures from 1,4-Benzenedithiol on Au(111) and the Formation of Conductive Linkers between Gold Nanoparticles. Journal of Physical Chemistry C, 2015, 119, 23042-23051.	1.5	20
4171	On sulfur core level binding energies in thiol self-assembly and alternative adsorption sites: An experimental and theoretical study. Journal of Chemical Physics, 2015, 143, 104702.	1.2	34
4172	Carbene Ligands in Surface Chemistry: From Stabilization of Discrete Elemental Allotropes to Modification of Nanoscale and Bulk Substrates. Chemical Reviews, 2015, 115, 11503-11532.	23.0	267
4173	Nanooptics of Plasmonic Nanomatryoshkas: Shrinking the Size of a Core–Shell Junction to Subnanometer. Nano Letters, 2015, 15, 6419-6428.	4.5	119
4174	Site-Selective Self-Assembly of Nano-Objects on a Planar Substrate Based on Surface Chemical Functionalization. Advances in Atom and Single Molecule Machines, 2015, , 93-112.	0.0	2
4175	Silanized Aryl Layers through Thiol-yne Photo-click Reaction. Langmuir, 2015, 31, 10717-10724.	1.6	18

#	Article	IF	CITATIONS
4176	DOS and electron attachment effects in the electron-induced vibrational excitation of terphenylthiol SAMs. Physical Chemistry Chemical Physics, 2015, 17, 30721-30728.	1.3	5
4177	Transfer of micro/nanostructured films by gel method. Micro and Nano Letters, 2015, 10, 172-174.	0.6	0
4178	Sensitive label-free electron chemical capacitive signal transduction for D-dimer electroanalysis. Electrochimica Acta, 2015, 182, 946-952.	2.6	30
4179	High-Efficiency Colloidal Quantum Dot Photovoltaics via Robust Self-Assembled Monolayers. Nano Letters, 2015, 15, 7691-7696.	4.5	198
4180	Bioinspired Zwitterionic Surface Coatings with Robust Photostability and Fouling Resistance. ACS Applied Materials & Interfaces, 2015, 7, 23776-23786.	4.0	48
4181	Gold nanoparticles are suitable cores for building tunable iminosugar multivalency. RSC Advances, 2015, 5, 95817-95822.	1.7	13
4182	Challenges and developments of self-assembled monolayers and polymer brushes as a green lubrication solution for tribological applications. RSC Advances, 2015, 5, 89698-89730.	1.7	51
4183	Order of Dry and Wet Mixed-Length Self-Assembled Monolayers. Journal of Physical Chemistry C, 2015, 119, 23943-23950.	1.5	21
4184	A new ratiometric fluorescent probe for the detection of thiophenols. RSC Advances, 2015, 5, 94216-94221.	1.7	32
4185	Tip-enhanced Raman spectroscopic imaging shows segregation within binary self-assembled thiol monolayers at ambient conditions. Analytical and Bioanalytical Chemistry, 2015, 407, 8197-8204.	1.9	11
4186	Ligand-Mediated "Turn On,―High Quantum Yield Near-Infrared Emission in Small Gold Nanoparticles. Journal of the American Chemical Society, 2015, 137, 14423-14429.	6.6	85
4187	Formation, Removal, and Reformation of Surface Coatings on Various Metal Oxide Surfaces Inspired by Mussel Adhesives. ACS Applied Materials & Interfaces, 2015, 7, 24656-24662.	4.0	23
4188	Excitation and Relaxation Dynamics of Two-Dimensional Photoexcited Electrons on Alkanethiolate Self-Assembled Monolayers. Journal of Physical Chemistry C, 2015, 119, 22945-22953.	1.5	11
4189	Current Trends and Challenges in Biointerfaces Science and Engineering. Annual Review of Chemical and Biomolecular Engineering, 2015, 6, 161-186.	3.3	27
4190	Adsorption of a metalorganic complex at a metal surface: A density functional theory study vs. model description. Journal of Applied Physics, 2015, 117, 034302.	1.1	1
4191	Investigation of inelastic electron tunneling spectra of metal-molecule-metal junctions fabricated using direct metal transfer method. Applied Physics Letters, 2015, 106, .	1.5	18
4192	Enhancing solid-liquid interface thermal transport using self-assembled monolayers. Applied Physics Letters, 2015, 106, .	1.5	65
4193	2D attenuated total reflectance infrared spectroscopy reveals ultrafast vibrational dynamics of organic monolayers at metal-liquid interfaces. Journal of Chemical Physics, 2015, 142, 212413.	1.2	30

#	Article	IF	CITATIONS
4194	Quantification of Amino Groups on Solid Surfaces Using Cleavable Fluorescent Compounds. Langmuir, 2015, 31, 8824-8829.	1.6	11
4195	Peptide flatlandia: a new-concept peptide for positioning of electroactive probes in proximity to a metal surface. Nanoscale, 2015, 7, 15495-15506.	2.8	15
4196	Characterization of one-dimensional molecular chains of 4,4′-biphenyl diisocyanide on Au(111) by scanning tunneling microscopy. Journal of Chemical Physics, 2015, 142, 101901.	1.2	8
4197	Effects of Immersion Solvent on Photovoltaic and Photophysical Properties of Porphyrin-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2015, 7, 18689-18696.	4.0	18
4198	Benzene derivatives adsorbed to the Ag(111) surface: Binding sites and electronic structure. Journal of Chemical Physics, 2015, 142, 101924.	1.2	22
4199	A facile strategy for the fabrication of a bioinspired hydrophilic–superhydrophobic patterned surface for highly efficient fog-harvesting. Journal of Materials Chemistry A, 2015, 3, 18963-18969.	5.2	171
4200	Versatile multiple protein nanopatterning within a microfluidic channel for cell recruitment studies. Lab on A Chip, 2015, 15, 4524-4532.	3.1	11
4201	One-Nanometer Thin Monolayers Remove the Deleterious Effect of Substrate Defects in Molecular Tunnel Junctions. Nano Letters, 2015, 15, 6643-6649.	4.5	50
4202	On-chip enzymatic assay for chloramphenicol acetyltransferase using matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Colloids and Surfaces B: Biointerfaces, 2015, 136, 465-469.	2.5	2
4203	Recent Developments in Altered Wettability for Enhancing Condensation. , 2015, , 85-131.		6
4203 4204	Recent Developments in Altered Wettability for Enhancing Condensation. , 2015, , 85-131. Signal enhancement in ultraflat electrochemical DNA biosensors. Electrophoresis, 2015, 36, 1905-1911.	1.3	6
		1.3	
4204	Signal enhancement in ultraflat electrochemical DNA biosensors. Electrophoresis, 2015, 36, 1905-1911. Label-free biosensors based on in situ formed and functionalized microwires in microfluidic devices.		3
4204 4205	Signal enhancement in ultraflat electrochemical DNA biosensors. Electrophoresis, 2015, 36, 1905-1911. Label-free biosensors based on in situ formed and functionalized microwires in microfluidic devices. Analyst, The, 2015, 140, 7896-7901. 1-Dodecanethiol based highly stable self-assembled monolayers for germanium passivation. Applied	1.7	3 22
4204 4205 4206	Signal enhancement in ultraflat electrochemical DNA biosensors. Electrophoresis, 2015, 36, 1905-1911. Label-free biosensors based on in situ formed and functionalized microwires in microfluidic devices. Analyst, The, 2015, 140, 7896-7901. 1-Dodecanethiol based highly stable self-assembled monolayers for germanium passivation. Applied Surface Science, 2015, 353, 890-901.	1.7 3.1	3 22 12
4204 4205 4206 4207	Signal enhancement in ultraflat electrochemical DNA biosensors. Electrophoresis, 2015, 36, 1905-1911. Label-free biosensors based on in situ formed and functionalized microwires in microfluidic devices. Analyst, The, 2015, 140, 7896-7901. 1-Dodecanethiol based highly stable self-assembled monolayers for germanium passivation. Applied Surface Science, 2015, 353, 890-901. Biomimetic sensor design. Nanoscale, 2015, 7, 18379-18391. Impact of Surface Chemistry on Nanoparticle–Electrode Interactions in the Electrochemical	1.7 3.1 2.8	3 22 12 25
4204 4205 4206 4207 4208	Signal enhancement in ultraflat electrochemical DNA biosensors. Electrophoresis, 2015, 36, 1905-1911. Label-free biosensors based on in situ formed and functionalized microwires in microfluidic devices. Analyst, The, 2015, 140, 7896-7901. 1-Dodecanethiol based highly stable self-assembled monolayers for germanium passivation. Applied Surface Science, 2015, 353, 890-901. Biomimetic sensor design. Nanoscale, 2015, 7, 18379-18391. Impact of Surface Chemistry on Nanoparticle–Electrode Interactions in the Electrochemical Detection of Nanoparticle Collisions. Langmuir, 2015, 31, 11932-11942. Probing charge transfer dynamics in self-assembled monolayers by core hole clock approach. Journal	1.7 3.1 2.8 1.6	3 22 12 25 72

#	Article	IF	CITATIONS
4212	Fabrication of polymeric biomaterials: a strategy for tissue engineering and medical devices. Journal of Materials Chemistry B, 2015, 3, 8224-8249.	2.9	176
4213	Role of redox centre in charge transport investigated by novel self-assembled conjugated polymer molecular junctions. Nature Communications, 2015, 6, 7478.	5.8	43
4214	Functionalization of silicon oxide using supercritical fluid deposition of 3,4-epoxybutyltrimethoxysilane for the immobilization of amino-modified oligonucleotide. Applied Surface Science, 2015, 354, 285-297.	3.1	8
4215	The Scope of Direct Alkylation of Gold Surface with Solutions of C ₁ –C ₄ <i>n</i> -Alkylstannanes. Journal of the American Chemical Society, 2015, 137, 12086-12099.	6.6	13
4216	Self-assembly of a Ru(II) -deuteroporphyrin lipoic acid derivative on Au(111) surfaces. Journal of Porphyrins and Phthalocyanines, 2015, 19, 1014-1020.	0.4	4
4217	Gold Nanomaterials at Work in Biomedicine. Chemical Reviews, 2015, 115, 10410-10488.	23.0	986
4218	Graphite-Conjugated Pyrazines as Molecularly Tunable Heterogeneous Electrocatalysts. Journal of the American Chemical Society, 2015, 137, 10926-10929.	6.6	95
4219	Gold nanoprobe-based non-crosslinking hybridization for molecular diagnostics. Expert Review of Molecular Diagnostics, 2015, 15, 1355-1368.	1.5	19
4220	Functionalized nanoparticle probes for protein detection. Electronic Materials Letters, 2015, 11, 336-345.	1.0	7
4221	Oxinate-Aluminum(III) Nanostructure Assemblies Formed via In-situ and Ex-situ Oxination of Gold-Self-Assembled Monolayers Characterized by Electrochemical, Attenuated Total Reflectance Fourier Transform Infrared Spectroscopy, and X-ray Photoelectron Spectroscopy Methods. Electrochimica Acta, 2015, 180, 722-736.	2.6	3
4222	Electrochemistry at a Metal Nanoparticle on a Tunneling Film: A Steady-State Model of Current Densities at a Tunneling Ultramicroelectrode. Journal of the American Chemical Society, 2015, 137, 11321-11326.	6.6	74
4223	Decoupling competing surface binding kinetics and reconfiguration of receptor footprint for ultrasensitive stress assays. Nature Nanotechnology, 2015, 10, 899-907.	15.6	26
4224	Synthesis of grafted phosphorylcholine polymer layers as specific recognition ligands for C-reactive protein focused on grafting density and thickness to achieve highly sensitive detection. Physical Chemistry Chemical Physics, 2015, 17, 9951-9958.	1.3	21
4225	Room temperature atomic layerlike deposition of ZnS on organic thin films: Role of substrate functional groups and precursors. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2015, 33, .	0.9	4
4226	Recent advances in capillary microextraction. TrAC - Trends in Analytical Chemistry, 2015, 73, 64-80.	5.8	25
4227	Water structure at the interfaces between a zwitterionic self-assembled monolayer/liquid water evaluated by sum-frequency generation spectroscopy. Colloids and Surfaces B: Biointerfaces, 2015, 135, 267-273.	2.5	19
4228	Specific ion effects on the hydrophobic interaction of benzene self-assembled monolayers. Physical Chemistry Chemical Physics, 2015, 17, 21432-21441.	1.3	7
4229	Properties of the gold–sulphur interface: from self-assembled monolayers to clusters. Nanoscale, 2015, 7, 15553-15567.	2.8	226

#	Article	IF	CITATIONS
4230	Dendritic Peptide Nanostructures Formed from Self-Assembly of Di-l-phenylalanine Extracted from Alzheimer's β-Amyloid Poly Peptides: Insights into Their Assembly Process. International Journal of Peptide Research and Therapeutics, 2015, 21, 423-431.	0.9	15
4231	Stability, cytotoxicity and cell uptake of water-soluble dendron–conjugated gold nanoparticles with 3, 12 and 17 nm cores. Journal of Materials Chemistry B, 2015, 3, 6071-6080.	2.9	22
4232	Detection of leukemia markers using long-range surface plasmon waveguides functionalized with Protein G. Lab on A Chip, 2015, 15, 4156-4165.	3.1	37
4233	Self-healable and reversible liposome leakage by citrate-capped gold nanoparticles: probing the initial adsorption/desorption induced lipid phase transition. Nanoscale, 2015, 7, 15599-15604.	2.8	49
4234	Nonideal Electrochemical Behavior of Ferrocenyl–Alkanethiolate SAMs Maps the Microenvironment of the Redox Unit. Journal of Physical Chemistry C, 2015, 119, 21978-21991.	1.5	58
4235	Pd–Ir Core–Shell Nanocubes: A Type of Highly Efficient and Versatile Peroxidase Mimic. ACS Nano, 2015, 9, 9994-10004.	7.3	254
4236	Recent advances in chemical functionalization of nanoparticles with biomolecules for analytical applications. Analytical and Bioanalytical Chemistry, 2015, 407, 8627-8645.	1.9	42
4237	Universal polymer coatings and their representative biomedical applications. Materials Horizons, 2015, 2, 567-577.	6.4	200
4238	Hybrid Hairy Janus Particles Decorated with Metallic Nanoparticles for Catalytic Applications. ACS Applied Materials & Interfaces, 2015, 7, 21218-21225.	4.0	102
4239	Biomimetic vaterite formation at surfaces structurally templated by oligo(glutamic acid) peptides. Chemical Communications, 2015, 51, 15902-15905.	2.2	21
4240	Surface Plasmon Resonance Sensors: Methods of Surface Functionalization and Sensitivity Enhancement. Theoretical and Experimental Chemistry, 2015, 51, 273-292.	0.2	15
4241	Autonomous microfluidics realized with active hydrophobic valves. , 2015, , .		2
4242	Potential responses to neutral thiophenols of polymeric membrane electrodes and their applications in potentiometric biosensing. RSC Advances, 2015, 5, 100689-100692.	1.7	1
4243	Adsorption and self-assembly of bio-organic molecules at model surfaces: A route towards increased complexity. Surface Science Reports, 2015, 70, 449-553.	3.8	64
4244	Revealing the Nature of Molecule–Electrode Contact in Tunneling Junctions Using Raw Data Heat Maps. Journal of Physical Chemistry Letters, 2015, 6, 4952-4958.	2.1	26
4245	Self-assembled monolayer engineered interfaces: Energy level alignment tuning through chain length and end-group polarity. Journal of Electron Spectroscopy and Related Phenomena, 2015, 204, 140-144.	0.8	9
4246	Odd–Even Effects in the Structure and Stability of Azobenzene-Substituted Alkanethiolates on Au(111) and Ag(111) Substrates. Journal of Physical Chemistry C, 2015, 119, 25929-25944.	1.5	27
4247	Au–S Bonding Revealed from the Characterization of Diatomic Gold Sulfide, AuS. Journal of Physical Chemistry A, 2015, 119, 11659-11667.	1.1	41

#	Article	IF	CITATIONS
4248	Coverage-driven dissociation of azobenzene on Cu(111): a route towards defined surface functionalization. Chemical Communications, 2015, 51, 15324-15327.	2.2	13
4249	Polyviologen synthesis by self-assembly assisted grafting. RSC Advances, 2015, 5, 101232-101240.	1.7	3
4250	Switching "on and off―faradaic electrochemistry at an otherwise passivated electrode using gold-coated magnetic nanoparticles. Electrochemistry Communications, 2015, 61, 93-96.	2.3	5
4251	The impact of surface coverage on the kinetics of electron transfer through redox monolayers on a silicon electrode surface. Electrochimica Acta, 2015, 186, 216-222.	2.6	33
4252	Surface Dipoles: A Growing Body of Evidence Supports Their Impact and Importance. Accounts of Chemical Research, 2015, 48, 3007-3015.	7.6	86
4253	Thermodynamics versus Kinetics in Nanosynthesis. Angewandte Chemie - International Edition, 2015, 54, 2022-2051.	7.2	400
4254	Insights into the PhC≡C/Au Interface. Journal of Physical Chemistry C, 2015, 119, 10804-10810.	1.5	50
4255	Voltammetric ion-channel sensing of ammonium ion using self-assembled monolayers modified with ionophoric receptors. Sensors and Actuators B: Chemical, 2015, 207, 1026-1034.	4.0	12
4256	A dual targeting cyclodextrin/gold nanoparticle conjugate as a scaffold for solubilization and delivery of paclitaxel. RSC Advances, 2015, 5, 8938-8941.	1.7	26
4257	Surfactant-Induced Polymer Segregation To Produce Antifouling Surfaces via Dip-Coating with an Amphiphilic Polymer. Langmuir, 2015, 31, 125-131.	1.6	19
4258	Facile preparation of an immobilized surfactant-free palladium nanocatalyst for metal hydride trapping: a novel sensing platform for TXRF analysis. Nanoscale, 2015, 7, 1994-2002.	2.8	14
4259	Highly Selective and Sensitive 1-Amino BODIPY-Based Red Fluorescent Probe for Thiophenols with High Off-to-On Contrast Ratio. Analytical Chemistry, 2015, 87, 399-405.	3.2	111
4260	Electrochemical genosensors as innovative tools for detection of genetically modified organisms. TrAC - Trends in Analytical Chemistry, 2015, 66, 19-31.	5.8	63
4261	Role of PbSe Structural Stabilization in Photovoltaic Cells. Advanced Functional Materials, 2015, 25, 928-935.	7.8	21
4262	A new approach for high-yield metal–molecule–metal junctions by direct metal transfer method. Nanotechnology, 2015, 26, 025601.	1.3	17
4263	Self-assembled monolayers of alkyl-thiols on InAs: A Kelvin probe force microscopy study. Surface Science, 2015, 633, 53-59.	0.8	25
4264	Technological development of intracellular polysilicon–chromium–gold chips for orthogonal chemical functionalization. Sensors and Actuators B: Chemical, 2015, 209, 212-224.	4.0	7
4265	Formation and use of palladium(II)–thiol complexes at the surface of PDMS stamps for the fabrication of high resolution and high density metal patterns using soft-lithography techniques. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 466, 75-84.	2.3	5

#	Article	IF	CITATIONS
4266	Mild Ti-mediated transformation of t-butyl thio-ethers into thio-acetates. Organic and Biomolecular Chemistry, 2015, 13, 265-268.	1.5	8
4267	The impact of 1,2,3-triazoles in the design of functional coatings. RSC Advances, 2015, 5, 3687-3708.	1.7	114
4268	On the mechanical and electronic properties of thiolated gold nanocrystals. Nanoscale, 2015, 7, 1809-1819.	2.8	23
4269	Coreâ€"shellâ€"shell nanorods for controlled release of silver that can serve as a nanoheater for photothermal treatment on bacteria. Acta Biomaterialia, 2015, 11, 511-519.	4.1	63
4270	Label-free impedimetric aptasensor with antifouling surface chemistry: A prostate specific antigen case study. Sensors and Actuators B: Chemical, 2015, 209, 306-312.	4.0	134
4271	Polysaccharide-Gold Nanocluster Supramolecular Conjugates as a Versatile Platform for the Targeted Delivery of Anticancer Drugs. Scientific Reports, 2014, 4, 4164.	1.6	86
4272	Metallic Nanostructures. , 2015, , .		24
4273	Electrochemical "read–write―microscale patterning of boron doped diamond electrodes. Chemical Communications, 2015, 51, 164-167.	2.2	17
4274	Adsorption of a Methylthio Radical on Silver Nanoparticles: Size Dependence. Journal of Physical Chemistry C, 2015, 119, 10824-10835.	1.5	17
4276	Characterization of new molecular self-assembled monolayers on gold electrode by QCM, EIS, SEM and CV techniques: application for electrocatalytic determination of dopamine in the presence of acetaminophen. Journal of the Iranian Chemical Society, 2015, 12, 677-685.	1.2	4
4277	Dispersion control of Ag nanoparticles in bulk-heterojunction for efficient organic photovoltaic devices. Organic Electronics, 2015, 16, 118-125.	1.4	9
4278	Immobilisation of a thrombopoietin peptidic mimic by self-assembled monolayers for culture of CD34+ cells. Biomaterials, 2015, 37, 82-93.	5.7	8
4279	Infrared spectroscopic study of the reactions between an octadecyltrichlorosilane self-assembled monolayer and plasma. Japanese Journal of Applied Physics, 2015, 54, 01AB04.	0.8	0
4280	Triazatriangulenium adlayers on Au(111): Superstructure as a function of alkyl side chain length. Surface Science, 2015, 632, 71-76.	0.8	24
4281	Interaction Studies Between Indomethacin Nanocrystals and PEO/PPO Copolymer Stabilizers. Pharmaceutical Research, 2015, 32, 628-639.	1.7	38
4282	Electrochemical synthesis of nanostructured gold film for the study of carbohydrate–lectin interactions using localized surface plasmon resonance spectroscopy. Carbohydrate Research, 2015, 405, 55-65.	1.1	25
4283	A novel drug delivery system of gold nanorods with doxorubicin and study of drug release by single molecule spectroscopy. Journal of Drug Targeting, 2015, 23, 52-58.	2.1	14
4284	Application of nanomaterials in microbial-cell biosensor constructions. Chemical Papers, 2015, 69, .	1.0	15

#	Article	IF	CITATIONS
4285	Electrochemical determination of trypsin using a heptapeptide substrate self-assembled on a gold electrode. Mikrochimica Acta, 2015, 182, 43-49.	2.5	33
4286	Drug Delivery Nanoparticles Formulation and Characterization. , 0, , .		40
4287	Neutron Reflectometry for Studying Proteins/Peptides in Biomimetic Membranes. , 2016, , .		0
4288	Bioengineered Surfaces for Real-Time Label-Free Detection of Cancer Cells. , 0, , .		0
4289	A Flow SPR Immunosensor Based on a Sandwich Direct Method. Biosensors, 2016, 6, 22.	2.3	18
4290	Nanocolloids of Noble Metals. , 2016, , 37-73.		0
4291	Efficient electron-induced removal of oxalate ions and formation of copper nanoparticles from copper(II) oxalate precursor layers. Beilstein Journal of Nanotechnology, 2016, 7, 852-861.	1.5	6
4292	Case studies on the formation of chalcogenide self-assembled monolayers on surfaces and dissociative processes. Beilstein Journal of Nanotechnology, 2016, 7, 263-277.	1.5	10
4293	Organized films. Beilstein Journal of Nanotechnology, 2016, 7, 406-408.	1.5	0
4294	Density Functional Theory Study of the Interaction of 2-Mercaptobenzimidazole and Gold, Palladium and Nickel atoms. International Journal of Electrochemical Science, 2016, , 4427-4441.	0.5	8
4295	On/Off Switchable Interfaces. , 2016, , 279-294.		0
4296	Polynanomers from Polymerization of Inorganic Nanoparticles. , 2016, , .		0
4297	Self-assembly of nanobiomaterials. , 2016, , 57-90.		10
4298	Antibacterial Activity of Partially Oxidized Ag/Au Nanoparticles against the Oral Pathogen <i>Porphyromonas gingivalis</i> W83. Journal of Nanomaterials, 2016, 2016, 1-11.	1.5	21
4299	High Current Density Chronopotentiometric Electrosynthesis and SEM Characterization of Hexanethiol-Monolayer-Protected Silver Planar Nanotriangles (Ag@C6SH). Journal of Nanomaterials, 2016, 2016, 1-12.	1.5	0
4300	Rigid multipodal platforms for metal surfaces. Beilstein Journal of Nanotechnology, 2016, 7, 374-405.	1.5	55
4301	Unique Properties of Core Shell Ag@Au Nanoparticles for the Aptasensing of Bacterial Cells. Chemosensors, 2016, 4, 16.	1.8	32
4302	Metallic Nanostructures Based on DNA Nanoshapes. Nanomaterials, 2016, 6, 146.	1.9	16

ARTICLE IF CITATIONS Linear and nonlinear optical characterization of self-assembled, large-area gold nanosphere 4303 1.7 16 metasurfaces with sub-nanometer gaps. Optics Express, 2016, 24, 27360. Ultrasensitive biosensors based on long-range surface plasmon polariton and dielectric waveguide 4304 3.4 93 modes. Photonics Research, 2016, 4, 262. Thiol-Based Self-Assembled Monolayers: Formation, Organization, and the Role of Adsorbate 4305 5 Structure., 2016, , . Tunneling Electron Induced Fluorescence from Single Porphyrin Molecules Decoupled by Striped-Phase Octanethiol Self-assembled Monolayer. Chinese Journal of Chemical Physics, 2016, 29, 4306 0.6 157-160. Modification of the Electrochemical Properties of Nile Blue through Covalent Attachment to Gold As 4307 1.538 Revealed by Electrochemistry and SERS. Journal of Physical Chemistry C, 2016, 120, 21091-21098. Influence of Air-Oxidation on Rectification in Thiol-Based Molecular Monolayers. Journal of the Electrochemical Society, 2016, 163, G115-G121. 1.3 Two Are Better than One: Bidentate Adsorbates Offer Precise Control of Interfacial Composition and 4309 3.2 19 Properties. Chemistry of Materials, 2016, 28, 5356-5364. Cyclodextrin – ferrocene host – guest complexes on silicon oxide surfaces. Surface and Interface 4310 0.8 Ánalysis, 2016, 48, 606-610. Mussel inspired preparation of functional silica nanocomposites for environmental adsorption 4311 3.1 50 applications. Applied Surface Science, 2016, 387, 285-293. Carbon Nanomembranes. Advanced Materials, 2016, 28, 6075-6103. 11.1 2D Protein Supramolecular Nanofilm with Exceptionally Large Area and Emergent Functions. 4313 11.1 191 Advanced Materials, 2016, 28, 7414-7423. Counterionâ€Directed, Structurally Tunable Assembly of Hydrogels, Membranes, and Sacs at Aqueous 4314 Liquid–Liquid Interfaces. Advanced Materials Interfaces, 2016, 3, 1500327. Engineering Gram Selectivity of Mixedâ€Charge Gold Nanoparticles by Tuning the Balance of Surface 4315 7.2 88 Charges. Angewandte Chemie - International Edition, 2016, 55, 8610-8614. Highly Stable Perylenediimideâ€Based Selfâ€Assembled Monolayers Studied with Spectroelectrochemistry. 1.7 ChemElectroChem, 2016, 3, 887-891. A Lowâ€Voltage Organic Complementary Inverter with High Operation Stability and Flexibility Using an Ultrathin iCVD Polymer Dielectric and a Hybrid Encapsulation Layer. Advanced Électronic Materials, 4317 29 2.6 2016, 2, 1500385. Unleashing Cancer Cells on Surfaces Exposing Motogenic IGDQ Peptides. Small, 2016, 12, 321-329. 4318 Effects of Pt shell thickness on self-assembly monolayer Pd@Pt core-shell nanocrystals based 4319 3.8 30 hydrogen sensing. International Journal of Hydrogen Energy, 2016, 41, 15399-15410. Atomic Structure of Self-Assembled Monolayer of Thiolates on a Tetragonal Au₉₂ 6.6 Nanocrystal. Journal of the American Chemical Society, 2016, 138, 8710-8713.

#	Article	IF	CITATIONS
4321	Adsorption of oriented carborane dipoles on a silver surface. Physica Status Solidi (B): Basic Research, 2016, 253, 591-600.	0.7	12
4322	Quantitative Analysis of a Promising Cancer Biomarker, Calretinin, by a Biosensing System Based on Simple and Effective Immobilization Process. Electroanalysis, 2016, 28, 334-342.	1.5	3
4323	The Swissâ€Armyâ€Knife Selfâ€Assembled Monolayer: Improving Electron Injection, Stability, and Wettability of Metal Electrodes with a Oneâ€Minute Process. Advanced Functional Materials, 2016, 26, 3172-3178.	7.8	27
4324	Probing the localization of charge and the extent of disorder through electronic transport on Au nanoparticle–copper phthalocyanine multijunction networks. Physica Status Solidi (B): Basic Research, 2016, 253, 1009-1019.	0.7	2
4325	Hot-Press-Assisted Adhesions between Polyimide Films and Titanium Plates Utilizing Coating Layers of Silane Coupling Agents. Langmuir, 2016, 32, 12344-12351.	1.6	18
4326	Surfaceâ€Enhanced Raman Spectroscopy as a Probe of the Surface Chemistry of Nanostructured Materials. Advanced Materials, 2016, 28, 5705-5711.	11.1	47
4327	CDâ€59 Targeted Ultrasensitive Electrochemical Immunosensor for Fast and Noninvasive Diagnosis of Oral Cancer. Electroanalysis, 2016, 28, 2565-2574.	1.5	80
4328	Soft Matterâ€Regulated Active Nanovalves Locally Selfâ€Assembled in Femtoliter Nanofluidic Channels. Advanced Materials, 2016, 28, 2209-2216.	11.1	38
4329	Engineering Gram Selectivity of Mixed harge Gold Nanoparticles by Tuning the Balance of Surface Charges. Angewandte Chemie, 2016, 128, 8752-8756.	1.6	17
4330	Studies of the structure and phase transitions of nano-confined pentanedithiol and its application in directing hierarchical molecular assemblies on Au(1 1 1). Journal of Physics Condensed Matter, 2016, 28, 094013.	0.7	4
4331	Electrochemical sensors and biosensors for determination of catecholamine neurotransmitters: A review. Talanta, 2016, 160, 653-679.	2.9	154
4332	Electrochemical Probing through a Redox Capacitor To Acquire Chemical Information on Biothiols. Analytical Chemistry, 2016, 88, 7213-7221.	3.2	27
4333	A van der Waals density functional investigation of carboranethiol self-assembled monolayers on Au(111). Physical Chemistry Chemical Physics, 2016, 18, 12920-12927.	1.3	13
4334	Magnetic and Electrochemical Properties of a TEMPOâ€Substituted Disulfide Diradical in Solution, in the Crystal, and on a Surface. Chemistry - A European Journal, 2016, 22, 1805-1815.	1.7	13
4335	Surface Nanostructures Composed of Thiolated Cyclodextrin/Au and Fe Species: Gas―and Liquidâ€Phase Preparation. ChemPhysChem, 2016, 17, 2295-2299.	1.0	0
4336	Self-assembly of trithia-9-crown-3 and octathia-24-crown-8 on Au(111) surfaces. RSC Advances, 2016, 6, 81726-81730.	1.7	0
4337	C–X (X = Cl, Br, I) bond dissociation energy as a descriptor for the redispersion of sintered Au/AC catalysts. Chinese Journal of Catalysis, 2016, 37, 1794-1803.	6.9	15
4338	Lipid-Coated Gold Nanoparticles as Probes for Membrane Binding. Springer Protocols, 2016, , 1-16.	0.1	4

#	Article	IF	CITATIONS
4339	Cartesian Decomposition of Infrared Spectra Reveals the Structure of Solution-Deposited, Self-Assembled Benzoate and Alkanoate Monolayers on Rutile (110). Journal of Physical Chemistry C, 2016, 120, 24866-24876.	1.5	4
4340	Morse potential-based model for contacting composite rough surfaces: Application to self-assembled monolayer junctions. Journal of Applied Physics, 2016, 119, .	1.1	9
4341	High Resolution Quantitative Angle-Scanning Widefield Surface Plasmon Microscopy. Scientific Reports, 2016, 6, 20195.	1.6	23
4342	Exploratory Research of Chemical Sensors Based on Organic Transistors with Self-Assembled Monolayer-Functionalized Electrodes. Kobunshi Ronbunshu, 2016, 73, 453-463.	0.2	0
4343	Multitechnique characterization of oligo(ethylene glycol) functionalized gold nanoparticles. Biointerphases, 2016, 11, 04B304.	0.6	12
4344	Remarkably enhanced adhesion of coherently aligned catechol-terminated molecules on ultraclean ultraflat gold nanoplates. Nanotechnology, 2016, 27, 475705.	1.3	3
4345	Conformation-driven quantum interference effects mediated by through-space conjugation in self-assembled monolayers. Nature Communications, 2016, 7, 13904.	5.8	66
4347	Plasmonic Nanoparticles with Quantitatively Controlled Bioconjugation for Photoacoustic Imaging of Live Cancer Cells. Advanced Science, 2016, 3, 1600237.	5.6	39
4348	Study on Oxidation Resistance of Copper Plate with Organic Thin Layer by Cyclic Voltammetry. Kobunshi Ronbunshu, 2016, 73, 294-301.	0.2	2
4349	Performance Modeling of Mimosa pudica Extract as a Sensitizer for Solar Energy Conversion. Energy and Policy Research, 2016, 3, 42-49.	0.8	7
4350	Numerical study on the influence of buried oxide layer of SOI wafers on the terminal characteristics of a micro/nano cantilever biosensor with an integrated piezoresistor. Biomedical Physics and Engineering Express, 2016, 2, 055012.	0.6	9
4351	Protein-G-based human immunoglobulin G biosensing by electrochemical impedance spectroscopy. Japanese Journal of Applied Physics, 2016, 55, 02BE06.	0.8	7
4353	Investigating the dynamics of surface-immobilized DNA nanomachines. Scientific Reports, 2016, 6, 29581.	1.6	26
4354	Cold denaturation induces inversion of dipole and spin transfer in chiral peptide monolayers. Nature Communications, 2016, 7, 10744.	5.8	83
4355	Spatial control of chemical processes on nanostructures through nano-localized water heating. Nature Communications, 2016, 7, 10946.	5.8	39
4356	Liquid crystals from mesogens containing gold nanoparticles. Series in Sof Condensed Matter, 2016, , 571-602.	0.1	1
4357	Influence of steric hindrance on the molecular packing and the anchoring of quinonoid zwitterions on gold surfaces. New Journal of Chemistry, 2016, 40, 5782-5796.	1.4	18
4358	Carbene-mediated self-assembly of diamondoids on metal surfaces. Nanoscale, 2016, 8, 8966-8975.	2.8	20

#	Article	IF	CITATIONS
4359	Noncovalent Functionalization of Graphene and Graphene Oxide for Energy Materials, Biosensing, Catalytic, and Biomedical Applications. Chemical Reviews, 2016, 116, 5464-5519.	23.0	1,942
4360	Critical Sequence Dependence in Multicomponent Ligand Binding to Gold Nanoparticles. Journal of Physical Chemistry C, 2016, 120, 6900-6905.	1.5	13
4361	Properties of gold electrode modified with dimercaptosuccinic acid and electrochemical behavior of copper histidine complex. Journal of Analytical Chemistry, 2016, 71, 276-282.	0.4	0
4362	Analysis of Photothermal Release of Oligonucleotides from Hollow Gold Nanospheres by Surface-Enhanced Raman Scattering. Journal of Physical Chemistry C, 2016, 120, 20677-20683.	1.5	6
4363	First-principles investigation of methanethiol adsorption and dissociation mechanisms on the high-Miller-index vicinal surface Cu(4 1 0). Journal of Physics Condensed Matter, 2016, 28, 175001.	0.7	1
4364	New Insight into the Interface Chemistry and Stability of Glutathione Self-Assembled Monolayers on Au(111). Journal of Physical Chemistry C, 2016, 120, 14597-14607.	1.5	10
4365	A highly selective 7-hydroxy-3-methyl-benzoxazinone based fluorescent probe for instant detection of thiophenols in environmental samples. Tetrahedron Letters, 2016, 57, 3039-3042.	0.7	20
4366	Comparison of DC and AC Transport in 1.5–7.5 nm Oligophenylene Imine Molecular Wires across Two Junction Platforms: Eutectic Ga–In versus Conducting Probe Atomic Force Microscope Junctions. Journal of the American Chemical Society, 2016, 138, 7305-7314.	6.6	64
4367	Phosphonic Acids for Interfacial Engineering of Transparent Conductive Oxides. Chemical Reviews, 2016, 116, 7117-7158.	23.0	189
4368	Molecular Electronics: A Brief Overview of the Status of the Field. , 2016, , 1-23.		3
4369	Nanomedicine. Advances in Delivery Science and Technology, 2016, , .	0.4	6
4370	Synthesis, characterization, and application of Fe ₃ O ₄ /Ag magnetic composites for mercury removal from water. Materials Research Express, 2016, 3, 045013.	0.8	12
4371	Mechanistic Influence of Nanometer Length-Scale Surface Chemistry on DNA Hybridization. Biophysical Journal, 2016, 110, 407a.	0.2	1
4372	Modeling and simulation of protein–surface interactions: achievements and challenges. Quarterly Reviews of Biophysics, 2016, 49, e4.	2.4	163
4373	Detection of Helicobacter Pylori Genome with an Optical Biosensor Based on Hybridization of Urease Gene with a Gold Nanoparticles-Labeled Probe. Journal of Applied Spectroscopy, 2016, 83, 322-329.	0.3	9
4374	A generalized lateral interactions function to fit voltammetric peaks of self-assembled monolayers. Electrochemistry Communications, 2016, 67, 73-79.	2.3	17
4375	AFM Imaging of Mercaptobenzoic Acid on Au(110): Submolecular Contrast with Metal Tips. Journal of Physical Chemistry Letters, 2016, 7, 1984-1990.	2.1	15
4376	Improved methods for evaluating the environmental impact of nanoparticle synthesis. Green Chemistry, 2016, 18, 4263-4269.	4.6	22

#	Article	IF	CITATIONS
4377	Etching of Crystalline ZnO Surfaces upon Phosphonic Acid Adsorption: Guidelines for the Realization of Well-Engineered Functional Self-Assembled Monolayers. ACS Applied Materials & Interfaces, 2016, 8, 13472-13483.	4.0	11
4378	Oligonucleotide-Conjugated Gold Nanoparticles for Application on Lateral Flow Biosensors: Evaluation and Optimization of Low pH and Salt-Aging Conjugation Methods. Analytical Letters, 2016, 49, 2833-2850.	1.0	1
4379	Antibody regeneration on degenerate Si electrodes for calibration and reuse of impedance biosensors. Sensing and Bio-Sensing Research, 2016, 7, 20-24.	2.2	10
4380	Precise, Self-Limited Epitaxy of Ultrathin Organic Semiconductors and Heterojunctions Tailored by van der Waals Interactions. Nano Letters, 2016, 16, 3754-3759.	4.5	92
4381	Mimicking natural cell environments: design, fabrication and application of bio-chemical gradients on polymeric biomaterial substrates. Journal of Materials Chemistry B, 2016, 4, 4244-4257.	2.9	37
4382	Versatile Route to Colloidal Stability and Surface Functionalization of Hydrophobic Nanomaterials. Langmuir, 2016, 32, 5629-5636.	1.6	17
4383	Size-Dependent Disorder–Order Transformation in the Synthesis of Monodisperse Intermetallic PdCu Nanocatalysts. ACS Nano, 2016, 10, 6345-6353.	7.3	185
4384	A stepwise bulk-to-cluster-to-particle transformation toward the efficient synthesis of alkynyl-protected silver nanoclusters. Chemical Communications, 2016, 52, 7723-7726.	2.2	8
4385	Elucidating the role of methyl viologen as a scavenger of photoactivated electrons from photosystem I under aerobic and anaerobic conditions. Physical Chemistry Chemical Physics, 2016, 18, 8512-8521.	1.3	22
4386	Electro-oxidation study of promethazine hydrochloride at the surface of modified gold electrode using molecular self assembly of a novel bis-thio Schiff base from ethanol media. Journal of Molecular Liquids, 2016, 216, 429-439.	2.3	27
4387	Jahn–Teller effects in Au ₂₅ (SR) ₁₈ . Chemical Science, 2016, 7, 1882-1890.	3.7	149
4388	Gold surfaces and nanoparticles are protected by Au(0)–thiyl species and are destroyed when Au(I)–thiolates form. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E1424-33.	3.3	116
4389	Chemiresistors based on ultrathin gold nanowires for sensing halides, pyridine and dopamine. Sensors and Actuators B: Chemical, 2016, 232, 420-427.	4.0	31
4390	Unraveling the dynamics and structure of functionalized self-assembled monolayers on gold using 2D IR spectroscopy and MD simulations. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 4929-4934.	3.3	48
4391	Label free nano-aptasensor for interleukin-6 in protein-dilute bio fluids such as sweat. Analytical Methods, 2016, 8, 3440-3444.	1.3	41
4392	A bistren cryptand with a remote thioether function: Cu(<scp>ii</scp>) complexation in solution and on the surface of gold nanostars. New Journal of Chemistry, 2016, 40, 5722-5730.	1.4	7
4393	Functionalization of Oxide-Free Silicon Surfaces with Redox-Active Assemblies. Chemical Reviews, 2016, 116, 4808-4849.	23.0	114
4394	Formation of 2-D Crystalline Intermixed Domains at the Molecular Level in Binary Self-Assembled Monolayers from a Lyotropic Mixture. Journal of Physical Chemistry C, 2016, 120, 8595-8606.	1.5	7

#	Article	IF	CITATIONS
4395	Urethane–acrylate polymers in high-resolution contact printing. Journal of Materials Chemistry C, 2016, 4, 4155-4165.	2.7	33
4396	Determination of thiophenols with a novel fluorescence labelling reagent: analysis of industrial wastewater samples with SPE extraction coupled with HPLC. Analytical and Bioanalytical Chemistry, 2016, 408, 3527-3536.	1.9	24
4397	Automatic molecular collection and detection by using fuel-powered microengines. Nanoscale, 2016, 8, 9141-9145.	2.8	28
4398	Influence of Temperature on the Nanoadhesion of a Methyl-Terminated Thiol Monolayer: A New Insight with High-Rate Dynamic Force Spectroscopy. Langmuir, 2016, 32, 4500-4508.	1.6	8
4399	Facile method for the synthesis of core/shell Fe3O4@SiO2@SiO2-SH-Au: a super magnetic nanocatalyst for water-medium and solvent-free alkyne hydration. Journal of the Iranian Chemical Society, 2016, 13, 1367-1374.	1.2	6
4400	Effect of ITO surface properties on SAM modification: A review toward biosensor application. Cogent Engineering, 2016, 3, 1170097.	1.1	36
4401	Surface heterogeneity: a friend or foe of protein adsorption – insights from theoretical simulations. Faraday Discussions, 2016, 191, 435-464.	1.6	27
4402	Mapping Buried Hydrogen-Bonding Networks. ACS Nano, 2016, 10, 5446-5451.	7.3	21
4403	Inverted organic photovoltaic cells. Chemical Society Reviews, 2016, 45, 2937-2975.	18.7	185
4404	Electrochemistry of N4 Macrocyclic Metal Complexes. , 2016, , .		32
4404 4405	Electrochemistry of N4 Macrocyclic Metal Complexes. , 2016, , . The Ligand Shell as an Energy Barrier in Surface Reactions on Transition Metal Nanoparticles. Journal of the American Chemical Society, 2016, 138, 6765-6773.	6.6	32 61
	The Ligand Shell as an Energy Barrier in Surface Reactions on Transition Metal Nanoparticles. Journal	6.6	
4405	The Ligand Shell as an Energy Barrier in Surface Reactions on Transition Metal Nanoparticles. Journal of the American Chemical Society, 2016, 138, 6765-6773.		61
4405 4406	The Ligand Shell as an Energy Barrier in Surface Reactions on Transition Metal Nanoparticles. Journal of the American Chemical Society, 2016, 138, 6765-6773. Long-Range Surface Plasmon-Polariton Waveguide Biosensors for Disease Detection. Journal of Lightwave Technology, 2016, 34, 4673-4681. Density Functional Theory Investigations of Ferrocene-Terminated Self-Assembled Monolayers: Electronic State Changes Induced by Electric Dipole Field of Coadsorbed Species. Journal of Physical	2.7	61 22
4405 4406 4407	The Ligand Shell as an Energy Barrier in Surface Reactions on Transition Metal Nanoparticles. Journal of the American Chemical Society, 2016, 138, 6765-6773. Long-Range Surface Plasmon-Polariton Waveguide Biosensors for Disease Detection. Journal of Lightwave Technology, 2016, 34, 4673-4681. Density Functional Theory Investigations of Ferrocene-Terminated Self-Assembled Monolayers: Electronic State Changes Induced by Electric Dipole Field of Coadsorbed Species. Journal of Physical Chemistry C, 2016, 120, 8684-8692. STM Study of Au(111) Surface-Grafted Paramagnetic Macrocyclic Complexes	2.7 1.5	61 22 7
4405 4406 4407 4408	The Ligand Shell as an Energy Barrier in Surface Reactions on Transition Metal Nanoparticles. Journal of the American Chemical Society, 2016, 138, 6765-6773. Long-Range Surface Plasmon-Polariton Waveguide Biosensors for Disease Detection. Journal of Lightwave Technology, 2016, 34, 4673-4681. Density Functional Theory Investigations of Ferrocene-Terminated Self-Assembled Monolayers: Electronic State Changes Induced by Electric Dipole Field of Coadsorbed Species. Journal of Physical Chemistry C, 2016, 120, 8684-8692. STM Study of Au(111) Surface-Grafted Paramagnetic Macrocyclic Complexes [Ni _{2 [Ni₂L(Hmba)]⁺ via Ambidentate Coligands. Langmuir, 2016, 32, 4464-4471. Theoretical Aspects of the Reactivity of MN4 Macrocyclics in Electrochemical Reactions. , 2016, ,}	2.7 1.5	61 22 7 9
4405 4406 4407 4408 4409	The Ligand Shell as an Energy Barrier in Surface Reactions on Transition Metal Nanoparticles. Journal of the American Chemical Society, 2016, 138, 6765-6773. Long-Range Surface Plasmon-Polariton Waveguide Biosensors for Disease Detection. Journal of Lightwave Technology, 2016, 34, 4673-4681. Density Functional Theory Investigations of Ferrocene-Terminated Self-Assembled Monolayers: Electronic State Changes Induced by Electric Dipole Field of Coadsorbed Species. Journal of Physical Chemistry C, 2016, 120, 8684-8692. STM Study of Au(111) Surface-Grafted Paramagnetic Macrocyclic Complexes [Ni ₂ L(Hmba)] ⁺ via Ambidentate Coligands. Langmuir, 2016, 32, 4464-4471. Theoretical Aspects of the Reactivity of MN4 Macrocyclics in Electrochemical Reactions. , 2016, , 143-170.	2.7 1.5 1.6	 61 22 7 9 1

#	Article	IF	CITATIONS
4413	Nucleation on surfaces and in confinement. MRS Bulletin, 2016, 41, 388-392.	1.7	32
4414	Surface Energy and Work Function Control of AlO _{<i>x</i>} /Al Surfaces by Fluorinated Benzylphosphonic Acids. ACS Applied Materials & Interfaces, 2016, 8, 11857-11867.	4.0	10
4415	Achieving high efficiency and improved stability in large-area ITO-free perovskite solar cells with thiol-functionalized self-assembled monolayers. Journal of Materials Chemistry A, 2016, 4, 7903-7913.	5.2	64
4416	Synthesis and physicochemical properties of zinc and indium phthalocyanines conjugated to quantum dots, gold and magnetic nanoparticles. Dyes and Pigments, 2016, 131, 186-200.	2.0	23
4417	Self-Assembled Monolayers of Perfluoroanthracenylaminoalkane Thiolates on Gold as Potential Electron Injection Layers. ACS Applied Materials & Interfaces, 2016, 8, 7308-7319.	4.0	12
4418	Simulations of molecular self-assembled monolayers on surfaces: packing structures, formation processes and functions tuned by intermolecular and interfacial interactions. Physical Chemistry Chemical Physics, 2016, 18, 22757-22771.	1.3	22
4419	Preparation and properties of a magnetic field responsive three-dimensional electrospun polymer scaffold. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 503, 79-87.	2.3	25
4420	Self-assembly of hydrogen-bonded supramolecular complexes of nucleic-acid-base and fatty-acid at the liquid–solid interface. Physical Chemistry Chemical Physics, 2016, 18, 14168-14171.	1.3	18
4421	Complexes of carbene-functionalized diamondoids and metal atoms: Electronic properties. Journal of Organometallic Chemistry, 2016, 815-816, 8-15.	0.8	5
4422	On-Surface Synthesis of Two-Dimensional Covalent Organic Structures versus Halogen-Bonded Self-Assembly: Competing Formation of Organic Nanoarchitectures. ACS Nano, 2016, 10, 5490-5498.	7.3	97
4423	Self-Assembled Amphiphilic Macromolecule Coatings: Comparison of Grafting-From and Grafting-To Approaches for Bioactive Delivery. Langmuir, 2016, 32, 5038-5047.	1.6	11
4424	Formation and Stability of Phenylphosphonic Acid Monolayers on ZnO: Comparison of In Situ and Ex Situ SAM Preparation. Langmuir, 2016, 32, 5029-5037.	1.6	11
4425	Simple, Reversible, and Fast Modulation in Superwettability, Gradient, and Adsorption by Counterion Exchange on Self-Assembled Monolayer. Langmuir, 2016, 32, 5491-5499.	1.6	38
4426	Understanding molecular self-assembly of a diol compound by considering competitive interactions. Physical Chemistry Chemical Physics, 2016, 18, 27390-27395.	1.3	6
4427	The Role of Tris(2-carboxyethyl)phosphine Reducing Agent in the Controlled Formation of α,ï‰-Alkanedithiols Monolayers on Au(111) with Monocoordinated and Bicoordinated Configurations. Langmuir, 2016, 32, 9428-9436.	1.6	3
4428	The role of the crystalline face in the ordering of 6-mercaptopurine self-assembled monolayers on gold. Nanoscale, 2016, 8, 17231-17240.	2.8	16
4429	Smaller to larger biomolecule detection using a lab-built surface plasmon resonance based instrument. Laser Physics, 2016, 26, 105602.	0.6	3
4430	Local pH Gradient Initiated by Light on TiO ₂ for Lightâ€Triggered Modulation of Polyhistidineâ€Tagged Proteins. ChemElectroChem, 2016, 3, 1306-1310.	1.7	22

#	Article	IF	Citations
4431	Even the Odd Numbers Help: Failure Modes of SAM-Based Tunnel Junctions Probed via Odd-Even Effects Revealed in Synchrotrons and Supercomputers. Accounts of Chemical Research, 2016, 49, 2061-2069.	7.6	68
4432	Biaxial ferromagnetic liquid crystal colloids. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 10479-10484.	3.3	71
4433	Large Magnetoresistance at Room Temperature in Organic Molecular Tunnel Junctions with Nonmagnetic Electrodes. ACS Nano, 2016, 10, 8571-8577.	7.3	20
4434	Effect of phosphonate monolayer adsorbate on the microwave photoresponse of TiO ₂ nanotube membranes mounted on a planar double ring resonator. Nanotechnology, 2016, 27, 375201.	1.3	37
4435	CMOS biosensors for in vitro diagnosis – transducing mechanisms and applications. Lab on A Chip, 2016, 16, 3664-3681.	3.1	35
4436	Development of peptide-functionalized synthetic hydrogel microarrays for stem cell and tissue engineering applications. Acta Biomaterialia, 2016, 45, 110-120.	4.1	45
4437	Highâ€Density Liquidâ€Crystalline Polymer Brushes Formed by Surface Segregation and Selfâ€Assembly. Angewandte Chemie - International Edition, 2016, 55, 14028-14032.	7.2	18
4438	Self-Assembled Monolayers prepared from alkanethiols or dialkyl disulfides on Au: evidence of influence of the anchoring group ChemistrySelect, 2016, 1, 3171-3174.	0.7	4
4439	Plasmonic coupling in single flower-like gold nanoparticle assemblies. Progress in Natural Science: Materials International, 2016, 26, 449-454.	1.8	6
4440	Soft Landing of Complex Ions for Studies in Catalysis and Energy Storage. Journal of Physical Chemistry C, 2016, 120, 23305-23322.	1.5	31
4441	Effect of Substrate Morphology on the Odd–Even Effect in Hydrophobicity of Self-Assembled Monolayers. Langmuir, 2016, 32, 10358-10367.	1.6	23
4442	Quantum State Resolved 3D Velocity Map Imaging of Surface-Scattered Molecules: Incident Energy Effects in HCl + Self-Assembled Monolayer Collisions. Journal of Physical Chemistry C, 2016, 120, 16687-16698.	1.5	20
4443	Sequential Regeneration of Selfâ€Assembled Monolayers for Highly Selective Atomic Layer Deposition. Advanced Materials Interfaces, 2016, 3, 1600464.	1.9	67
4444	Molecularly Smooth Self-Assembled Monolayer for High-Mobility Organic Field-Effect Transistors. Nano Letters, 2016, 16, 6709-6715.	4.5	31
4445	The nature and implications of uniformity in the hierarchical organization of nanomaterials. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11717-11725.	3.3	75
4446	Production of highly dispersed sodium chloride: Strategy and experiment. Russian Journal of Applied Chemistry, 2016, 89, 857-864.	0.1	4
4447	Study of the helium cross-section of unsymmetric disulfide self-assembled monolayers on Au(111). Applied Surface Science, 2016, 390, 283-288.	3.1	4
4448	Curcumin-Based "Enhanced S _N Ar―Promoted Ultrafast Fluorescent Probe for Thiophenols Detection in Aqueous Solution and in Living Cells. Analytical Chemistry, 2016, 88, 10499-10503.	3.2	42

ARTICLE IF CITATIONS Differing Isomerization Kinetics of Azobenzene-Functionalized Self-Assembled Monolayers in Ambient 4449 45 1.6 Air and in Vacuum. Langmuir, 2016, 32, 10795-10801. DPPTE Thiolipid Self-Assembled Monolayer: A Critical Assay. Langmuir, 2016, 32, 11560-11572. 4450 1.6 Electrochemical Inclusion of Metallic Clusters in Organic Polymers., 2016, , 315-332. 0 4451 Controlling C₆₀ Organization through Dipole-Induced Band Alignment at Self-Assembled 4452 Monolayer Interfaces. Chemistry of Materials, 2016, 28, 8322-8329. Determining the composition of gold nanoparticles: a compilation of shapes, sizes, and calculations 4453 0.8 58 using geometric considerations. Journal of Nanoparticle Research, 2016, 18, 295. Integrated Strategy toward Self-Powering and Selectivity Tuning of Semiconductor Gas Sensors. ACS Sensors, 2016, 1, 1256-1264. 4454 4.0 A novel coelenterate luciferin-based luminescent probe for selective and sensitive detection of 4455 1.5 18 thiophenols. Organic and Biomolecular Chemistry, 2016, 14, 10267-10274. Surfaces Mimicking Glycosaminoglycans Trigger Different Response of Stem Cells via Distinct Fibronectin Adsorption and Reorganization. ACS Applied Materials & amp; Interfaces, 2016, 8, 4456 4.0 28428-28436. Using operando Microspectroscopy to Uncover the Correlations Between the Electronic Properties 4457 of Dendrimer-Encapsulated Metallic Nanoparticles and their Catalytic Reactivity in Ĩ€-Bond Activation 1.3 3 Reactions. Topics in Catalysis, 2016, 59, 1700-1711. Effects of the Molecular Structure of a Self-Assembled Monolayer on the Formation and Morphology 4460 1.6 of Surface Nanodroplets. Langmuir, 2016, 32, 11197-11202. Dielectric-Modulated Field Effect Transistors for DNA Detection: Impact of DNA Orientation. IEEE 4461 2.2 44 Electron Device Letters, 2016, 37, 1485-1488. Application of mixed self-assembled monolayers (Mixed SAMs) for nucleic acid detection. 4462 2.5 Measurement: Journal of the International Measurement Confederation, 2016, 94, 1-4. Sacrificial Self-Assembled Monolayers for the Passivation of GaAs (100) Surfaces and Interfaces. 4463 3.2 20 Chemistry of Materials, 2016, 28, 5689-5701. Electronic Processes within Quantum Dot-Molecule Complexes. Chemical Reviews, 2016, 116, 4464 23.0 276 12865-12919. Exceptional Single-Molecule Transport Properties of Ladder-Type Heteroacene Molecular Wires. 4465 6.6 76 Journal of the American Chemical Society, 2016, 138, 10630-10635. Self-Organization of Porphyrins and Phthalocyanines in Two and Three Dimensions., 2016, , 173-232. 4466 Dynamic sulfur chemistry as a key tool in the design of self-healing polymers. Smart Materials and 4467 1.8 57 Structures, 2016, 25, 084017. Structure and Modification of Electrode Materials for Protein Electrochemistry. Advances in 4468 Biochemical Engineering/Biotechnology, 2016, 158, 43-73.

#	Article	IF	CITATIONS
4469	Kinetics of self-assembled monolayer formation on individual nanoparticles. Physical Chemistry Chemical Physics, 2016, 18, 23990-23997.	1.3	16
4470	Photochemical radical thiol–ene click-based methodologies for silica and transition metal oxides materials chemical modification: a mini-review. RSC Advances, 2016, 6, 77410-77426.	1.7	44
4471	Mosaic Interdigitated Structure in Nanoparticleâ€Templated Phospholipid Bilayer Supports Partial Lipidation of Apolipoprotein Aâ€I. Particle and Particle Systems Characterization, 2016, 33, 300-305.	1.2	3
4472	Cu ⁰ and Pd ⁰ loaded Organo-Bentonites as Sponge-like Matrices for Hydrogen Reversible Capture at Ambient Conditions. ChemistrySelect, 2016, 1, 1452-1461.	0.7	16
4473	Surface Chemistry of Gold Nanorods. Langmuir, 2016, 32, 9905-9921.	1.6	156
4474	Dependence of quartz wettability on fluid density. Geophysical Research Letters, 2016, 43, 3771-3776.	1.5	88
4475	Kinetic Modulation of Outer-Sphere Electron Transfer Reactions on Graphene Electrode with a Sub-surface Metal Substrate. Electrochimica Acta, 2016, 211, 1016-1023.	2.6	37
4476	Tip-Enhanced Raman Spectroscopy. Analytical Chemistry, 2016, 88, 9328-9346.	3.2	180
4477	Computational Insight into the Covalent Organic–Inorganic Interface. Chemistry of Materials, 2016, 28, 5976-5988.	3.2	22
4478	Molecular Plasmonics: From Molecular-Scale Measurements and Control to Applications. ACS Symposium Series, 2016, , 23-52.	0.5	2
4479	Selective Adsorption of Thiols Using Gold Nanoparticles Supported on Metal Oxides. Langmuir, 2016, 32, 9197-9205.	1.6	16
4480	A co-sensitized approach to efficiently fill the absorption valley, avoid dye aggregation and reduce the charge recombination. Electrochimica Acta, 2016, 215, 506-514.	2.6	40
4481	Self-Assembly of Colloidal Nanocrystals: From Intricate Structures to Functional Materials. Chemical Reviews, 2016, 116, 11220-11289.	23.0	1,485
4482	A very fast 3-hydroxy-coumarin-based fluorescent probe for highly selective and sensitive detection of thiophenols and its application in water samples. Analytical Methods, 2016, 8, 6916-6922.	1.3	20
4483	Mixed monolayers of alkane thiols with polar terminal group on gold: Investigation of structure dependent surface properties. Journal of Colloid and Interface Science, 2016, 484, 279-290.	5.0	13
4484	The Sulfur–Fluorine <i>Gauche</i> Effect in Coinage-Metal Complexes: Augmenting Conformational Equilibria by Complexation. Organometallics, 2016, 35, 3040-3044.	1.1	13
4485	NIR laser induced TPA enhancement of Zn(II)-terpyridine capped gold nanoparticles for targeting mitochondria. Dyes and Pigments, 2016, 133, 86-92.	2.0	5
4486	Cube sugar-like sponge/polymer brush composites for portable and user-friendly heavy metal ion adsorbents. Journal of Hazardous Materials, 2016, 320, 133-142.	6.5	25

#	Article	IF	Citations
4487	Revealing the role of catechol moieties in the interactions between peptides and inorganic surfaces. Nanoscale, 2016, 8, 15309-15316.	2.8	42
4488	Lubrication of Individual Microcontacts by a Self-Assembled Alkyl Phosphonic Acid Monolayer on α-Al ₂ O ₃ (0001). Langmuir, 2016, 32, 8298-8306.	1.6	17
4489	Calixarenes and Nanoparticles. , 2016, , 941-963.		1
4490	Calixarenes and Pillarenes on Surfaces. , 2016, , 965-985.		0
4491	Calixarenes and Resorcinarenes at Interfaces. , 2016, , 987-1010.		6
4492	Quantitative Surface Coverage Measurements of Self-Assembled Monolayers by Nuclear Reaction Analysis of Carbon-12. Journal of Physical Chemistry Letters, 2016, 7, 3477-3481.	2.1	12
4493	Mussel-inspired polydopamine for bio-surface functionalization. Biosurface and Biotribology, 2016, 2, 121-136.	0.6	283
4494	From Au–Thiolate Chains to Thioether Sierpiński Triangles: The Versatile Surface Chemistry of 1,3,5-Tris(4-mercaptophenyl)benzene on Au(111). ACS Nano, 2016, 10, 10901-10911.	7.3	47
4495	Nanolaminated composite materials: structure, interface role and applications. RSC Advances, 2016, 6, 109361-109385.	1.7	50
4496	Laccase immobilized on a mixed thiol monolayer on Au(111) – structure-dependent activity towards oxygen reduction. Electrochimica Acta, 2016, 213, 761-770.	2.6	10
4497	Transfer-Free Growth of Multilayer Graphene Using Self-Assembled Monolayers. ACS Applied Materials & Interfaces, 2016, 8, 27115-27121.	4.0	24
4498	Integrated Nanoelectronics. Nanoscience and Technology, 2016, , .	1.5	18
4499	Ion Pairing as the Main Pathway for Reducing Electrostatic Repulsion among Organothiolate Self-assembled on Gold Nanoparticles in Water. Journal of Physical Chemistry C, 2016, 120, 19878-19884.	1.5	5
4500	Precisely Controlled 2D Freeâ€Floating Nanosheets of Amphiphilic Molecules through Frameâ€Guided Assembly. Advanced Materials, 2016, 28, 9819-9823.	11.1	59
4501	Controlled Modification of Polymer Surfaces through Grafting of Calix[4]arene-Tetradiazoate Salts. Journal of Physical Chemistry C, 2016, 120, 22936-22945.	1.5	28
4502	Interplay between Vacuum-Grown Monolayers of Alkylphosphonic Acids and the Performance of Organic Transistors Based on Dinaphtho[2,3- <i>b</i> :2′,3′- <i>f</i>]thieno[3,2- <i>b</i>]thiophene. ACS Applied Materials & Interfaces, 2016, 8, 25405-25414.	4.0	16
4503	Recent advances in electrospun metal-oxide nanofiber based interfaces for electrochemical biosensing. RSC Advances, 2016, 6, 94595-94616.	1.7	116
4504	Substrate induced morphology in a hydrosulfide-molybdenum complex. New Journal of Chemistry, 2016, 40, 8905-8910.	1.4	1

#	Article	IF	CITATIONS
4506	Photocontrolled Onâ€ 5 urface Pseudorotaxane Formation with Wellâ€Ordered Macrocycle Multilayers. Chemistry - A European Journal, 2016, 22, 14383-14389.	1.7	14
4507	Bottom-up Nanofabrication. Nanoscience and Technology, 2016, , 397-417.	1.5	2
4508	Electrodeposition of polyaniline on self-assembled monolayers on graphite for the voltammetric detection of iron(II). Materials Chemistry and Physics, 2016, 184, 261-268.	2.0	11
4509	Composites based on liquid-crystalline polymers with terminal functional groups and inorganic nanoparticles. Polymer Science - Series C, 2016, 58, 102-117.	0.8	6
4510	Laser-synthesized ligand-free Au nanoparticles for contrast agent applications in computed tomography and magnetic resonance imaging. Journal of Materials Chemistry B, 2016, 4, 6413-6427.	2.9	12
4511	Structuralâ€Engineering Rationales of Gold Nanoparticles for Cancer Theranostics. Advanced Materials, 2016, 28, 8567-8585.	11.1	111
4512	Thermal Healing of the Nanometer-Wide Lines of Self-Assembled Monolayer. Journal of Physical Chemistry C, 2016, 120, 15509-15513.	1.5	5
4513	Ligand Layer Engineering To Control Stability and Interfacial Properties of Nanoparticles. Langmuir, 2016, 32, 7897-7907.	1.6	31
4514	Microgel Surface Modification with Self-Assembling Peptides. Macromolecules, 2016, 49, 5366-5373.	2.2	12
4515	Potentialâ€Pulseâ€Assisted Formation of Thiol Monolayers within Minutes for Fast and Controlled Electrode Surface Modification. ChemElectroChem, 2016, 3, 1484-1489.	1.7	21
4516	"Janus―Calixarenes: Double-Sided Molecular Linkers for Facile, Multianchor Point, Multifunctional, Surface Modification. Langmuir, 2016, 32, 7806-7813.	1.6	21
4517	Scalable physical coloration. Materials Research Bulletin, 2016, 83, 556-562.	2.7	7
4518	Quantitative Determination and Comparison of the Surface Binding of Phosphonic Acid, Carboxylic Acid, and Catechol Ligands on TiO ₂ Nanoparticles. Chemistry - A European Journal, 2016, 22, 13506-13512.	1.7	63
4519	A combined top-down/bottom-up approach to structuring multi-sensing zones on a thin film and the application to SPR sensors. Nanotechnology, 2016, 27, 345302.	1.3	4
4520	Empirical Evidence for Roughness-Dependent Limit in Observation of Odd–Even Effect in Wetting Properties of Polar Liquids on <i>n</i> -Alkanethiolate Self-Assembled Monolayers. Langmuir, 2016, 32, 8230-8237.	1.6	30
4521	Localized Electrochemistry for Studying Functional Carbon Surfaces. Electroanalysis, 2016, 28, 2680-2687.	1.5	5
4522	Molecular Bending at the Nanoscale Evidenced by Tip-Enhanced Raman Spectroscopy in Tunneling Mode on Thiol Self-Assembled Monolayers. Journal of Physical Chemistry C, 2016, 120, 18209-18219.	1.5	21
4523	Surface functionalization with redox active molecule-based imidazolium via click chemistry. Electrochemistry Communications, 2016, 70, 13-17.	2.3	8

#	Article	IF	CITATIONS
4524	Robust Maleimide-Functionalized Gold Surfaces and Nanoparticles Generated Using Custom-Designed Bidentate Adsorbates. Langmuir, 2016, 32, 7306-7315.	1.6	9
4525	Toward interfacing organic semiconductors with ferromagnetic transition metal substrates: enhanced stability via carboxylate anchoring. Chemical Communications, 2016, 52, 9805-9808.	2.2	13
4526	An ultrasensitive electrochemical genosensor for Brucella based on palladium nanoparticles. Analytical Biochemistry, 2016, 510, 11-17.	1.1	46
4527	Electroâ€assisted Deposition of Binary Selfâ€Assembled 1,2â€Dithiolane Monolayers on Gold with Predictable Composition. ChemElectroChem, 2016, 3, 1422-1428.	1.7	9
4528	Ultrashort, Angstrom-Scale Decay of Surface-Enhanced Raman Scattering at Hot Spots. Journal of Physical Chemistry C, 2016, 120, 24973-24981.	1.5	14
4529	Harnessing Nanoscale Physics for Next-Generation Electronic Medical Devices. , 2016, , 491-509.		0
4530	Plant Nanotechnology: An Overview on Concepts, Strategies, and Tools. , 2016, , 1-14.		15
4531	Self-Assembled Monolayers of Pseudo- <i>C</i> _{2<i>v</i>} -Symmetric, Low-Band-Gap Areneoxazolethiolates on Gold Surfaces. Langmuir, 2016, 32, 11474-11484.	1.6	12
4532	Adhesion of Morphologically Distinct Crystals to and Selective Release from Elastomeric Surfaces. Chemistry of Materials, 2016, 28, 8513-8522.	3.2	4
4533	Mechanism of Temperature Dependent Thermal Transport across the Interface between Self-Assembled Monolayer and Water. Journal of Physical Chemistry C, 2016, 120, 26678-26685.	1.5	40
4534	Light-Induced Conversion of Chemical Permeability to Enhance Electron and Molecular Transfer in Nanoscale Assemblies. Journal of the American Chemical Society, 2016, 138, 16398-16406.	6.6	16
4535	Dipolar molecules inside C ₇₀ : an electric field-driven room-temperature single-molecule switch. Physical Chemistry Chemical Physics, 2016, 18, 32673-32677.	1.3	49
4536	Cooperative Effects of Confinement and Surface Functionalization Enable the Formation of Au/Cu ₂ O Metal–Semiconductor Heterostructures. Crystal Growth and Design, 2016, 16, 6804-6811.	1.4	9
4537	Enhancement of Cell Adhesion on a Phosphorylcholine-Based Surface through the Interaction with DNA Mediated by Ca ²⁺ Ions. Journal of Physical Chemistry B, 2016, 120, 12272-12278.	1.2	2
4538	Electric Field Modulation of Silicon upon Tethering of Highly Charged Nucleic Acids. Capacitive Studies on DNAâ€modified Silicon (111). Electroanalysis, 2016, 28, 2367-2372.	1.5	0
4539	Diamondoid-based molecular junctions: a computational study. Nanotechnology, 2016, 27, 485207.	1.3	1
4540	Selective Deposition of Dielectrics: Limits and Advantages of Alkanethiol Blocking Agents on Metal–Dielectric Patterns. ACS Applied Materials & Interfaces, 2016, 8, 33264-33272.	4.0	82
4541	Peroxidase-like properties of Ruthenium nanoframes. Science Bulletin, 2016, 61, 1739-1745.	4.3	45

#	Article	IF	CITATIONS
4542	Bifunctional bridging linker-assisted synthesis and characterization of TiO2/Au nanocomposites. Journal of Nanoparticle Research, 2016, 18, 1.	0.8	1
4543	Dipole Moment Effect on the Electrochemical Desorption of Selfâ€Assembled Monolayers of 3 ₁₀ â€Helicogenic Peptides on Gold. ChemElectroChem, 2016, 3, 2063-2070.	1.7	10
4544	Nanoscale Study of the Tarnishing Process in Electron Beam Lithography-Fabricated Silver Nanoparticles for Plasmonic Applications. Journal of Physical Chemistry C, 2016, 120, 24314-24323.	1.5	49
4545	Adhesion lithography to fabricate MoS <inf>2</inf> FETs with self-assembled monolayer-based gate dielectrics. , 2016, , .		5
4546	Modeling of SAM Impedance Onto Gold and Silver Thin-Film Mass-Produced Electrodes and Their Use for Optimization of Lactic Acid Detection. IEEE Transactions on Nanobioscience, 2016, 15, 756-764.	2.2	6
4547	Vapor-Phase Carbenylation of Hard and Soft Material Interfaces. Langmuir, 2016, 32, 11386-11394.	1.6	11
4548	Hexadecapolar colloids. Nature Communications, 2016, 7, 10659.	5.8	43
4549	Thermally-nucleated self-assembly of water and alcohol into stable structures at hydrophobic interfaces. Nature Communications, 2016, 7, 13064.	5.8	33
4550	- Switching Mechanisms in Molecular Switches. , 2016, , 278-313.		0
4551	- Interference Effects in Single-Molecule Transport. , 2016, , 356-385.		0
4552	- Vibrational Excitations in Single-Molecule Junctions. , 2016, , 170-219.		0
4553	Water condensation on ultrahydrophobic flexible micro pillar surface. Europhysics Letters, 2016, 114, 36002.	0.7	4
4554	Promoted Exchange Reaction between Alkanethiolate Self-Assembled Monolayers and an Azide-Bearing Substituent. Journal of Physical Chemistry C, 2016, 120, 25967-25976.	1.5	14
4555	Concentration-Dependent Association between Weakly Attractive Nanoparticles in Aqueous Solutions. Journal of Physical Chemistry C, 2016, 120, 19830-19836.	1.5	6
4556	A remote-controlled generation of gold@polydopamine (core@shell) nanoparticles via physical-chemical stimuli of polydopamine/gold composites. Scientific Reports, 2016, 6, 22650.	1.6	28
4557	Hexagons to Ribbons: Flipping Cyanide on Au{111}. Journal of the American Chemical Society, 2016, 138, 15580-15586.	6.6	7
4558	High-throughput fabrication and calibration of compact high-sensitivity plasmonic lab-on-chip for biosensing. Optofluidics, Microfluidics and Nanofluidics, 2016, 3, .	0.5	7
4559	Conformational Changes of Enzymes and Aptamers Immobilized on Electrodes. Bioconjugate Chemistry, 2016, 27, 2581-2591.	1.8	32

#	Article	IF	CITATIONS
4560	Multiscale conformal pattern transfer. Scientific Reports, 2016, 6, 28490.	1.6	8
4562	Highâ€Density Liquidâ€Crystalline Polymer Brushes Formed by Surface Segregation and Selfâ€Assembly. Angewandte Chemie, 2016, 128, 14234-14238.	1.6	5
4563	A Selective Nearâ€Infrared Fluorescent Probe for In Vivo Imaging of Thiophenols from a Focused Library. Chemistry - an Asian Journal, 2016, 11, 3575-3582.	1.7	31
4564	Simple direct formation of self-assembled N-heterocyclic carbene monolayers on gold and their application in biosensing. Nature Communications, 2016, 7, 12654.	5.8	171
4566	Nanostructured self assembled monolayers on magnesium for improved biological performance. Materials Technology, 2016, 31, 818-827.	1.5	31
4567	Surface Structure and Electron Transfer Dynamics of the Self-Assembly of Cyanide on Au{111}. Journal of Physical Chemistry C, 2016, 120, 26736-26746.	1.5	17
4568	Competition between Two High-Density Assemblies of Poly(phenyl)thiols on Au(111). Journal of Physical Chemistry C, 2016, 120, 25462-25472.	1.5	19
4569	Spectroscopic Identification of the Au–C Bond Formation upon Electroreduction of an Aryl Diazonium Salt on Gold. Langmuir, 2016, 32, 11514-11519.	1.6	14
4570	Metal-Based Nanomaterials for Nanozymes. Springer Briefs in Molecular Science, 2016, , 31-55.	0.1	3
4571	Substrate-Mediated Gene Delivery. , 2016, , 219-260.		3
4573	Gold Nanoparticle Monolayers from Sequential Interfacial Ligand Exchange and Migration in a Three-Phase System. Scientific Reports, 2016, 6, 35339.	1.6	26
4574	Approaching the size limit of organometallic layers: synthesis and characterization of highly ordered silver–thiolate lamellae with ultra-short chain lengths. Dalton Transactions, 2016, 45, 18954-18966.	1.6	16
4575	Self-assembled monolayer formation of a (N ₅)Fe(<scp>ii</scp>) complex on gold electrodes: electrochemical properties and coordination chemistry on a surface. Dalton Transactions, 2016, 45, 19053-19061.	1.6	1
4576	Gold nanoparticle superlattices: structure and cavities studied by GISAXS and PALS. RSC Advances, 2016, 6, 113163-113172.	1.7	13
4577	Formation and stability of porphyrin and phthalocyanine self-assembled monolayers on ZnO surfaces. Journal of Porphyrins and Phthalocyanines, 2016, 20, 1264-1271.	0.4	5
4578	Fundamentals of Nanoscience (andÂNanotechnology). , 2016, , 15-29.		11
4579	Surface properties of substituted-benzenethiol monolayers on gold and silver: Work function, wettability, and surface tension. Japanese Journal of Applied Physics, 2016, 55, 03DD02.	0.8	20
4580	Utilizing self-assembled-monolayer-based gate dielectrics to fabricate molybdenum disulfide field-effect transistors. Applied Physics Letters, 2016, 108, .	1.5	30

#	Article	IF	CITATIONS
4581	Ru(III)-catalyzed oxidation of N-acetyl-L-cysteine by methylene blue in absence and in presence of Cu(II) in acidic medium: influence of solvent and morphology. Journal of Sulfur Chemistry, 2016, 37, 450-465.	1.0	1
4582	<scp>C</scp> ell shape and the presentation of adhesion ligands guide smooth muscle myogenesis. Journal of Biomedical Materials Research - Part A, 2016, 104, 1212-1220.	2.1	20
4583	Noncovalent Selfâ€Assembled Monolayers on Graphene as a Highly Stable Platform for Molecular Tunnel Junctions. Advanced Materials, 2016, 28, 631-639.	11.1	48
4584	Selfassembly of α,ï‰â€dithiols on surfaces and metal dithiol heterostructures. Annalen Der Physik, 2016, 528, 242-263.	0.9	29
4585	Switchable Hydrophobic Valve for Controlled Microfluidic Processing. ChemPhysChem, 2016, 17, 817-821.	1.0	20
4586	Solvent-induced desorption of alkanethiol ligands from Au nanoparticles. Physical Chemistry Chemical Physics, 2016, 18, 15927-15933.	1.3	6
4587	Nanometer-Thick Gold on Silicon as a Proxy for Single-Crystal Gold for the Electrodeposition of Epitaxial Cuprous Oxide Thin Films. ACS Applied Materials & Interfaces, 2016, 8, 15828-15837.	4.0	24
4588	Comparative electrochemical study of self-assembly of octanethiol from aqueous and aqueous ethanol solutions on a gold electrode. Russian Journal of Electrochemistry, 2016, 52, 260-267.	0.3	5
4589	A rapid and highly sensitive fluorescent imaging materials for thiophenols. Dyes and Pigments, 2016, 133, 248-254.	2.0	33
4590	Specific Neuron Placement on Gold and Silicon Nitride-Patterned Substrates through a Two-Step Functionalization Method. Langmuir, 2016, 32, 6319-6327.	1.6	17
4591	Effect of immersion temperature on structure of the self-assembled monolayer of 1,2-diphenyldiselenide on gold surface. Materials Chemistry and Physics, 2016, 180, 432-439.	2.0	16
4592	Guided Cellular Responses by Surface Cues for Nanomedicine Applications. Advances in Delivery Science and Technology, 2016, , 343-372.	0.4	1
4593	Control of the Redox Activity of PbS Quantum Dots by Tuning Electrostatic Interactions at the Quantum Dot/Solvent Interface. Journal of the American Chemical Society, 2016, 138, 8847-8854.	6.6	29
4594	Electrochemical nucleic acid biosensors: from fabrication to application. Analytical Methods, 2016, 8, 5169-5189.	1.3	16
4595	Detection of influenza virus by a biosensor based on the method combining electrochemiluminescence on binary SAMs modified Au electrode with an immunoliposome encapsulating Ru (II) complex. Analytical and Bioanalytical Chemistry, 2016, 408, 5963-5971.	1.9	20
4596	A pH-Resolved View of the Low Salinity Effect in Sandstone Reservoirs. Energy & Fuels, 2016, 30, 5346-5354.	2.5	23
4597	Magnetic Nanoparticles. SpringerBriefs in Applied Sciences and Technology, 2016, , 31-68.	0.2	1
4598	Advantages and limitations of nanoparticle labeling for early diagnosis of infection. Expert Review of Molecular Diagnostics, 2016, 16, 883-895.	1.5	16

#	Article	IF	CITATIONS
4599	Cyanine IR-780 for distinguishing 2-amino thiophenols from position isomers. Dyes and Pigments, 2016, 131, 84-90.	2.0	17
4600	Structural Characterization of Alkylsilane and Fluoroalkylsilane Self-Assembled Monolayers on SiO ₂ by Molecular Dynamics Simulations. Journal of Physical Chemistry C, 2016, 120, 14652-14662.	1.5	42
4601	Electro-Assisted Deposition of Calcium Phosphate on Self-Assembled Monolayers. Electrochimica Acta, 2016, 206, 400-408.	2.6	12
4602	Alkyl-Based Surfactants at a Liquid Mercury Surface: Computer Simulation of Structure, Self-Assembly, and Phase Behavior. Journal of Physical Chemistry Letters, 2016, 7, 1546-1553.	2.1	6
4603	Green synthesis of a benzothiazole based â€~turn-on' type fluorimetric probe and its use for the selective detection of thiophenols in environmental samples and living cells. RSC Advances, 2016, 6, 52790-52797.	1.7	25
4604	The long-range effect induced by untying hydrogen bonds for single cell test using SECM. Electrochimica Acta, 2016, 207, 135-142.	2.6	12
4605	Controlled growth of a metal–organic framework on gold nanoparticles. CrystEngComm, 2016, 18, 5262-5266.	1.3	23
4606	Antibody-based magneto-elastic biosensors: potential devices for detection of pathogens and associated toxins. Applied Microbiology and Biotechnology, 2016, 100, 6149-6163.	1.7	24
4607	Structural trapping capacity of oil-wet caprock as a function of pressure, temperature and salinity. International Journal of Greenhouse Gas Control, 2016, 50, 112-120.	2.3	84
4608	Understanding the effect of hydrophobic protecting blocks on the stability and biopassivity of polymer brushes in aqueous environments: A TiramisÃ ¹ for cell-culture applications. Polymer, 2016, 98, 470-480.	1.8	33
4609	Glycoprotein assay based on the optimized immittance signal of a redox tagged and lectin-based receptive interface. Biosensors and Bioelectronics, 2016, 83, 368-378.	5.3	15
4610	The interaction of sodium mercaptobenzothiazole with gold electrode and nanorod surfaces. Minerals Engineering, 2016, 96-97, 135-142.	1.8	8
4611	Comparison of Zirconium Phosphonate-Modified Surfaces for Immobilizing Phosphopeptides and Phosphate-Tagged Proteins. Langmuir, 2016, 32, 5480-5490.	1.6	2
4612	Entropy-Driven Conformational Control of α,ï‰-Difunctional Bidentate-Dithiol Azo-Based Adsorbates Enables the Fabrication of Thermally Stable Surface-Grafted Polymer Films. ACS Applied Materials & Interfaces, 2016, 8, 15691-15699.	4.0	6
4613	Structural Studies of Supramolecular G-Quadruplexes Formed from 8-Aryl-2′-deoxyguanosine Derivatives. Journal of Organic Chemistry, 2016, 81, 6026-6035.	1.7	10
4614	AFM Study of Surface Nanobubbles on Binary Self-Assembled Monolayers on Ultraflat Gold with Identical Macroscopic Static Water Contact Angles and Different Terminal Functional Groups. Langmuir, 2016, 32, 11172-11178.	1.6	12
4615	Optimized Model Surfaces for Advanced Atomic Force Microscopy Studies of Surface Nanobubbles. Langmuir, 2016, 32, 11179-11187.	1.6	8
4616	Introduction to Nanotheranostics. SpringerBriefs in Applied Sciences and Technology, 2016, , .	0.2	5

#	Article	IF	CITATIONS
4617	Surface Initiated Immobilization of Molecules Contained in an Ionic Liquid Framework. Analytical Chemistry, 2016, 88, 1017-1021.	3.2	12
4618	Online Monitoring of Superoxide Anions Released from Skeletal Muscle Cells Using an Electrochemical Biosensor Based on Thick-Film Nanoporous Gold. ACS Sensors, 2016, 1, 921-928.	4.0	27
4619	Could Atomic-Force Microscopy Force Mapping Be a Fast Alternative to Core-Plug Tests for Optimizing Injection-Water Salinity for Enhanced Oil Recovery in Sandstone?. SPE Journal, 2016, 21, 0720-0729.	1.7	17
4620	Characterisation of gold catalysts. Chemical Society Reviews, 2016, 45, 4953-4994.	18.7	140
4621	Effect of Immobilized Thiolated Glycosaminoglycans on Fibronectin Adsorption and Behavior of Fibroblasts. Macromolecular Bioscience, 2016, 16, 381-394.	2.1	13
4622	Resolving the complex structure of molecular networks. Nanotechnology, 2016, 27, 032502.	1.3	0
4623	Catalyst Site Selection via Control over Noncovalent Interactions in Self-Assembled Monolayers. ACS Catalysis, 2016, 6, 5086-5094.	5.5	44
4624	Ordering and defects in self-assembled monolayers on nanoporous gold. Applied Surface Science, 2016, 387, 503-512.	3.1	17
4625	Ti-MIL-125-NH ₂ membrane grown on a TiO ₂ disc by combined microwave/ultrasonic heating: facile synthesis for catalytic application. RSC Advances, 2016, 6, 63286-63290.	1.7	13
4626	A study on the differences in morphology and corrosion resistance performance between two different bis(2-ethylhexyl) phosphate self-assembled thin films prepared on an iron substrate in water and ethanol solvents. RSC Advances, 2016, 6, 55936-55945.	1.7	19
4627	Hybrid Organic/Photochromic Approaches to Generate Multifunctional Materials, Interfaces, and Devices. , 2016, , 243-280.		0
4628	Improvement of Biological Organisms Using Functional Material Shells. Advanced Functional Materials, 2016, 26, 1862-1880.	7.8	81
4629	Vaporâ€Phase Deposited Ultrathin Polymer Gate Dielectrics for Highâ€Performance Organic Thin Film Transistors. Advanced Electronic Materials, 2016, 2, 1500209.	2.6	34
4630	Synthesis and Covalent Grafting of Tripodâ€Shaped Oligo(p â€phenylene)s End apped with Azide Groups. Asian Journal of Organic Chemistry, 2016, 5, 550-559.	1.3	5
4631	Highâ€Level Incorporation of Silver in Gold Nanoclusters: Fluorescence Redshift upon Interaction with Hydrogen Peroxide and Fluorescence Enhancement with Herbicide. Chemistry - A European Journal, 2016, 22, 1675-1681.	1.7	18
4632	A study of copper corrosion inhibition by self-assembled films of 3-mercapto-1H-1,2,4-triazole. Research on Chemical Intermediates, 2016, 42, 1809-1821.	1.3	16
4633	Surface Organization of Polyoxometalate Hybrids Steered by a 2D Supramolecular PTCDI/Melamine Network. Journal of Physical Chemistry C, 2016, 120, 2837-2845.	1.5	30
4634	Lipid dip-pen nanolithography on self-assembled monolayers. Journal of Micromechanics and Microengineering, 2016, 26, 025016.	1.5	19

ARTICLE IF CITATIONS Peptide interfaces with graphene: an emerging intersection of analytical chemistry, theory, and 4635 1.9 25 materials. Analytical and Bioanalytical Chemistry, 2016, 408, 2649-2658. Heterogeneous surfaces to repel proteins. Advances in Colloid and Interface Science, 2016, 228, 40-54. 23 Density functional theory study of NEXAFS spectra of 4-methylbenzenethiol molecule. Chemical 4637 1.2 10 Physics Letters, 2016, 645, 164-168. Engineered Chimeric Peptides as Antimicrobial Surface Coating Agents toward Infection-Free Implants. 4.0 143 ACS Applied Materials & amp; Interfaces, 2016, 8, 5070-5081. Revealing Intermolecular Interaction and Surface Restructuring of an Aromatic Thiol Assembling on 4639 3.2 40 Au(111) by Tip-Enhanced Raman Spectroscopy. Analytical Chemistry, 2016, 88, 915-921. Moving Forward: Expected Opportunities for the Development of New Therapeutic Agents Based on Nanotechnologies. , 2016, , 295-322. 4640 Impedance Biosensor Incorporating a Carboxylate-Terminated Bidentate Thiol for Antibody 4641 1.3 13 Immobilization. Journal of the Electrochemical Society, 2016, 163, B125-B130. DNA templated self-assembly of gold nanoparticle clusters in the colorimetric detection of plant viral DNA using a gold nanoparticle conjugated bifunctional oligonucleotide probe. RSC Advances, 4642 1.7 2016, 6, 11773-11785. Ammonium tetrathiomolybdate as a novel electrode material for convenient tuning of the kinetics of 4643 electrochemical O₂ reduction by using ironâ€"porphyrin catalysts. Journal of Materials 5.2 13 Chemistry A, 2016, 4, 6819-6823. Ligand-Mediated Interactions between Nanoscale Surfaces Depend Sensitively and Nonlinearly on 4644 7.3 Temperature, Facet Dimensions, and Ligand Coverage. ACS Nano, 2016, 10, 1877-1887. An excited-state intramolecular proton transfer-based probe for the discrimination of thiophenols 4645 1.3 14 over aliphatic thiols. Analytical Methods, 2016, 8, 1425-1430. Charge-transfer dynamics in azobenzene alkanethiolate self-assembled monolayers on gold. Surface 4646 0.8 Science, 2016, 643, 183-189. Effects of nanocarbon on the hydraulic parameters and the solute transport process for disturbed 4647 0.6 21 loessial soil. Arabian Journal of Geosciences, 2016, 9, 1. Efficient and synergetic DNA delivery with pyridinium amphiphiles–gold nanoparticle composite 4648 2.2 systems having different packing parameters. Chemical Communications, 2016, 52, 60-63. A novel and facile strategy to inhibit corrosion: thiol-click synthesis of polythiols and their skinning 4649 1.9 6 on a metal surface to form super thick protective films. Polymer Chemistry, 2016, 7, 625-632. Detailed dynamic rheological studies of multiwall carbon nanotube-reinforced acrylonitrile butadiene styrene composite. Journal of Materials Science, 2016, 51, 2643-2652. Iron–sulfur-based single molecular wires for enhancing charge transport in enzyme-based 4651 5.315 bioelectronic systems. Biosensors and Bioelectronics, 2016, 78, 477-482. Surface Structure and Chemistry of Alkanethiols on Au(100)- $(1 \tilde{A} - 1)$ Substrates. Journal of Physical 1.5 28 Chemistry C, 2016, 120, 291-296.

	CITATION R	EPORT	
#	ARTICLE	IF	CITATIONS
4653	Thermal curing of a self-assembled monolayer at the nanoscale. Nanoscale, 2016, 8, 1133-1139.	2.8	7
4654	Multipulse and Sweep Voltammetries II. Monographs in Electrochemistry, 2016, , 375-462.	0.2	0
4655	Gold nanoparticles-decorated fluoroalkylsilane nano-assemblies for electrocatalytic applications. Applied Surface Science, 2016, 362, 42-48.	3.1	4
4656	Molecular Occupancy of Nanodot Arrays. ACS Nano, 2016, 10, 4173-4183.	7.3	26
4657	Poly(3-hexylthiophene) End-Functionalization via Quenching Resulting in Heteroatom-Bond Formation. Australian Journal of Chemistry, 2016, 69, 701.	0.5	3
4658	Thermoresponsive Assembly of Gold Nanoparticles Coated with Oligo(Ethylene Glycol) Ligands with an Alkyl Head. Journal of Physical Chemistry C, 2016, 120, 15846-15854.	1.5	25
4659	Studying the kinetics of thiols' self-assembled monolayer formation in microfluidic channels. Particulate Science and Technology, 2016, 34, 397-406.	1.1	1
4660	Thermal stability of self-assembled surfaces and micropatterns made of ladder polysilsesquioxanes. Polymer, 2016, 90, 147-155.	1.8	9
4661	Sitting Phases of Polymerizable Amphiphiles for Controlled Functionalization of Layered Materials. Journal of the American Chemical Society, 2016, 138, 4448-4457.	6.6	41
4662	Long-Range Surface Plasmon With Graphene for Enhancing the Sensitivity and Detection Accuracy of Biosensor. IEEE Photonics Journal, 2016, 8, 1-9.	1.0	41
4663	Preparation and applications of self-assembled natural and synthetic nanostructures. , 2016, , 29-55.		6
4664	Local desorption of thiols by scanning electrochemical microscopy: patterning and tuning the reactivity of self-assembled monolayers. Journal of Solid State Electrochemistry, 2016, 20, 1037-1042.	1.2	3
4665	Physicalâ€Organic Chemistry: A Swiss Army Knife. Israel Journal of Chemistry, 2016, 56, 66-82.	1.0	20
4666	In Situ Observation of a Self-Assembled Monolayer Formation of Octadecyltrimethoxysilane on a Silicon Oxide Surface Using a High-Speed Atomic Force Microscope. Journal of Physical Chemistry C, 2016, 120, 2807-2813.	1.5	18
4667	Enhancement of the anti-corrosion efficient of hybrid nanostructure coating using copper phthalocyanine self-assembled monolayers. Protection of Metals and Physical Chemistry of Surfaces, 2016, 52, 149-155.	0.3	10
4668	Self-assembly of crystalline nanotubes from monodisperse amphiphilic diblock copolypeptoid tiles. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 3954-3959.	3.3	114
4669	A naphthalene-based two-photon fluorescent probe for selective and sensitive detection of thiophenols. Sensors and Actuators B: Chemical, 2016, 229, 434-440.	4.0	56
4670	Optical Absorption Spectroscopy at Interfaces. Lecture Notes in Physics, 2016, , 459-490.	0.3	14

#	Article	IF	CITATIONS
4671	Doping Silver Increases the Au ₃₈ (SR) ₂₄ Cluster Surface Flexibility. Journal of Physical Chemistry C, 2016, 120, 4660-4666.	1.5	53
4672	Statistical investigation of the length-dependent deviations in the electrical characteristics of molecular electronic junctions fabricated using the direct metal transfer method. Journal of Physics Condensed Matter, 2016, 28, 094003.	0.7	7
4673	Orbital dependent ultrafast charge transfer dynamics of ferrocenyl-functionalized SAMs on gold studied by core-hole clock spectroscopy. Journal of Physics Condensed Matter, 2016, 28, 094006.	0.7	9
4674	Solid-phase synthesis of imprinted nanoparticles grafted on gold substrates for voltammetric sensing of 4-ethylphenol. Sensors and Actuators B: Chemical, 2016, 236, 839-848.	4.0	19
4675	Understanding Chemical versus Electrostatic Shifts in X-ray Photoelectron Spectra of Organic Self-Assembled Monolayers. Journal of Physical Chemistry C, 2016, 120, 3428-3437.	1.5	125
4676	Probing the Chemistry of Alumina Atomic Layer Deposition Using <i>Operando</i> Surface-Enhanced Raman Spectroscopy. Journal of Physical Chemistry C, 2016, 120, 3822-3833.	1.5	28
4677	Stability of Chemically Passivated Silicon Electrodes in Aqueous Solutions: Interplay between Bias Voltage and Hydration of the Electrolyte. Journal of Physical Chemistry C, 2016, 120, 15941-15948.	1.5	15
4678	Self-assembled monolayers based spintronics: from ferromagnetic surface functionalization to spin-dependent transport. Journal of Physics Condensed Matter, 2016, 28, 094010.	0.7	4
4679	A metal-responsive interdigitated bilayer for selective quantification of mercury(<scp>ii</scp>) traces by surface plasmon resonance. Analyst, The, 2016, 141, 1912-1917.	1.7	9
4680	Fundamental aspects in surface self-assembly: theoretical implications of molecular polarity and shape. Physical Chemistry Chemical Physics, 2016, 18, 6498-6508.	1.3	1
4681	Kinetics of Nanoscale Self-Assembly Measured on Liquid Drops by Macroscopic Optical Tensiometry: From Mercury to Water and Fluorocarbons. Journal of the American Chemical Society, 2016, 138, 2585-2591.	6.6	5
4682	A comparative study of the photochromic compounds incorporated on the surface of nanoparticles. Journal of Molecular Liquids, 2016, 216, 552-564.	2.3	22
4683	Competitive Adsorption of Xanthates with Different Chain Lengths on Chalcopyrite Particles. Industrial & Engineering Chemistry Research, 2016, 55, 1461-1468.	1.8	6
4684	Surface plasmon resonance for characterization of large-area atomic-layer graphene film. Optica, 2016, 3, 151.	4.8	80
4685	Biomolecule–nanoparticle interactions: Elucidation of the thermodynamics by isothermal titration calorimetry. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 945-956.	1.1	92
4686	Nanostructures of 3-aminopropyltriethoxysilane created on flat substrate by combining colloid lithography and vapor deposition. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 495, 39-45.	2.3	5
4687	Structural Changes of 4,4′-(Dithiodibutylene)dipyridine SAM on a Au(111) Electrode with Applied Potential and Solution pH and Influence of Alkyl Chain Length of Pyridine-Terminated Thiolate SAMs on Cytochrome <i>c</i> Electrochemistry. Journal of Physical Chemistry C, 2016, 120, 15803-15813.	1.5	14
4688	Control of the Redox Activity of Quantum Dots through Introduction of Fluoroalkanethiolates into Their Ligand Shells. Journal of the American Chemical Society, 2016, 138, 2319-2326.	6.6	36

#	Article	IF	Citations
4689	Dynamics of intramolecular spin exchange interaction of a nitronyl nitroxide diradical in solution and on surfaces. Nanoscale, 2016, 8, 5049-5058.	2.8	17
4690	A review on the importance of surface coating of micro/nano-mold in micro/nano-molding processes. Journal of Micromechanics and Microengineering, 2016, 26, 013002.	1.5	63
4691	Radiopharmaceuticals for Therapy. , 2016, , .		42
4692	Assembly of designed protein scaffolds into monolayers for nanoparticle patterning. Colloids and Surfaces B: Biointerfaces, 2016, 141, 93-101.	2.5	14
4693	Advancements of vertically aligned liquid crystal displays. Micron, 2016, 81, 34-47.	1.1	20
4694	An In-Depth Study of Redox-Induced Conformational Changes in Charge Transport Characteristics of a Ferrocene-Alkanethiolate Molecular Electronic Junction: Temperature-Dependent Transition Voltage Spectroscopy Analysis. Journal of Physical Chemistry C, 2016, 120, 3564-3572.	1.5	20
4695	Molecular surface functionalization to enhance the power output of triboelectric nanogenerators. Journal of Materials Chemistry A, 2016, 4, 3728-3734.	5.2	257
4696	Eicosyl ammoniums elicited thermal reduction alleyway towards gold nanoparticles and their chemo-sensor aptitude. Analyst, The, 2016, 141, 2208-2217.	1.7	5
4697	Size controllable redispersion of sintered Au nanoparticles by using iodohydrocarbon and its implications. Chemical Science, 2016, 7, 3181-3187.	3.7	46
4698	Adsorption Studies of Organophosphonic Acids on Differently Activated Gold Surfaces. Langmuir, 2016, 32, 1550-1559.	1.6	12
4699	⁶⁴ Cu-Doped PdCu@Au Tripods: A Multifunctional Nanomaterial for Positron Emission Tomography and Image-Guided Photothermal Cancer Treatment. ACS Nano, 2016, 10, 3121-3131.	7.3	96
4700	Chemical modification of gold electrodes via non-covalent interactions. Inorganic Chemistry Frontiers, 2016, 3, 836-841.	3.0	18
4701	Electrodeposition of gold templated by patterned thiol monolayers. Applied Surface Science, 2016, 373, 51-60.	3.1	21
4702	Electrostatic Titrations Reveal Surface Compositions of Mixed, On-Nanoparticle Monolayers Comprising Positively and Negatively Charged Ligands. Journal of Physical Chemistry C, 2016, 120, 4139-4144.	1.5	28
4703	Efficient Synthesis of (<i>S</i>)-(+)-Clopidogrel Bisulfate-Capped Silver Nanoparticles. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2016, 46, 1552-1557.	0.6	8
4704	Capacitance Behavior of Alkanethiol Self-Assembled Monolayer Studied by Scanning Tunneling Microscope Light Emission Spectroscopy. Transactions of the Indian Institute of Metals, 2016, 69, 1579-1585.	0.7	2
4705	Influence of Self-Assembled Alkanethiol Monolayers on Stochastic Amperometric On-Chip Detection of Silver Nanoparticles. Analytical Chemistry, 2016, 88, 3632-3637.	3.2	13
4706	Electrical characterization of benzenedithiolate molecular electronic devices with graphene electrodes on rigid and flexible substrates. Nanotechnology, 2016, 27, 145301.	1.3	12

ARTICLE IF CITATIONS Enhancing photo-reduction quantum efficiency using quasi-type II core/shell quantum dots. Chemical 4707 3.7 35 Science, 2016, 7, 4125-4133. Effective PEGylation of gold nanorods. Nanoscale, 2016, 8, 7296-7308. 4708 2.8 Structure, Synthesis, and Application ofÂNanoparticles., 2016, , 19-76. 4709 12 Formation of biomimetic hydroxyapatite coatings on the surface of titanium and Ti-containing alloys., 4710 2016, , 193-229. Gold nanoparticle-based multivalent carbohydrate probes: selective photoaffinity labeling of 4711 3.7 28 carbohydrate-binding proteins. Chemical Science, 2016, 7, 702-706. First $\exists \in \text{-linker featuring mercapto and isocyano anchoring groups within the same molecule: synthesis, heterobimetallic complexation and self-assembly on Au(111). Chemical Science, 2016, 7, 1422-1429.$ 4712 3.7 Facile Fabrication of a Sensor with a Bifunctional Interface for Logic Analysis of the New Delhi 4713 4.0 18 Metallo-Î²-Lactamase (NDM)-Coding Gene. ACS Sensors, 2016, 1, 124-130. Engineered zwitterionic phosphorylcholine monolayers for elucidating multivalent binding kinetics 4714 4.1 9 of C-reactive protein. Acta Biomaterialia, 2016, 40, 46-53. Conferring Natural-Derived Porous Microspheres with Surface Multifunctionality through Facile 4715 4.0 28 Coordination-Enabled Self-Assembly Process. ACS Applied Materials & amp; Interfaces, 2016, 8, 8076-8085. Gold-coated carbon nanotube electrode arrays: Immunosensors for impedimetric detection of bone 4716 5.3 biomarkers. Biosensors and Bioelectronics, 2016, 77, 580-588. Boundary flow on end-grafted PEG brushes. Soft Matter, 2016, 12, 1906-1914. 4717 22 1.2 Gold Nanostructures for Cancer Imaging and Therapy. Springer Series in Biomaterials Science and 4718 Engineering, 2016, , 53-101. Dibenzyl disulfide adsorption on Cu(111) surface: a DFT study. Theoretical Chemistry Accounts, 2016, 4719 0.5 4 135, 1. Electrocatalytic determination of thiols using hybrid copper cobalt hexacyanoferrate modified glassy carbon electrode. Sensors and Actuators B: Chemical, 2016, 228, 16-24. 4.0 Effects of electric field on a copper–dioxolene complex adsorbed on a gold surface. Applied Surface 4721 3.11 Science, 2016, 373, 19-25. Theoretical exploration of seleno and tellurophenols as promising alternatives to sulfur ligands for anchoring to gold (111) materials. RSC Advances, 2016, 6, 4458-4468. DNA orientation-specific adhesion and patterning of living mammalian cells on self-assembled DNA 4723 3.7 31 monolayers. Chemical Science, 2016, 7, 2722-2727. Simulation of Gold Functionalization with Cysteine by Reactive Molecular Dynamics. Journal of 4724 2.1 Physical Chemistry Letters, 2016, 7, 272-276.

#	Article	IF	CITATIONS
4725	Ligand ordering determines the catalytic response of hybrid palladium nanoparticles in hydrogenation. Catalysis Science and Technology, 2016, 6, 1621-1631.	2.1	45
4726	Tools for the Microbiome: Nano and Beyond. ACS Nano, 2016, 10, 6-37.	7.3	137
4727	Thiophene-Based Oligomers Interacting with Silver Surfaces and the Role of a Condensed Benzene Ring. Journal of Physical Chemistry C, 2016, 120, 252-264.	1.5	8
4728	Influence of side chains on the self-alignment capability of electroluminescent polyfluorenes. Soft Matter, 2016, 12, 1983-1988.	1.2	1
4729	Electrochemical preparation and characterization of magnetic core–shell nanowires for biomedical applications. Electrochemistry Communications, 2016, 63, 18-21.	2.3	10
4730	Construction of a biointerface for glucose oxidase through diazonium chemistry and electrostatic self-assembly technique. Journal of Solid State Electrochemistry, 2016, 20, 429-438.	1.2	6
4731	Gold-Based Nanomaterials for Applications in Nanomedicine. Topics in Current Chemistry, 2016, 370, 169-202.	4.0	56
4732	On the possibility of using low-energy electron stimulated desorption of ions as a surface probe: Analysis of Au substrates. International Journal of Mass Spectrometry, 2016, 394, 33-41.	0.7	3
4733	Very sensitive electrochemical sensor for moniliformin detection in maize samples. Sensors and Actuators B: Chemical, 2016, 225, 384-390.	4.0	8
4734	Surface modification of mild steel by a self-assembled cetyl-trimethyl ammonium bromide (CTAB) monolayer: Evaluation of its corrosion protection property. Progress in Organic Coatings, 2016, 90, 267-276.	1.9	8
4735	Sensitive detection and glycoprofiling of a prostate specific antigen using impedimetric assays. Analyst, The, 2016, 141, 1044-1051.	1.7	41
4736	Plasmon coupling between silver nanoparticles: Transition from the classical to the quantum regime. Journal of Colloid and Interface Science, 2016, 464, 18-24.	5.0	37
4737	Preparation, heat-enabled shape variation, and cargo manipulation of polymer-based micromotors. Journal of Materials Science, 2016, 51, 1496-1503.	1.7	10
4738	Star-like copolymer stabilized noble-metal nanoparticle powders. Nanoscale, 2016, 8, 7435-7442.	2.8	14
4739	Spontaneous self-assembly and disassembly of colloidal gold nanoparticles induced by tetrakis(hydroxymethyl) phosphonium chloride. Chemical Communications, 2016, 52, 1266-1269.	2.2	16
4740	Chemical dynamics simulations of energy transfer, surface-induced dissociation, soft-landing, and reactive-landing in collisions of protonated peptide ions with organic surfaces. Chemical Society Reviews, 2016, 45, 3595-3608.	18.7	28
4741	A novel organic pollutants gas sensing material p-type CuAlO 2 microsphere constituted of nanoparticles for environmental remediation. Sensors and Actuators B: Chemical, 2016, 223, 138-148.	4.0	37
4742	Small biomolecule immunosensing with plasmonic optical fiber grating sensor. Biosensors and Bioelectronics, 2016, 77, 315-322.	5.3	97

#	Article	IF	CITATIONS
4743	Receding and advancing (CO 2 + brine + quartz) contact angles as a function of pressure, temperature, surface roughness, salt type and salinity. Journal of Chemical Thermodynamics, 2016, 93, 416-423.	1.0	174
4744	Computer assisted detection and quantification of single adsorbing nanoparticles by differential surface plasmon microscopy. Mikrochimica Acta, 2016, 183, 101-109.	2.5	31
4745	Measurement of optical anisotropy in ultrathin films using surface plasmon resonance. Journal of Molecular Structure, 2016, 1103, 281-285.	1.8	10
4746	Direct characterization of polymer encapsulated CdSe/CdS/ZnS quantum dots. Surface Science, 2016, 648, 339-344.	0.8	23
4747	Tailoring biomaterial surface properties to modulate host-implant interactions: implication in cardiovascular and bone therapy. Journal of Materials Chemistry B, 2016, 4, 1586-1599.	2.9	59
4748	Covalent immobilization of molecularly imprinted polymer nanoparticles on a gold surface using carbodiimide coupling for chemical sensing. Journal of Colloid and Interface Science, 2016, 461, 1-8.	5.0	70
4749	A novel colorimetric assay for rapid detection of cysteine and Hg2+ based on gold clusters. Talanta, 2016, 146, 71-74.	2.9	65
4750	Formation of oriented and patterned films of metal–organic frameworks by liquid phase epitaxy: A review. Coordination Chemistry Reviews, 2016, 307, 391-424.	9.5	193
4751	Polymeric-Based In Vitro Diagnostic Devices. , 2016, , 15-58.		1
4752	Enhancement of Localized Surface Plasmon Resonance polymer based biosensor chips using well-defined glycopolymers for lectin detection. Journal of Colloid and Interface Science, 2016, 462, 19-28.	5.0	17
4753	Wettability alteration of oil-wet carbonate by silica nanofluid. Journal of Colloid and Interface Science, 2016, 461, 435-442.	5.0	332
4754	In-Vitro Diagnostic Devices. , 2016, , .		3
4755	Butanethiol adsorption and dissociation on Ag (111): A periodic DFT study. Surface Science, 2016, 646, 247-252.	0.8	7
4756	The application of gold nanoparticles as a promising therapeutic approach in breast and ovarian cancer. Artificial Cells, Nanomedicine and Biotechnology, 2016, 44, 1222-1227.	1.9	18
4757	Nanodelivery systems for enhancing the immunostimulatory effect of CpG oligodeoxynucleotides. Materials Science and Engineering C, 2017, 70, 935-946.	3.8	60
4758	Surface-Induced Heterogeneity Analysis of an Alkanethiol Monolayer on Microcrystalline Copper Surface Using Sum Frequency Generation Imaging Microscopy. Journal of Physical Chemistry C, 2017, 121, 1591-1601.	1.5	22
4759	Absorption Spectroelectrochemistry on Mixed Perylenediimideâ€Based Selfâ€Assembled Monolayers: Nonâ€Linear Dependence of Absorbance versus Surface Coverage. ChemElectroChem, 2017, 4, 601-606.	1.7	8
4760	Development of a QCM-D biosensor for Ochratoxin A detection in red wine. Talanta, 2017, 166, 193-197.	2.9	65

#	Article	IF	CITATIONS
4761	<i>50th Anniversary Perspective</i> : Are Polymer Nanocomposites Practical for Applications?. Macromolecules, 2017, 50, 714-731.	2.2	491
4762	Adsorption-induced surface stress on ac(4  —  2) adatom surface by an alkanethiol. Materials Express, 2017, 4, 015020.	Research	1
4763	In Situ Spectroelectrochemical Fluorescence Microscopy for Visualizing Interfacial Structure and Dynamics in Self-assembled Monolayers. , 2017, , 21-77.		11
4764	Bivalent kinetic binding model to surface plasmon resonance studies of antigen-antibody displacement reactions. Analytical Biochemistry, 2017, 518, 110-125.	1.1	12
4765	Second harmonic study of acid-base equilibrium at gold nanoparticle/aqueous interface. Chemical Physics Letters, 2017, 683, 166-171.	1.2	5
4766	Fence Constructed at a Semiconductor/Electrolyte Interface Improving the Electron Collection Efficiency of the Photoelectrode for a Dye-Sensitized Solar Cell. ACS Applied Materials & Interfaces, 2017, 9, 2396-2402.	4.0	4
4767	Noble Metal Decorated Graphene-Based Gas Sensors and Their Fabrication: A Review. Critical Reviews in Solid State and Materials Sciences, 2017, 42, 499-526.	6.8	86
4768	A comparative DFT study of interactions of Au and small gold clusters Aun (n = 2–4) with CH3S and CH2 radicals. Chemical Physics Letters, 2017, 671, 84-91.	1.2	8
4769	A phenothiazine coumarin-based red emitting fluorescent probe for nanomolar detection of thiophenol with a large Stokes shift. Sensors and Actuators B: Chemical, 2017, 245, 702-710.	4.0	59
4770	Microemulsion synthesis, structural characterization and dielectric properties of Ba 1-x Pb x ZrO 3 (0.05 ≤ ≤0.20) nanoparticles. Materials Research Bulletin, 2017, 89, 185-192.	2.7	10
4771	Antibody Mimetics for the Detection of Small Organic Compounds Using a Quartz Crystal Microbalance. Analytical Chemistry, 2017, 89, 3051-3058.	3.2	20
4772	Electroactive Self-Assembled Monolayers Detect Micelle Formation. ACS Applied Materials & amp; Interfaces, 2017, 9, 5607-5621.	4.0	10
4773	Simplicity as a Route to Impact in Materials Research. Advanced Materials, 2017, 29, 1604681.	11.1	15
4774	Selfâ€Assembled Monolayers as Patterning Tool for Organic Electronic Devices. Advanced Materials, 2017, 29, 1605286.	11.1	72
4775	Repeated photoswitching performance of azobenzenes adsorbed on gold surfaces: a balance between space, intermolecular interactions, and phase separation. New Journal of Chemistry, 2017, 41, 1827-1833.	1.4	9
4776	A combination of self-assembled monolayer and hydrophobic conformal coating for anti-corrosion of Cu/NiP/Au 3D circuitry in artificial sweat solution. Surface and Coatings Technology, 2017, 320, 126-131.	2.2	12
4777	Load-Induced Frictional Transition at a Well-Defined Alkane Loop Surface. Langmuir, 2017, 33, 2396-2401.	1.6	4
4778	Molecular engineering of d-A-d-based non-linearity fluorescent probe for quick detection of thiophenol in living cells and tissues. Sensors and Actuators B: Chemical, 2017, 244, 958-964.	4.0	20

#	Article	IF	CITATIONS
4779	Spectroscopic Characterization of Fluorinated Benzylphosphonic Acid Monolayers on AlO _{<i>x</i>} /Al Surfaces. Journal of Physical Chemistry C, 2017, 121, 1690-1703.	1.5	13
4780	Molecular Coatings for Stabilizing Silver and Gold Nanocubes under Electron Beam Irradiation. Langmuir, 2017, 33, 1189-1196.	1.6	14
4781	Interactions and Attachment Pathways between Functionalized Gold Nanorods. ACS Nano, 2017, 11, 1633-1640.	7.3	60
4782	Comparison of RAFTâ€derived poly(vinylpyrrolidone) verses poly(oligoethyleneglycol methacrylate) for the stabilization of glycosylated gold nanoparticles. Journal of Polymer Science Part A, 2017, 55, 1200-1208.	2.5	5
4783	Advances on Aryldiazonium Salt Chemistry Based Interfacial Fabrication for Sensing Applications. ACS Applied Materials & Interfaces, 2017, 9, 5031-5049.	4.0	100
4784	Self-Assembled Monolayers ofn-Dodecanethiol on Nickel Surfaces Using 2-Hydroxyethylammonium Formate as Reducing Medium. Journal of the Electrochemical Society, 2017, 164, E36-E41.	1.3	1
4785	Does the Sâ^'H Bond Always Break after Adsorption of an Alkylthiol on Au(111)?. Chemistry - A European Journal, 2017, 23, 1402-1408.	1.7	23
4786	Electrochemical Study of Selenocystine Reactivity and Reduction at Metallic Surfaces. ChemElectroChem, 2017, 4, 1250-1255.	1.7	2
4787	Modification of Nanoporous Silicon Nitride with Stable and Functional Organic Monolayers. Chemistry of Materials, 2017, 29, 2294-2302.	3.2	9
4788	Mapping the Nanoscale Heterogeneity of Surface Hydrophobicity on the Sphalerite Mineral. Journal of Physical Chemistry C, 2017, 121, 5620-5628.	1.5	55
4789	Nanoparticle decoration with surfactants: Molecular interactions, assembly, and applications. Surface Science Reports, 2017, 72, 1-58.	3.8	419
4790	Identification and visualization of the intellectual structure and the main research lines in nanoscience and nanotechnology at the worldwide level. Journal of Nanoparticle Research, 2017, 19, 62.	0.8	32
4791	Rapid prototyping of all-solution-processed multi-lengthscale electrodes using polymer-induced thin film wrinkling. Scientific Reports, 2017, 7, 42543.	1.6	25
4792	Cellular-membrane inspired surface modification of well aligned ZnO nanorods for chemosensing of epinephrine. RSC Advances, 2017, 7, 3012-3020.	1.7	6
4793	Exceptional Dewetting of Organic Semiconductor Films: The Case of Dinaphthothienothiophene (DNTT) at Dielectric Interfaces. ACS Applied Materials & Interfaces, 2017, 9, 8384-8392.	4.0	28
4794	Hierarchical Selfâ€Assembly of Dopamine into Patterned Structures. Advanced Materials Interfaces, 2017, 4, 1601218.	1.9	13
4795	In Search of the Quantum-Electronic Origin of Color Change: Elucidation of the Subtle Effects of Alloying with Copper on â‰^1.8 nm Gold Nanoclusters. Journal of Physical Chemistry C, 2017, 121, 5753-5760.	1.5	11
4796	Preparation of Partially Poisoned Alkanethiolate-Capped Platinum Nanoparticles for Hydrogenation of Activated Terminal Alkynes. ACS Applied Materials & 2017, 9, 9823-9832.	4.0	20

# 4797	ARTICLE New trends in the functionalization of metallic gold: from organosulfur ligands to N-heterocyclic carbenes. Chemical Society Reviews, 2017, 46, 2057-2075.	IF 18.7	CITATIONS
4799	Surface force and vibrational spectroscopic analyses of interfacial water molecules in the vicinity of methoxy-tri(ethylene glycol)-terminated monolayers: mechanisms underlying the effect of lateral packing density on bioinertness. Journal of Biomaterials Science, Polymer Edition, 2017, 28, 1231-1243.	1.9	22
4800	Ionic Referencing in Surface Plasmon Microscopy: Visualization of the Difference in Surface Properties of Patterned Monomolecular Layers. Analytical Chemistry, 2017, 89, 3873-3878.	3.2	11
4801	Magnetically Tuning Tether Mobility of Integrin Ligand Regulates Adhesion, Spreading, and Differentiation of Stem Cells. Nano Letters, 2017, 17, 1685-1695.	4.5	96
4802	Biofunctional polyelectrolytes assembling on biosensors – A versatile surface coating method for protein detections. Analytica Chimica Acta, 2017, 964, 170-177.	2.6	36
4803	Supramolecular Structure of the Monolayer Triggers Odd–Even Effects in the Tunneling Rates across Noncovalent Junctions on Graphene. Journal of Physical Chemistry C, 2017, 121, 4172-4180.	1.5	15
4804	Colloidal Metal Nanoparticles Prepared by Laser Ablation and their Applications. ChemPhysChem, 2017, 18, 986-1006.	1.0	76
4805	Large-Area, Ensemble Molecular Electronics: Motivation and Challenges. Chemical Reviews, 2017, 117, 4248-4286.	23.0	298
4806	Competition of van der Waals and chemical forces on gold–sulfur surfaces and nanoparticles. Nature Reviews Chemistry, 2017, 1, .	13.8	95
4807	Stabilization of Ag2S nanoparticles in aqueous solution by MPS. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 520, 369-377.	2.3	18
4808	Structure, Wettability, and Thermal Stability of Organic Thin-Films on Gold Generated from the Molecular Self-Assembly of Unsymmetrical Oligo(ethylene glycol) Spiroalkanedithiols. Langmuir, 2017, 33, 1751-1762.	1.6	17
4809	Ionic Strength, Surface Charge, and Packing Density Effects on the Properties of Peptide Self-Assembled Monolayers. Langmuir, 2017, 33, 2050-2058.	1.6	14
4810	Optimization of the Small Glycan Presentation for Binding a Tumor-Associated Antibody: Application to the Construction of an Ultrasensitive Glycan Biosensor. Langmuir, 2017, 33, 2709-2716.	1.6	9
4811	Transdermal Gene Delivery by Functional Peptide-Conjugated Cationic Gold Nanoparticle Reverses the Progression and Metastasis of Cutaneous Melanoma. ACS Applied Materials & Interfaces, 2017, 9, 9388-9401.	4.0	91
4812	Enzyme-Instructed Assembly and Disassembly Processes for Targeting Downregulation in Cancer Cells. Journal of the American Chemical Society, 2017, 139, 3950-3953.	6.6	122
4813	Preparation, characterization, and protein-resistance of films derived from a series of α-oligo(ethylene) Tj ETQq1	1 0.78431 1.7	4ggBT /Ove
4814	Electric Field Tunable Magnetism at C ₆ H ₆ -Adsorbed Fe ₃ O ₄ (001) Surface. Journal of Physical Chemistry C, 2017, 121, 5178-5184.	1.5	8
4815	Electric Field Oriented Nanostructured Organic Thin Films with Polarized Luminescence. Nanoscale Research Letters, 2017, 12, 166.	3.1	5

#	Article	IF	CITATIONS
4816	Stabilization of X–Au–X Complexes on the Au(111) Surface: A Theoretical Investigation and Comparison of X = S, Cl, CH ₃ S, and SiH ₃ S. Journal of Physical Chemistry C, 2017, 121, 3870-3879.	1.5	10
4817	Tailored Surfaces/Assemblies for Molecular Plasmonics and Plasmonic Molecular Electronics. Annual Review of Analytical Chemistry, 2017, 10, 201-224.	2.8	8
4818	Exploring Stepâ€by‣tep Assembly of Nanoparticle:Cytochrome Biohybrid Photoanodes. ChemElectroChem, 2017, 4, 1959-1968.	1.7	8
4819	Compression-Induced Conformation and Orientation Changes in an <i>n</i> -Alkane Monolayer on a Au(111) Surface. Langmuir, 2017, 33, 3934-3940.	1.6	13
4820	Bidentate Aromatic Thiols on Gold: New Insight Regarding the Influence of Branching on the Structure, Packing, Wetting, and Stability of Self-Assembled Monolayers on Gold Surfaces. Langmuir, 2017, 33, 4396-4406.	1.6	25
4821	Conserved effects and altered trafficking of Cetuximab antibodies conjugated to gold nanoparticles with precise control of their number and orientation. Nanoscale, 2017, 9, 6111-6121.	2.8	33
4822	Surface Functionalization with Copper Tetraaminophthalocyanine Enables Efficient Charge Transport in Indium Tin Oxide Nanocrystal Thin Films. ACS Applied Materials & Interfaces, 2017, 9, 14197-14206.	4.0	14
4823	Methods for preparing DNA-functionalized gold nanoparticles, a key reagent of bioanalytical chemistry. Analytical Methods, 2017, 9, 2633-2643.	1.3	173
4824	Amplification of the molecular chiroptical effect by low-loss dielectric nanoantennas. Nanoscale, 2017, 9, 5701-5707.	2.8	26
4825	Development of a two-photon fluorescent turn-on probe with far-red emission for thiophenols and its bioimaging application in living tissues. Biosensors and Bioelectronics, 2017, 95, 81-86.	5.3	56
4826	Photoexcited State Confinement in Two-Dimensional Crystalline Anthracene Monolayer at Room Temperature. ACS Nano, 2017, 11, 4307-4314.	7.3	17
4827	Simulation studies on structural and thermal properties of alkane thiol capped gold nanoparticles. Journal of Molecular Graphics and Modelling, 2017, 74, 359-365.	1.3	6
4828	Surface plasmon resonance in gold nanoparticles: a review. Journal of Physics Condensed Matter, 2017, 29, 203002.	0.7	1,184
4829	Chiral Metal-Oxide Nanofilms by Cellulose Template Using Atomic Layer Deposition Process. ACS Nano, 2017, 11, 4753-4759.	7.3	24
4830	General Dialdehyde Click Chemistry for Amine Bioconjugation. Bioconjugate Chemistry, 2017, 28, 1422-1433.	1.8	19
4831	Organosulfur adsorbents by self-assembly of titania based ternary metal oxide nanofibers. Journal of Materials Chemistry A, 2017, 5, 9561-9571.	5.2	11
4832	Gold Nanoparticles Assembled Chemically Functionalized Reduced Graphene Oxide Supported Electrochemical Immunosensor for Ultra-Sensitive Prostate Cancer Detection. Journal of the Electrochemical Society, 2017, 164, B234-B239.	1.3	25
4833	Fluorescence signaling of thiophenol by hydrolysis of dinitrobenzenesulfonamide of 2-(2-aminophenyl)benzothiazole. Dyes and Pigments, 2017, 143, 123-128.	2.0	24

#	Article	IF	CITATIONS
4834	Rapid detection of mercury contamination in water by surface enhanced Raman spectroscopy. RSC Advances, 2017, 7, 21567-21575.	1.7	40
4835	Mapping the ionic fingerprints of molecular monolayers. Physical Chemistry Chemical Physics, 2017, 19, 15098-15109.	1.3	22
4836	Dropwise condensation heat transfer model considering the liquid-solid interfacial thermal resistance. International Journal of Heat and Mass Transfer, 2017, 112, 333-342.	2.5	44
4837	Achieving biosensing at attomolar concentrations of cardiac troponin T in human biofluids by developing a label-free nanoplasmonic analytical assay. Analyst, The, 2017, 142, 2442-2450.	1.7	32
4838	A label-free ratiometric electrochemical DNA sensor for monitoring intracellular redox homeostasis. Chemical Communications, 2017, 53, 6215-6218.	2.2	37
4839	Alkylthiol self-assembled monolayers on Au(111) with tailored tail groups for attaching gold nanoparticles. Nanotechnology, 2017, 28, 235603.	1.3	17
4840	High-resolution surface plasmon resonance sensor with Fano resonance in waveguide-coupled multilayer structures. Applied Physics Express, 2017, 10, 042202.	1.1	34
4841	Mesoporous thin film structures as metal nanoparticle reactors for electronic circuits: Effects of matrix crystallinity and nanoparticle functionalization. Superlattices and Microstructures, 2017, 109, 286-295.	1.4	2
4842	Self-assembly of glycine on Cu(001): the effect of temperature and polarity. RSC Advances, 2017, 7, 4116-4123.	1.7	3
4843	Direct Observation of Interactions between Nanoparticles and Nanoparticle Self-Assembly in Solution. Accounts of Chemical Research, 2017, 50, 1303-1312.	7.6	97
4844	Nanocylindrical confinement imparts highest structural order in molecular self-assembly of organophosphonates on aluminum oxide. Nanoscale, 2017, 9, 6291-6295.	2.8	13
4845	Electrochemical Sensing of Neurotoxic Agents Based on Their Electron Transfer Promotion Effect on an Au Electrode. Analytical Chemistry, 2017, 89, 5742-5747.	3.2	12
4846	Current scenario in organophosphates detection using electrochemical biosensors. TrAC - Trends in Analytical Chemistry, 2017, 92, 62-85.	5.8	67
4847	Mechanism of Surface Alkylation of a Gold Aerogel with Tetra-n-butylstannane-d36: Identification of Byproducts. Journal of Physical Chemistry Letters, 2017, 8, 2339-2343.	2.1	3
4848	Anomalously Rapid Tunneling: Charge Transport across Self-Assembled Monolayers of Oligo(ethylene) Tj ETQq0 (0.orgBT /C)verlock 10 T
4849	SAM of Cliotoxin on Gold: A Natural Product Platform for Sugar Recognition based on the Immobilization of Canavalia brasiliensis lectin (ConBr). Electrochimica Acta, 2017, 241, 116-123.	2.6	8
4850	Influence of Order within Nonpolar Monolayers on Hydrophobic Interactions. Langmuir, 2017, 33, 4628-4637.	1.6	27

4851	Asymmetric Heterogeneous Catalysis: Transfer of Molecular Principles to Nanoparticles by Ligand Functionalization. ACS Catalysis, 2017, 7, 3979-3987.		5.5	54
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#	Article	IF	CITATIONS
4852	Binding groups for highly ordered SAM formation: carboxylic versus thiol. Chemical Communications, 2017, 53, 5748-5751.	2.2	23
4853	Effect of the Temperature on CO ₂ /Brine/Dolomite Wettability: Hydrophilic versus Hydrophobic Surfaces. Energy & Fuels, 2017, 31, 6329-6333.	2.5	52
4854	Thiocarbohydrates on Gold Nanoparticles: Strong Influence of Stereocenters on Binding Affinity and Interparticle Forces. Chemistry - A European Journal, 2017, 23, 8685-8693.	1.7	6
4855	Modification of Pyridine-Terminated Aromatic Self-Assembled Monolayers by Electron Irradiation. Journal of Physical Chemistry C, 2017, 121, 9982-9990.	1.5	5
4856	Electrical Double-Layer and Ion Bridging Forces between Symmetric and Asymmetric Charged Surfaces in the Presence of Mono- and Divalent Ions. Langmuir, 2017, 33, 4426-4434.	1.6	6
4857	A van der Waals DFT study of chain length dependence of alkanethiol adsorption on Au(111): physisorption vs. chemisorption. Physical Chemistry Chemical Physics, 2017, 19, 13756-13766.	1.3	23
4858	Systemically administered collagen-targeted gold nanoparticles bind to arterial injury following vascular interventions. Physiological Reports, 2017, 5, e13128.	0.7	12
4859	Redox of ferrocenylthiol SAMs in electrolytes with bis[(trifluoromethyl)sulfonyl]amide as unique anions: Parallel between aqueous and ionic liquid media. Journal of Electroanalytical Chemistry, 2017, 795, 75-80.	1.9	3
4860	Surface-Sensitive and Surface-Specific Ultrafast Two-Dimensional Vibrational Spectroscopy. Chemical Reviews, 2017, 117, 10623-10664.	23.0	114
4861	Ligand density quantification on colloidal inorganic nanoparticles. Analyst, The, 2017, 142, 11-29.	1.7	83
4862	Adsorbed Organic Material and Its Control on Wettability. Energy & amp; Fuels, 2017, 31, 55-64.	2.5	27
4863	Effects of Functional Groups of Materials on Nonspecific Adhesion and Chondrogenic Induction of Mesenchymal Stem Cells on Free and Micropatterned Surfaces. ACS Applied Materials & Interfaces, 2017, 9, 23574-23585.	4.0	75
4864	Self-assembled monolayers of aromatic pyrrole derivatives: Electropolymerization and electrocopolymerization with pyrrole. Electrochimica Acta, 2017, 246, 853-863.	2.6	17
4865	Chemoselective ligation reaction of N-acetylglucosamine (NAG) with hydrazide functional probes to determine galactosyltransferase activity by MALDI mass spectrometry. Analyst, The, 2017, 142, 2654-2662.	1.7	13
4866	Influence of fluorinated self-assembled monolayer on wetting dynamics during evaporation of refrigerant–oil mixture on metal surface. International Journal of Refrigeration, 2017, 79, 76-88.	1.8	4
4867	Fabrication of solution-processable, highly transparent and conductive electrodes via layer-by-layer assembly of functional silver nanowires. Thin Solid Films, 2017, 636, 40-47.	0.8	13
4868	On surface O-glycosylation by catalytic microcontact printing. Chemical Communications, 2017, 53, 6203-6206.	2.2	5
4869	A Ligandâ€Exchange Route to Nobel Metal Nanocrystals with a Clean Surface for Enhanced Optical and Catalytic Properties. Particle and Particle Systems Characterization, 2017, 34, 1700075.	1.2	38

#	Article	IF	CITATIONS
4870	Quantifying Gauche Defects and Phase Evolution in Self-Assembled Monolayers through Sessile Drops. ACS Omega, 2017, 2, 2072-2084.	1.6	58
4871	Cup-Shaped Nanoantenna Arrays for Zeptoliter Volume Biochemistry and Plasmonic Sensing in the Visible Wavelength Range. ACS Applied Materials & Interfaces, 2017, 9, 19082-19091.	4.0	4
4872	In silico modeling and investigation of self-heating effects in composite nano cantilever biosensors with integrated piezoresistors. AIP Advances, 2017, 7, 035108.	0.6	11
4873	Assessment of Selfâ€Assembled Monolayers as Highâ€Performance Thermal Interface Materials. Advanced Materials Interfaces, 2017, 4, 1700355.	1.9	16
4874	Reliable computational design of biological-inorganic materials to the large nanometer scale using Interface-FF. Molecular Simulation, 2017, 43, 1394-1405.	0.9	34
4875	Gum tragacanth stabilized green gold nanoparticles as cargos for Naringin loading: A morphological investigation through AFM. Carbohydrate Polymers, 2017, 174, 243-252.	5.1	72
4876	pH-Switchable Interaction of a Carboxybetaine Ester-Based SAM with DNA and Gold Nanoparticles. Langmuir, 2017, 33, 6657-6666.	1.6	9
4877	Tip-enhanced Raman spectroscopy – from early developments to recent advances. Chemical Society Reviews, 2017, 46, 4077-4110.	18.7	185
4878	Mechanisms of the odd-even effect and its reversal in rectifying performance of ferrocenyl-n-alkanethiolate molecular diodes. Organic Electronics, 2017, 49, 76-84.	1.4	24
4879	Nanotribological Properties of Hexadecanethiol Self-Assembled Monolayers on Au(111): Structure, Temperature, and Velocity. Langmuir, 2017, 33, 6005-6010.	1.6	5
4880	Nanoscale Chemical Imaging of Interfacial Monolayers by Tipâ€Enhanced Raman Spectroscopy. Angewandte Chemie - International Edition, 2017, 56, 9361-9366.	7.2	32
4881	Graphene quantum dots anchored onto mercaptopyridine-substituted zinc phthalocyanine-Au@Ag nanoparticle hybrid: Application as fluorescence "off-on-off―sensor for Hg2+ and biothiols. Dyes and Pigments, 2017, 145, 189-201.	2.0	26
4882	Nanoscale Surface Curvature Effects on Ligand–Nanoparticle Interactions: A Plasmon-Enhanced Spectroscopic Study of Thiolated Ligand Adsorption, Desorption, and Exchange on Gold Nanoparticles. Nano Letters, 2017, 17, 4443-4452.	4.5	81
4883	Energy landscapes and dynamics of glycine on Cu(110). Physical Chemistry Chemical Physics, 2017, 19, 16600-16605.	1.3	1
4884	Biomedical surface analysis: Evolution and future directions (Review). Biointerphases, 2017, 12, 02C301.	0.6	41
4885	Detection of thiophenol in buffer, in serum, on filter paper strip, and in living cells using a red-emitting amino phenothiazine boranil based fluorescent probe with a large Stokes shift. Tetrahedron, 2017, 73, 4529-4537.	1.0	15
4886	Covalent Surface Modification of Silicon Oxides with Alcohols in Polar Aprotic Solvents. Langmuir, 2017, 33, 8707-8715.	1.6	8
4887	Two-photon photoelectron emission microscopy for surface plasmon polaritons at the Au(111) surface decorated with alkanethiolate self-assembled monolayers. Physical Chemistry Chemical Physics, 2017, 19, 13455-13461.	1.3	13

#	Article	IF	CITATIONS
4888	Effects of polymer surface energy on morphology and properties of silver nanowire fabricated via nanoimprint and E-beam evaporation. Applied Surface Science, 2017, 420, 429-438.	3.1	13
4889	A method of conserving ancient iron artefacts retrieved from shipwrecks using a combination of silane self-assembled monolayers and wax coating. Corrosion Science, 2017, 123, 88-102.	3.0	21
4890	Influence of bidisperse self-assembled monolayer structure on the slip boundary condition of thin polymer films. Journal of Chemical Physics, 2017, 146, 203326.	1.2	4
4891	Advanced wide-field surface plasmon microscopy of single adsorbing nanoparticles. , 2017, , .		2
4892	Surface modification by self-assembled monolayer and carbon nanotubes. Emerging Materials Research, 2017, 6, 15-20.	0.4	3
4893	Thiolated Lysineâ€Leucine Peptides Selfâ€Assemble into Biosilica Nucleation Pits on Gold Surfaces. Advanced Materials Interfaces, 2017, 4, 1700399.	1.9	3
4894	Molecular Graph Paper. Angewandte Chemie - International Edition, 2017, 56, 8290-8294.	7.2	19
4895	CO 2 geo-storage capacity enhancement via nanofluid priming. International Journal of Greenhouse Gas Control, 2017, 63, 20-25.	2.3	39
4896	Programmable Electrochemical Rectifier Based on a Thin-Layer Cell. ACS Applied Materials & Interfaces, 2017, 9, 20955-20962.	4.0	6
4897	Low-Temperature PM IRRAS of a Monolayer on Au: Spectra of C ₁₈ D ₃₇ SH. Langmuir, 2017, 33, 5613-5616.	1.6	1
4898	Artificial miniaturized luminescent materials based on perylene-covered glass surfaces. New Journal of Chemistry, 2017, 41, 6083-6088.	1.4	5
4899	The influence of nearest-neighbour interactions and assembly dynamics on the transport properties of porphyrin supramolecular assemblies on Au(111). Faraday Discussions, 2017, 204, 349-366.	1.6	4
4900	Understanding Digestive Ripening of Ligand-Stabilized, Charged Metal Nanoparticles. Journal of Physical Chemistry C, 2017, 121, 13405-13411.	1.5	15
4901	Fundamental Characteristics of a Glucose Transistor with a Chemically Functional Interface. ChemElectroChem, 2017, 4, 2225-2231.	1.7	10
4902	A ratiometric fluorescent probe based on monochlorinated BODIPY for the discrimination of thiophenols over aliphatic thiols in water samples and in living cells. Sensors and Actuators B: Chemical, 2017, 252, 470-476.	4.0	30
4903	Nanoscale Chemical Imaging of Interfacial Monolayers by Tipâ€Enhanced Raman Spectroscopy. Angewandte Chemie, 2017, 129, 9489-9494.	1.6	7
4904	Covalent diphenylalanine peptide nanotube conjugated to folic acid/magnetic nanoparticles for anti-cancer drug delivery. Journal of Drug Delivery Science and Technology, 2017, 41, 90-98.	1.4	31
4905	Dynamics of Electron Transfer in Azulene-Based Self-Assembled Monolayers. Journal of Physical Chemistry C, 2017, 121, 13777-13785.	1.5	15

#	Article	IF	CITATIONS
4906	Chemistry Can Make Strict and Fuzzy Controls for Bio-Systems: DNA Nanoarchitectonics and Cell-Macromolecular Nanoarchitectonics. Bulletin of the Chemical Society of Japan, 2017, 90, 967-1004.	2.0	257
4907	Proteinâ€Functionalized Indiumâ€Tin Oxide Nanoantenna Arrays for Selective Infrared Biosensing. Advanced Optical Materials, 2017, 5, 1700091.	3.6	23
4908	Efficient nucleophilic substitution in self-assembled monolayer of dithiol on gold. Chemistry of Heterocyclic Compounds, 2017, 53, 97-100.	0.6	1
4909	Nanophase Segregation of Self-Assembled Monolayers on Gold Nanoparticles. ACS Nano, 2017, 11, 7371-7381.	7.3	35
4910	Disulfide-modified antigen for detection of celiac disease-associated anti-tissue transglutaminase autoantibodies. Analytical and Bioanalytical Chemistry, 2017, 409, 3799-3806.	1.9	10
4911	Ambient STM study of sequentially adsorbed octanethiol and biphenylthiol monolayers on Au(111). Surface Science, 2017, 662, 102-112.	0.8	5
4912	Beyond "decorative―2D supramolecular self-assembly: strategies towards functional surfaces for nanotechnology. Materials Horizons, 2017, 4, 570-583.	6.4	77
4913	$3\hat{a}\in(2\hat{a}\in Bromoacetamido)\hat{a}\in i>N\hat{a}\in(9\hat{a}\in thy \hat{a}\in gH)\hat{a}\in carbazol fluorescent probe and its application f determination of thiophenols in rubber products by HPLC with fluorescence detection and atmospheric chemical ionization mass spectrometry identification. Journal of Separation Science, 2017. 40. 2528-2540.$	or the 1.3	6
4914	On hip Chemical Selfâ€Assembly of Semiconducting Singleâ€Walled Carbon Nanotubes (SWNTs): Toward Robust and Scale Invariant SWNTs Transistors. Advanced Materials, 2017, 29, 1606757.	11.1	36
4915	Molecule-specific interactions of diatomic adsorbates at metal-liquid interfaces. Structural Dynamics, 2017, 4, 044009.	0.9	10
4916	Model of self assembled monolayer based molecular diodes made of ferrocenyl-alkanethiols. Journal of Applied Physics, 2017, 121, .	1.1	11
4917	Formation of Turmeric-Based Thin Films: Universal, Transparent Coatings. Langmuir, 2017, 33, 3639-3646.	1.6	16
4918	Effect of Thiol-Ligands on the Optical Response of Supported Silver Clusters. Journal of Physical Chemistry C, 2017, 121, 9331-9336.	1.5	16
4919	Direct covalent grafting of an organic radical core on gold and silver. RSC Advances, 2017, 7, 20076-20083.	1.7	10
4920	Perspective: Thermal and thermoelectric transport in molecular junctions. Journal of Chemical Physics, 2017, 146, .	1.2	144
4921	Preparing metal-complex surfaces based on self-assembled monolayers of thiols and disulfides on gold. Russian Journal of Physical Chemistry A, 2017, 91, 240-245.	0.1	6
4922	Patterning of Nanoclays on Positively Charged Self-Assembled Monolayers via Micromolding in Capillaries. Langmuir, 2017, 33, 8799-8804.	1.6	4
4923	Reversible on-surface wiring of resistive circuits. Chemical Science, 2017, 8, 4340-4346.	3.7	5

#	Article	IF	CITATIONS
4924	Interaction of Cysteine with Au _{<i>n</i>} (<i>n</i> =8, 10, 12) Even Neutral Clusters: A Theoretical Study. ChemistrySelect, 2017, 2, 2789-2796.	0.7	9
4926	Ligand-Exchange Dynamics on Gold Nanocrystals: Direct Monitoring of Nanoscale Polyvinylpyrrolidone–Thiol Domain Surface Morphology. Langmuir, 2017, 33, 3576-3587.	1.6	14
4927	Frontiers of on-surface synthesis: From principles to applications. Nano Today, 2017, 13, 77-96.	6.2	201
4928	Toward a systematic exploration of nano-bio interactions. Toxicology and Applied Pharmacology, 2017, 323, 66-73.	1.3	48
4929	Nanostructured interfaces with site-specific bioreceptors for immunosensing. Applied Surface Science, 2017, 412, 455-463.	3.1	13
4930	Two-phase flow pressure drop in superhydrophobic channels. International Journal of Heat and Mass Transfer, 2017, 110, 515-522.	2.5	10
4931	Host–Guest Interaction at Molecular Interfaces: Binding of Cucurbit[7]uril on Ferrocenyl Self-Assembled Monolayers on Gold. Journal of Physical Chemistry C, 2017, 121, 7985-7992.	1.5	12
4932	Vapor-phase synthesis of sub-15 nm hybrid gate dielectrics for organic thin film transistors. Journal of Materials Chemistry C, 2017, 5, 4463-4470.	2.7	14
4933	Highly Ordered Self-Assembled Monolayers of Carboxy- and Ester-Terminated Alkanethiols on Au(111): Infrared Absorption and Hyperthermal-Deposition Experiments with Cr(benzene) ₂ Ions. Journal of Physical Chemistry C, 2017, 121, 6736-6747.	1.5	6
4934	Effects of perfluoroalkylsilane molecular assembly on flow induced voltage generated by doped silicon wafers. Journal of Applied Physics, 2017, 121, .	1.1	2
4935	Synthetic Chemistry of Nanomaterials. , 2017, , 613-640.		12
4936	Silanization of Sapphire Surfaces for Optical Sensing Applications. ACS Sensors, 2017, 2, 522-530.	4.0	2
4937	Unexpected length dependence of excited-state charge transfer dynamics for surface-confined perylenediimide ensembles. Materials Horizons, 2017, 4, 437-441.	6.4	5
4938	Reaction-based fluorescent turn-on probe for selective detection of thiophenols in aqueous solution and living cells. Dyes and Pigments, 2017, 142, 167-174.	2.0	22
4939	Properties of modified surface for biosensing interface. Journal of Colloid and Interface Science, 2017, 497, 309-316.	5.0	7
4940	"Click―access to multilayer functionalized Au surface: A terpyridine patterning example. Materials Science and Engineering C, 2017, 75, 1343-1350.	3.8	5
4941	Label-Free Discovery Array Platform for the Characterization of Glycan Binding Proteins and Glycoproteins. Analytical Chemistry, 2017, 89, 4444-4451.	3.2	19
4942	Photoswitching of azobenzene-containing self-assembled monolayers as a tool for control over silicon surface electronic properties. Journal of Chemical Physics, 2017, 146, 104703.	1.2	15

#	Article	IF	CITATIONS
4943	Orientation and characterization of immobilized antibodies for improved immunoassays (Review). Biointerphases, 2017, 12, 02D301.	0.6	271
4944	Metal organoclays with compacted structure for truly physical capture of hydrogen. Applied Surface Science, 2017, 398, 116-124.	3.1	17
4945	Bottom-Up Electrochemical Fabrication of Conjugated Ultrathin Layers with Tailored Switchable Properties. ACS Applied Materials & Interfaces, 2017, 9, 610-617.	4.0	7
4946	Nanocaged platforms: modification, drug delivery and nanotoxicity. Opening synthetic cages to release the tiger. Nanoscale, 2017, 9, 1356-1392.	2.8	122
4947	Modification of Aromatic Self-Assembled Monolayers by Electron Irradiation: Basic Processes and Related Applications. Journal of Physical Chemistry C, 2017, 121, 567-576.	1.5	14
4948	Rectification of current responds to incorporation of fullerenes into mixed-monolayers of alkanethiolates in tunneling junctions. Chemical Science, 2017, 8, 2365-2372.	3.7	46
4949	Surface Engineering of Nanostructured ZnO Surfaces. Advanced Materials Interfaces, 2017, 4, 1600758.	1.9	50
4950	Application of Au based nanomaterials in analytical science. Nano Today, 2017, 12, 64-97.	6.2	68
4951	Electron-Transfer Rates in Host–Guest Assemblies at β-Cyclodextrin Monolayers. Langmuir, 2017, 33, 8614-8623.	1.6	10
4952	Intermolecular interactions in electroactive thiol monolayers probed by linear scan voltammetry. Current Opinion in Electrochemistry, 2017, 1, 22-26.	2.5	19
4953	Platinum-Coated Gold Nanorods: Efficient Reactive Oxygen Scavengers That Prevent Oxidative Damage toward Healthy, Untreated Cells during Plasmonic Photothermal Therapy. ACS Nano, 2017, 11, 579-586.	7.3	205
4954	Sulfur ligand mediated electrochemistry of gold surfaces and nanoparticles: What, how, and why. Current Opinion in Electrochemistry, 2017, 1, 7-15.	2.5	31
4955	Metal-phenolic networks as a versatile platform to engineer nanomaterials and biointerfaces. Nano Today, 2017, 12, 136-148.	6.2	411
4956	From gold nanoparticles to luminescent nano-objects: experimental aspects for better gold-chromophore interactions. Nanophotonics, 2017, 6, 71-92.	2.9	27
4957	Rheology of self-assembled monolayers on solid-liquid interface oscillating at MHz frequency. Chinese Journal of Physics, 2017, 55, 16-21.	2.0	1
4958	Luminescence in Electrochemistry. , 2017, , .		9
4959	Molecular Dynamics Simulation of Alkylthiol Self-Assembled Monolayers on Liquid Mercury. Langmuir, 2017, 33, 744-754.	1.6	6
4960	CO electro-oxidation reaction on Pt nanoparticles: Understanding peak multiplicity through thiol derivative molecule adsorption. Catalysis Today, 2017, 293-294, 2-7.	2.2	5

	CHANO	IN REPORT	
#	Article	IF	Citations
4961	The SERS effect in coordination chemistry. Coordination Chemistry Reviews, 2017, 333, 108-131.	9.5	30
4962	UVâ€Patterning of Antiâ€Biofouling Zwitterionic Copolymer Layer with an Aromatic Anchor Group. Macromolecular Materials and Engineering, 2017, 302, 1600374.	1.7	2
4963	Relative Stability of Thiolate and Selenolate SAMs on Ag(111) Substrate Studied by Static SIMS. Oscillation in Stability of Consecutive Chemical Bonds. Journal of Physical Chemistry C, 2017, 121, 459-470.	1.5	13
4964	Effect of Heteroatom Substitution on Transport in Alkanedithiol-Based Molecular Tunnel Junctions: Evidence for Universal Behavior. ACS Nano, 2017, 11, 569-578.	7.3	54
4965	The synthesis of a gold nanodisk–molecular layer–gold film vertical structure: a molecular layer as the spacer for SERS hot spot investigations. Materials Chemistry Frontiers, 2017, 1, 922-927.	3.2	6
4966	Nanostructuring of Au(111) during the Adsorption of an Aromatic Isocyanide from Solution. Langmuir, 2017, 33, 91-99.	1.6	5
4967	Enhanced visible-light-driven photocatalytic activity of Au@Ag core–shell bimetallic nanoparticles immobilized on electrospun TiO ₂ nanofibers for degradation of organic compounds. Catalysis Science and Technology, 2017, 7, 570-580.	2.1	134
4968	An ultrasensitive fluorescent probe for rapid determination of thiophenols. Talanta, 2017, 165, 321-325.	2.9	22
4969	Hydrogen Oxidation‧elective Electrocatalysis by Fine Tuning of Pt Ensemble Sites to Enhance the Durability of Automotive Fuel Cells. ChemSusChem, 2017, 10, 489-493.	3.6	24
4970	Investigating the Effect of Substrate Materials on Wearable Immunoassay Performance. Langmuir, 2017, 33, 773-782.	1.6	4
4971	Interfacial water on organic substrates at cryogenic temperatures: hydrogen bonding and quantification in the submonolayer regime. Physical Chemistry Chemical Physics, 2017, 19, 2304-2312.	1.3	2
4972	Atomically precise organomimetic cluster nanomolecules assembled via perfluoroaryl-thiol SNAr chemistry. Nature Chemistry, 2017, 9, 333-340.	6.6	201
4973	Elementary Processes in Organic Photovoltaics. Advances in Polymer Science, 2017, , .	0.4	15
4974	Temperature sensitive p(N-isopropylacrylamide-co-acrylic acid) modified gold nanoparticles for trans-arterial embolization and angiography. Journal of Materials Chemistry B, 2017, 5, 907-916.	2.9	22
4975	Electronic Properties of Interfaces with Oligo- and Polythiophenes. Advances in Polymer Science, 2017, , 377-399.	0.4	3
4976	Microrheological Coagulation Assay Exploiting Micromechanical Resonators. Analytical Chemistry, 2017, 89, 751-758.	3.2	14
4977	Challenges and opportunities in chemical functionalization of semiconductor surfaces. Applied Surface Science, 2017, 399, 375-386.	3.1	33
4978	Probing the adhesion properties of alginate hydrogels: a new approach towards the preparation of soft colloidal probes for direct force measurements. Soft Matter, 2017, 13, 578-589.	1.2	18

#	Article	IF	CITATIONS
4979	Plasmonic nano-protrusions: hierarchical nanostructures for single-molecule Raman spectroscopy. Nanotechnology, 2017, 28, 025302.	1.3	9
4980	Computational and Experimental Investigation of the Structure of Peptide Monolayers on Gold Nanoparticles. Langmuir, 2017, 33, 438-449.	1.6	25
4981	Where Is the Most Hydrophobic Region? Benzopurpurine Self-Assembly at the Calcite–Water Interface. Journal of Physical Chemistry C, 2017, 121, 24144-24151.	1.5	18
4982	Peptides as Smart Biomolecular Tools: Utilization of Their Molecular Recognition for Materials Engineering. ACS Symposium Series, 2017, , 31-48.	0.5	2
4983	On the decisive role of the sulfur-based anchoring group in the electro-assisted formation of self-assembled monolayers on gold. Electrochimica Acta, 2017, 257, 165-171.	2.6	13
4984	Surfactant dependent evolution of Au-Pd alloy nanocrystals from trisoctahedron to excavated rhombic dodecahedron and multipod: a matter of crystal growth kinetics. Science Bulletin, 2017, 62, 1359-1364.	4.3	7
4985	Anodic porous alumina with square holes through lattice conversion of naturally occurring ordered structures. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2017, 35, 050602.	0.6	1
4986	Effect of the Chain Length and Temperature on the Adhesive Properties of Alkanethiol Self-Assembled Monolayers. Langmuir, 2017, 33, 11862-11868.	1.6	9
4987	Reusable and Flexible Heterogeneous Catalyst for Reduction of TNT by Pd Nanocube Decorated ZnO Nanolayers onto Electrospun Polymeric Nanofibers. ChemistrySelect, 2017, 2, 8790-8798.	0.7	5
4988	Single Molecule Force Spectroscopy and Molecular Dynamics Simulations as a Combined Platform for Probing Protein Face-Specific Binding. Langmuir, 2017, 33, 10851-10860.	1.6	24
4989	Tuning the collective switching behavior of azobenzene/Au hybrid materials: flexible versus rigid azobenzene backbones and Au(111) surfaces versus curved Au nanoparticles. Nanoscale, 2017, 9, 16700-16710.	2.8	13
4990	Nanoscale patterning of self-assembled monolayer (SAM)-functionalised substrates with single molecule contact printing. Nanoscale, 2017, 9, 15098-15106.	2.8	22
4991	Synthesis of Electro-active Compounds Suitable for Adsorption on Metal Surfaces. Organic Preparations and Procedures International, 2017, 49, 389-414.	0.6	4
4992	Optical limiters with improved performance based on nanoconjugates of thiol substituted phthalocyanine with CdSe quantum dots and Ag nanoparticles. Dalton Transactions, 2017, 46, 16190-16198.	1.6	36
4993	Hierarchical self-assembly of enantiopure and racemic helicenes at the liquid/solid interface: from 2D to 3D. Nanoscale, 2017, 9, 18075-18080.	2.8	11
4994	Programmable Bio-surfaces for Biomedical Applications. Advances in Experimental Medicine and Biology, 2017, 1030, 1-20.	0.8	2
4995	Experimental Observation of Real Time Molecular Dynamics Using Electromigrated Tunnel Junctions. Journal of Physical Chemistry C, 2017, 121, 22550-22558.	1.5	3
4996	Hydrogen bonding induced protein adsorption on polymer brushes: a Monte Carlo study. Journal of Materials Chemistry B, 2017, 5, 8479-8486.	2.9	11

#	Article	IF	CITATIONS
4997	Determination of the Local Electric Field at Au/SAM Interfaces Using the Vibrational Stark Effect. Journal of Physical Chemistry C, 2017, 121, 22274-22285.	1.5	41
4998	Molecular Electronics. Springer Handbooks, 2017, , 1-1.	0.3	1
4999	Lysozyme-mediated fabrication of well-defined core–shell nanoparticle@metal–organic framework nanocomposites. Journal of Materials Chemistry A, 2017, 5, 20765-20770.	5.2	14
5000	Selfâ€assembled monolayers of octadecylphosphonic acid and polymer films: Surface chemistry and chemical structures studied by timeâ€ofâ€flight secondary ion mass spectrometry. Surface and Interface Analysis, 2017, 49, 1431-1441.	0.8	12
5001	Mixed Aliphatic Self-Assembled Monolayers with Embedded Polar Group. Journal of Physical Chemistry C, 2017, 121, 23017-23024.	1.5	12
5002	Assembly Behavior of Organically Interlinked Gold Nanoparticle Composite Films: A Quartz Crystal Microbalance Investigation. Langmuir, 2017, 33, 11869-11877.	1.6	5
5003	Focal molography is a new method for the in situ analysis of molecular interactions in biological samples. Nature Nanotechnology, 2017, 12, 1089-1095.	15.6	36
5004	A novel fluorescence turn-on probe for the selective detection of thiophenols by caged benzooxazolidinoindocyanine. RSC Advances, 2017, 7, 46148-46154.	1.7	7
5005	Electrochemical Detection of Paraâ€nitrophenol using Copper Metal Nanoparticles Modified Gold Electrode. Electroanalysis, 2017, 29, 2780-2787.	1.5	22
5006	Multimicrometer Noncovalent Monolayer Domains on Layered Materials through Thermally Controlled Langmuir–Schaefer Conversion for Noncovalent 2D Functionalization. ACS Applied Materials & Interfaces, 2017, 9, 36409-36416.	4.0	20
5007	Cu ⁰ -Loaded organo-montmorillonite with improved affinity towards hydrogen: an insight into matrix–metal and non-contact hydrogen–metal interactions. Physical Chemistry Chemical Physics, 2017, 19, 29333-29343.	1.3	14
5008	Grand Canonical Quantum Mechanical Study of the Effect of the Electrode Potential on N-Heterocyclic Carbene Adsorption on Au Surfaces. Journal of Physical Chemistry C, 2017, 121, 24618-24625.	1.5	12
5009	Odd–Even Effects in Electroactive Self-Assembled Monolayers Investigated by Electrochemical Surface Plasmon Resonance and Impedance Spectroscopy. Journal of Physical Chemistry C, 2017, 121, 24626-24640.	1.5	36
5010	Coal Wettability After CO ₂ Injection. Energy & amp; Fuels, 2017, 31, 12376-12382.	2.5	27
5011	Carboxymethylated Dextran-Modified <i>N</i> -Heterocyclic Carbene Self-Assembled Monolayers on Gold for Use in Surface Plasmon Resonance Biosensing. ACS Applied Materials & Interfaces, 2017, 9, 39223-39234.	4.0	36
5012	Self-assembled monolayers of sulfonate-terminated alkanethiols investigated by frequency modulation atomic force microscopy in liquid. Nanotechnology, 2017, 28, 455603.	1.3	5
5013	Large-scale protein/antibody patterning with limiting unspecific adsorption. Journal of Nanoparticle Research, 2017, 19, 1.	0.8	1
5015	Quantitative Evaluation of Viral Protein Binding to Phosphoinositide Receptors and Pharmacological Inhibition. Analytical Chemistry, 2017, 89, 9742-9750.	3.2	7

ARTICLE IF CITATIONS Optical-signal-enhancing metasurface platforms for fluorescent molecules at water-transparent 5016 1.7 5 near-infrared wavelengths. RSC Advances, 2017, 7, 37076-37085. High-Yield Functional Molecular Electronic Devices. ACS Nano, 2017, 11, 6511-6548. Mannose Surfaces Exhibit Self-Latching, Water Structuring, and Resilience to Chaotropes: 5018 1.6 20 Implications for Pathogen Virulence. Langmuir, 2017, 33, 9178-9189. Ultra-Sensitive Potentiometric Measurements of Dilute Redox Molecule Solutions and Determination 24 of Sensitivity Factors at Platinum Ultramicroelectrodes. Analytical Chemistry, 2017, 89, 9843-9849. Incorporation of Tetrazolium Blue (TB)/Gold Nanoparticles (GNPs) into Carbon Paste Electrode: 5020 Application as an Electrochemical Sensor for the Sensitive and Selective Determination of Sotalol in 1.5 13 Micellar Medium. Electroanalysis, 2017, 29, 2551-2558. Nano-structural comparison of 2-methacryloyloxyethyl phosphorylcholine- and ethylene glycol-based surface modification for preventing protein and cell adhesion. Colloids and Surfaces B: 2.5 16 Biointerfaces, 2017, 159, 655-661 Controlling Protein Surface Orientation by Strategic Placement of Oligo-Histidine Tags. ACS Nano, 5022 7.3 44 2017, 11, 9068-9083. Molecular Isomerization and Multiscale Phase Transitions of a Ditopic Ligand on a Surface. Journal of 1.5 14 Physical Chemistry C, 2017, 121, 20925-20930. Graphene Growth by Conversion of Aromatic Selfâ€Assembled Monolayers. Annalen Der Physik, 2017, 529, 5024 0.9 8 1700168. Effect of Thiolated Ligands in Au Nanowire Synthesis. Small, 2017, 13, 1702121. 5.2 A large stokes shift fluorescent probe for sensing of thiophenols based on imidazo[1,5- \hat{t}]pyridine in 5026 2.6 45 both aqueous medium and living cells. Analytica Chimica Acta, 2017, 993, 63-70. Linkage, charge state and layer of L-Cysteine on copper surfaces. Colloids and Surfaces B: 2.5 Biointerfaces, 2017, 160, 33-39. Mechanisms of Furfural Reduction on Metal Electrodes: Distinguishing Pathways for Selective 5028 Hydrogenation of Bioderived Oxygenates. Journal of the American Chemical Society, 2017, 139, 6.6 212 14120-14128. Functionalization of single solid state nanopores to mimic biological ion channels: A review. Advances in Colloid and Interface Science, 2017, 250, 195-213. 5029 5030 Reactive Ag⁺ Adsorption onto Gold. Journal of Physical Chemistry C, 2017, 121, 22487-22495. 1.5 7 Molecular Fin Effect from Heterogeneous Self-Assembled Monolayer Enhances Thermal Conductance across Hard–Soft Interfaces. AČS Applied Materials & amp; Interfaces, 2017, 9, 33740-33748. Synthesis, Assembly, and Applications of Hybrid Nanostructures for Biosensing. Chemical Reviews, 5032 23.0 258 2017, 117, 12942-13038. Multi-dimensional charge transport in supramolecular helical foldamer assemblies. Chemical Science, 38 2017, 8, 7251-7257.

#	Article	IF	CITATIONS
5034	Applications of surface-enhanced Raman spectroscopy in the analysis of nanoparticles in the environment. Environmental Science: Nano, 2017, 4, 2093-2107.	2.2	47
5035	Surface energy-tunable iso decyl acrylate based molds for low pressure-nanoimprint lithography. Nanotechnology, 2017, 28, 405301.	1.3	1
5036	Functionalized gold nanorods for nanomedicine: Past, present and future. Coordination Chemistry Reviews, 2017, 352, 15-66.	9.5	65
5037	Systematic Synthesis of Diphenylâ€6ubstituted Carotenoids as Molecular Wires. European Journal of Organic Chemistry, 2017, 2017, 6390-6400.	1.2	6
5038	Building Materials from Colloidal Nanocrystal Assemblies: Molecular Control of Solid/Solid Interfaces in Nanostructured Tetragonal ZrO2. Chemistry of Materials, 2017, 29, 7888-7900.	3.2	12
5039	Simulating the Effect of Charge State on Reactive Landing of a Cyclic Tetrapeptide on Chemically Modified Alkylthiolate Self-Assembled Monolayer Surfaces. Journal of Physical Chemistry C, 2017, 121, 14628-14635.	1.5	9
5040	Surface Structure of 4-Mercaptopyridine on Au(111): A New Dense Phase. Langmuir, 2017, 33, 9565-9572.	1.6	24
5041	Three-dimensional plasmonic Ag/TiO2 nanocomposite architectures on flexible substrates for visible-light photocatalytic activity. Scientific Reports, 2017, 7, 8915.	1.6	37
5042	Gold nanoparticles with patterned surface monolayers for nanomedicine: current perspectives. European Biophysics Journal, 2017, 46, 749-771.	1.2	64
5043	Surface Energyâ€Controlled SERS Substrates for Molecular Concentration at Plasmonic Nanogaps. Advanced Functional Materials, 2017, 27, 1703376.	7.8	84
5044	Manipulation of Biomoleculeâ€Modified Liquidâ€Metal Blobs. Angewandte Chemie - International Edition, 2017, 56, 13606-13611.	7.2	56
5045	Controlled self-organization of polymer nanopatterns over large areas. Scientific Reports, 2017, 7, 10526.	1.6	3
5046	New Tethered Phospholipid Bilayers Integrating Functional G-Protein-Coupled Receptor Membrane Proteins. Langmuir, 2017, 33, 10385-10401.	1.6	25
5047	Manipulation of Biomoleculeâ€Modified Liquidâ€Metal Blobs. Angewandte Chemie, 2017, 129, 13794-13799.	1.6	17
5048	Probing the Sulfur-Modified Capping Layer of Gold Nanoparticles Using Surface Enhanced Raman Spectroscopy (SERS) Effects. Applied Spectroscopy, 2017, 71, 2670-2680.	1.2	1
5049	Advancing Biocapture Substrates via Chemical Lift-Off Lithography. Chemistry of Materials, 2017, 29, 6829-6839.	3.2	24
5050	The influence of surface potential on the optical switching of spiropyran self assembled monolayers. Journal of Physics Condensed Matter, 2017, 29, 414002.	0.7	12
5051	Ab initio calculations on structural and electronic transport properties of six-atom GaN clusters. International Journal of Modern Physics B, 2017, 31, 1750222.	1.0	1

#	Article	IF	CITATIONS
5052	Micellear Gold Nanoparticles as Delivery Vehicles for Dual Tyrosine Kinase Inhibitor ZD6474 for Metastatic Breast Cancer Treatment. Langmuir, 2017, 33, 7649-7659.	1.6	35
5053	Molecular floating-gate single-electron transistor. Scientific Reports, 2017, 7, 1589.	1.6	12
5054	Why organically functionalized nanoparticles increase the electrical conductivity of nematic liquid crystal dispersions. Journal of Materials Chemistry C, 2017, 5, 8802-8809.	2.7	29
5055	Selfâ€assembled gold nanoparticle–molecular electronic networks. Physica Status Solidi (B): Basic Research, 2017, 254, 1700061.	0.7	6
5056	A bioinspired dye sensitized solar cell based on a rhodamine-functionalized peptide immobilized on nanocrystalline TiO 2. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 347, 227-234.	2.0	5
5057	Comprehensive View of the Ligand–Gold Interface from First Principles. Chemistry of Materials, 2017, 29, 6908-6915.	3.2	59
5058	Formation of a New, Strongly Basic Nitrogen Anion by Metal Oxide Modification. Journal of the American Chemical Society, 2017, 139, 11857-11867.	6.6	27
5059	Influence of different cleaning processes on the surface chemistry of gold nanoparticles. Biointerphases, 2017, 12, 031003.	0.6	32
5060	Bismuth Doping of Germanium Nanocrystals through Colloidal Chemistry. Chemistry of Materials, 2017, 29, 7353-7363.	3.2	26
5061	Unique Mixed Phases and Structures of Self-Assembled Monolayers on Au(111) Derived from Methoxy-terminated Mono(ethylene glycol)ethanethiols. Journal of Physical Chemistry C, 2017, 121, 18021-18029.	1.5	15
5062	Spatial and Lateral Control of Functionality by Rigid Molecular Platforms. Chemistry - A European Journal, 2017, 23, 13538-13548.	1.7	38
5063	Molekulares K¤tchenpapier. Angewandte Chemie, 2017, 129, 8405-8410.	1.6	7
5064	Preparation and Self-Assembly of Dendronized Janus Fe ₃ O ₄ –Pt and Fe ₃ O ₄ –Au Heterodimers. ACS Nano, 2017, 11, 7958-7966.	7.3	46
5065	Probing Thiophenol Pollutant in Solutions and Cells with BODIPY-Based Fluorescent Probe. Industrial & Engineering Chemistry Research, 2017, 56, 9303-9309.	1.8	21
5066	Chemical Functionalization of Plasmonic Surface Biosensors: A Tutorial Review on Issues, Strategies, and Costs. ACS Applied Materials & amp; Interfaces, 2017, 9, 29394-29411.	4.0	132
5067	Asymmetric Injection in Organic Transistors via Direct SAM Functionalization of Source and Drain Electrodes. ACS Omega, 2017, 2, 3502-3508.	1.6	11
5068	Platinum-Decorated Gold Nanoparticles with Dual Functionalities for Ultrasensitive Colorimetric in Vitro Diagnostics. Nano Letters, 2017, 17, 5572-5579.	4.5	235
5069	Synthesis, Characterization and Synthetic Applications of Fly-ash:H3PO4 Nanocatalyst. Materials Science and Applied Chemistry, 2017, 34, .	0.2	0

#	Article	IF	CITATIONS
5070	Influence of anchoring groups on single-molecular junction conductance: Theoretical comparative study of thiol and amine. Organic Electronics, 2017, 50, 198-203.	1.4	11
5071	Synthesis and characterization of thiophene-based push-pull chromophores for tuning the electrical and optical properties of surfaces with controlled SAM formation. Tetrahedron, 2017, 73, 5738-5744.	1.0	6
5072	Properties of Self-Assembled Monolayers Revealed via Inverse Tensiometry. Langmuir, 2017, 33, 13451-13467.	1.6	33
5073	Toward high value sensing: monolayer-protected metal nanoparticles in multivariable gas and vapor sensors. Chemical Society Reviews, 2017, 46, 5311-5346.	18.7	77
5074	Room temperature thermally evaporated thin Au film on Si suitable for application of thiol self-assembled monolayers in micro/nano-electro-mechanical-systems sensors. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2017, 35, 041514.	0.9	15
5075	Molecular Mechanisms of Solvent-Controlled Assembly of Phosphonate Monolayers on Oxide Surfaces. Journal of Physical Chemistry C, 2017, 121, 18012-18020.	1.5	8
5076	Thiophene Derivatives on Gold and Molecular Dissociation Processes. Journal of Physical Chemistry C, 2017, 121, 27923-27935.	1.5	29
5077	Quantitative Analysis of Polymer Brush Formation Kinetics Using Quartz Crystal Microbalance: Viscoelasticity of Polymer Brush. Langmuir, 2017, 33, 5166-5172.	1.6	15
5078	Biomimetic Recognition for Acoustic Sensing in Liquids. Springer Series on Chemical Sensors and Biosensors, 2017, , 323-344.	0.5	1
5079	Probing Intermolecular Vibrational Symmetry Breaking in Self-Assembled Monolayers with Ultrahigh Vacuum Tip-Enhanced Raman Spectroscopy. Journal of the American Chemical Society, 2017, 139, 18664-18669.	6.6	30
5081	Relative Thermal Stability of Thiolate- and Selenolate-Bonded Aromatic Monolayers on the Au(111) Substrate. Journal of Physical Chemistry C, 2017, 121, 28031-28042.	1.5	33
5082	Continuous Pore-Spanning Lipid Bilayers on Silicon Oxide-Coated Porous Substrates. Langmuir, 2017, 33, 14175-14183.	1.6	7
5083	Heterogeneous Catalysis "On Demand― Mechanically Controlled Catalytic Activity of a Metal Surface. ACS Applied Materials & Interfaces, 2017, 9, 44264-44269.	4.0	4
5084	Computational investigations of electronic structure modifications of ferrocene-terminated self-assembled monolayers: effects of electron donating/withdrawing functional groups attached on the ferrocene moiety. Physical Chemistry Chemical Physics, 2017, 19, 32715-32722.	1.3	7
5085	Nanoscale-Agglomerate-Mediated Heterogeneous Nucleation. Nano Letters, 2017, 17, 7544-7551.	4.5	43
5086	Molecular Patterning and Directed Self-Assembly of Gold Nanoparticles on GaAs. ACS Applied Materials & Interfaces, 2017, 9, 43363-43369.	4.0	9
5087	Thermal Stability of Self-Assembled Monolayers of <i>n</i> -Hexanethiol on Au(111)-(1 × 1) and Au(001)-(1) Tj l	ETQg0 0 0	rgBT /Overlo

5088	N-Heterocyclic Carbene Self-Assembled Monolayers on Gold as Surface Plasmon Resonance Biosensors. Langmuir, 2017, 33, 13936-13944.	1.6	34
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#	Article	IF	CITATIONS
5089	<i>n</i> -Alkanethiols Directly Grown on a Bare Si(111) Surface: From Disordered to Ordered Transition. Langmuir, 2017, 33, 14244-14251.	1.6	3
5090	Comparison of Biomolecular Force Fields for Alkanethiol Self-Assembled Monolayer Simulations. Journal of Physical Chemistry C, 2017, 121, 26340-26349.	1.5	13
5091	Reaction Mechanism of Area-Selective Atomic Layer Deposition for Al ₂ O ₃ Nanopatterns. ACS Applied Materials & Interfaces, 2017, 9, 41607-41617.	4.0	73
5092	Grafting Commercial Surfactants (Brij, CiEj) and PEG to Electrodes via Aryldiazonium Salts. ACS Applied Materials & Interfaces, 2017, 9, 42313-42326.	4.0	8
5093	Controlling the orientation of probe molecules on surface-enhanced Raman scattering substrates: A novel strategy to improve sensitivity. Analytica Chimica Acta, 2017, 994, 65-72.	2.6	16
5094	Flexible diodes for radio frequency (RF) electronics: a materials perspective. Semiconductor Science and Technology, 2017, 32, 123002.	1.0	64
5095	Selective Induction of Optical Magnetism. Nano Letters, 2017, 17, 7196-7206.	4.5	34
5096	Mussel-Inspired Universal Bioconjugation of Polydiacetylene Liposome for Droplet-Array Biosensors. ACS Applied Materials & Interfaces, 2017, 9, 42210-42216.	4.0	40
5097	Maskless Arbitrary Writing of Molecular Tunnel Junctions. ACS Applied Materials & Interfaces, 2017, 9, 40556-40563.	4.0	27
5098	Electronic noise analyses on organic electronic devices. Journal of Materials Chemistry C, 2017, 5, 7123-7141.	2.7	16
5099	Noncovalent Control of the Electrostatic Potential of Quantum Dots through the Formation of Interfacial Ion Pairs. Journal of the American Chemical Society, 2017, 139, 10126-10132.	6.6	13
5100	A review on ZnO-based electrical biosensors for cardiac biomarker detection. Future Science OA, 2017, 3, FSO196.	0.9	61
5101	Surface-supported metal–organic framework thin films: fabrication methods, applications, and challenges. Chemical Society Reviews, 2017, 46, 5730-5770.	18.7	549
5102	Oxidation State of Capping Agent Affects Spatial Reactivity on Gold Nanorods. Journal of the American Chemical Society, 2017, 139, 9851-9854.	6.6	49
5103	Frequency Dependence of Dynamic Properties of Polyethylene Glycol Molecules on Oscillating Solid–Liquid Interface. Journal of Physical Chemistry C, 2017, 121, 16964-16969.	1.5	5
5104	From dynamic self-assembly to networked chemical systems. Chemical Society Reviews, 2017, 46, 5647-5678.	18.7	241
5105	Insights into the interactions of biomolecules with small gold clusters: a theoretical study from a DFTB perspective. Theoretical Chemistry Accounts, 2017, 136, 1.	0.5	9
5106	Rationalizing the formation of binary mixed thiol self-assembled monolayers. Materials Today Chemistry, 2017, 5, 34-42.	1.7	13

	CHATON		
#	ARTICLE Unfolding IGDQ Peptides for Engineering Motogenic Interfaces. Langmuir, 2017, 33, 7512-7528.	IF	Citations 2
5107	uniolaling IGDQ Peptides for Engineering Motogenic Interfaces. Langinuit, 2017, 55, 7512-7528.	1.6	2
5108	Computational anharmonic force fields of CuSH and CuSD. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 155102.	0.6	5
5109	Self-assembled monolayer assisted binding of partially oxidized graphene on gold: Tunable electron-transfer mediation and in-situ electrochemical disassembly. Applied Surface Science, 2017, 425, 188-193.	3.1	6
5110	Hexane selenol dissociation on Cu: The protective role of oxide and water. Applied Surface Science, 2017, 423, 716-720.	3.1	4
5111	Fabrication of mechanically stable Au-coatings on probes of atomic force microscopes for nano-mechanical and -optical measurements. Thin Solid Films, 2017, 636, 478-484.	0.8	1
5112	Effects of Embedded Dipole Layers on Electrostatic Properties of Alkanethiolate Self-Assembled Monolayers. Journal of Physical Chemistry C, 2017, 121, 15815-15830.	1.5	45
5113	2.4 Self-Assembling Biomaterials â~†. , 2017, , 67-89.		2
5114	A molecular modeling based method to predict elution behavior and binding patches of proteins in multimodal chromatography. Journal of Chromatography A, 2017, 1511, 45-58.	1.8	18
5115	Mechanically and Electrically Robust Self-Assembled Monolayers for Large-Area Tunneling Junctions. Journal of Physical Chemistry C, 2017, 121, 14920-14928.	1.5	29
5116	Microfluidic Surface Titrations of Electroactive Thin Films. Langmuir, 2017, 33, 7053-7061.	1.6	5
5117	Electrochemical Investigation of Chemical Lift-off Lithography on Au and ITO. Electrochimica Acta, 2017, 246, 165-172.	2.6	5
5118	Facile Synthesis of ⁶⁴ Cuâ€Doped Au Nanocages for Positron Emission Tomography Imaging. ChemNanoMat, 2017, 3, 44-50.	1.5	16
5119	Degradation of alkanethiol selfâ€assembled monolayers in mesenchymal stem cell culture. Journal of Biomedical Materials Research - Part A, 2017, 105, 464-474.	2.1	6
5120	Growth of 4-aminothiophenol on iodine modified Au(100) studied by scanning tunneling microscopy. Surface Science, 2017, 655, 17-24.	0.8	3
5121	Characterizing Self-Assembled Monolayers on Gold Nanoparticles. Bioconjugate Chemistry, 2017, 28, 11-22.	1.8	71
5122	Organic Spinâ€Valves and Beyond: Spin Injection and Transport in Organic Semiconductors and the Effect of Interfacial Engineering. Advanced Materials, 2017, 29, 1602739.	11.1	63
5123	Nanotechnology in Glycomics: Applications in Diagnostics, Therapy, Imaging, and Separation Processes. Medicinal Research Reviews, 2017, 37, 514-626.	5.0	45
5124	Optical performance of Au hemispheric sub-microstructure on polystyrene quadrumer. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 513, 51-56.	2.3	0

#	Article	IF	CITATIONS
5125	An improved glycerol biosensor with an Au-FeS-NAD-glycerol-dehydrogenase anode. Biosensors and Bioelectronics, 2017, 92, 417-424.	5.3	17
5126	Nanoparticles influence on wetting behaviour of fractured limestone formation. Journal of Petroleum Science and Engineering, 2017, 149, 782-788.	2.1	77
5127	Synthetic Routes to Thiolâ€Functionalized Organic Semiconductors for Molecular and Organic Electronics. Asian Journal of Organic Chemistry, 2017, 6, 120-138.	1.3	14
5128	On the temperature dependency and reversibility of sheet resistance of silver nanoparticles covered by 3-mercaptopropionic acid. Journal of Materials Science: Materials in Electronics, 2017, 28, 4035-4043.	1.1	3
5129	Surface-Plasmon-Coupled Fluorescence Enhancement Based on Ordered Gold Nanorod Array Biochip for Ultrasensitive DNA Analysis. Analytical Chemistry, 2017, 89, 633-639.	3.2	109
5130	Efficient Characterization of Bulk Heterojunction Films by Mapping Gradients by Reversible Contact with Liquid Metal Top Electrodes. Chemistry of Materials, 2017, 29, 389-398.	3.2	11
5131	The Interaction of 1,1′â€Diphosphaferrocenes with Gold: Molecular Coordination Chemistry and Adsorption on Solid Substrates. European Journal of Inorganic Chemistry, 2017, 2017, 351-359.	1.0	5
5132	Depletion sphere: Explaining the number of Ag islands on Au nanoparticles. Chemical Science, 2017, 8, 430-436.	3.7	57
5133	Mecaptosuccinic acid modified gold nanoparticles as colorimetric sensor for fast detection and simultaneous identification of Cr 3+. Sensors and Actuators B: Chemical, 2017, 239, 865-873.	4.0	32
5134	Colorimetric detection of glucose based on gold nanoparticles coupled with silver nanoparticles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 173, 207-212.	2.0	89
5135	Accelerating the design of gold/polymers/silica-based imprinted nanocomposite for light-triggered recognition and separation of biomolecules. Chemical Engineering Journal, 2017, 307, 621-630.	6.6	23
5136	A multi-responsive molecular switch based on a diarylethene derivative containing dinitrobenzenesulfonic amide groups. Dyes and Pigments, 2017, 136, 354-360.	2.0	13
5137	Detection of Small Molecules Using Long-Range Surface Plasmon Polariton Waveguides. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 103-112.	1.9	17
5138	A sensitive DNA capacitive biosensor using interdigitated electrodes. Biosensors and Bioelectronics, 2017, 87, 646-653.	5.3	85
5139	Molecular sensors confined on SiOx substrates. Coordination Chemistry Reviews, 2017, 330, 144-163.	9.5	31
5140	Self-assembled monolayers in organic electronics. Chemical Society Reviews, 2017, 46, 40-71.	18.7	437
5141	Biosensors for plant pathogen detection. Biosensors and Bioelectronics, 2017, 93, 72-86.	5.3	201
5142	An electrochemical lipopolysaccharide sensor based on an immobilized Toll-Like Receptor-4. Biosensors and Bioelectronics, 2017, 87, 794-801.	5.3	24

	Сп	ration Report	
#	Article	IF	CITATIONS
5143	Ballbot-type motion of N-heterocyclic carbenes on gold surfaces. Nature Chemistry, 2017, 9, 152-156.	6.6	192
5144	Why is Ferrocene so Exceptional?. European Journal of Inorganic Chemistry, 2017, 2017, 6-29.	1.0	423
5145	High performance fibers from aramid polymers. , 2017, , 245-266.		7
5146	One-pot reaction for the preparation of biofunctionalized self-assembled monolayers on gold surfaces. Applied Surface Science, 2017, 394, 288-296.	3.1	9
5147	Facile bio-functionalized design of thermally responsive molecularly imprinted composite membrane for temperature-dependent recognition and separation applications. Chemical Engineering Journal, 2017, 309, 98-107.	6.6	48
5148	Pulsed laser ablation based synthesis of colloidal metal nanoparticles for catalytic applications. Journal of Colloid and Interface Science, 2017, 489, 138-149.	5.0	178
5149	Preparation and immunogenicity of gold glyco-nanoparticles as antipneumococcal vaccine model. Nanomedicine, 2017, 12, 13-23.	1.7	66
5150	Polydopamine coating in organic solvent for material-independent immobilization of water-insoluble molecules and avoidance of substrate hydrolysis. Journal of Industrial and Engineering Chemistry, 2017, 46, 379-385.	2.9	51
5151	Formation of self-assembled monolayer of curcuminoid molecules on gold surfaces. Applied Surface Science, 2017, 392, 834-840.	3.1	5
5152	Nucleic Acid-Based Aptasensors for Cancer Diagnostics: An Insight into Immobilisation Strategies. , 2017, , 205-231.		1
5154	Energy Level Alignment of Organic Molecules with Chemically Modified Alkanethiolate Self-Assembled Monolayers. Journal of Physical Chemistry C, 2017, 121, 27399-27405.	1.5	4
5155	Multiple dimensions of functional relevance of genosensors. Integrated Ferroelectrics, 2017, 185, 134-143.	0.3	7
5156	Use of self-assembled monolayers for selective metal removal and ultrathin gate dielectrics in MoS2 field-effect transistors. Japanese Journal of Applied Physics, 2017, 56, 04CP10.	0.8	3
5159	Precise dispensing technology for point-of-care diagnosis with micro-volume blood. , 2017, , .		0
5160	Taste-Masking Effect of Chlorogenic Acid (CGA) on Bitter Drugs Evaluated by Taste Sensor and Surface Plasmon Resonance on the Basis of CGA–Drug Interactions. Chemical and Pharmaceutical Bulletin, 2017, 65, 127-133.	e 0.6	8
5161	Influence of shaleâ€ŧotal organic content on CO ₂ geoâ€storage potential. Geophysical Research Letters, 2017, 44, 8769-8775.	1.5	107
5162	Molecular dynamics simulations of nanoscale engravings on an alkanethiol monolayer. RSC Advances, 2017, 7, 35537-35542.	1.7	2
5163	The Effect of Adsorption of Ions of the Hexacyanoferrate(II)/(III) Redox Pair on Self-Assembly of Octanethiol at Its Adsorption from Aqueous Solutions on Gold Electrode. Russian Journal of Electrochemistry, 2017, 53, 1246-1253.	0.3	1

#	Article	IF	CITATIONS
5164	A review of molecular phase separation in binary self-assembled monolayers of thiols on gold surfaces. Europhysics Letters, 2017, 119, 66001.	0.7	13
5165	Chimeric biomolecules. , 2017, , 285-324.		2
5166	Self-Assembled Monolayers of Carbohydrate Derivatives on Gold Surfaces. , 0, , .		10
5167	Surface ligand controls silver ion release of nanosilver and its antibacterial activity against Escherichia coli . International Journal of Nanomedicine, 2017, Volume 12, 3193-3206.	3.3	111
5168	Self-Assembled Materials for Catalysis. , 2017, , 329-349.		0
5169	A Micro-Comb Test System for In Situ Investigation of Infiltration and Crystallization Processes. Minerals (Basel, Switzerland), 2017, 7, 187.	0.8	2
5170	Review of SERS Substrates for Chemical Sensing. Nanomaterials, 2017, 7, 142.	1.9	468
5171	A Simple Method to Allow Parylene-C Coatings on Gold Substrates. Proceedings (mdpi), 2017, 1, 299.	0.2	3
5172	Highly Sensitive FPW-Based Microsystem for Rapid Detection of Tetrahydrocannabinol in Human Urine. Sensors, 2017, 17, 2760.	2.1	6
5173	A Sensitive and Stable Surface Plasmon Resonance Sensor Based on Monolayer Protected Silver Film. Sensors, 2017, 17, 2777.	2.1	64
5174	Surface Adsorption. , 2017, , 387-416.		4
5175	Aqueous-Organic Phase Transfer of Gold and Silver Nanoparticles Using Thiol-Modified Oleic Acid. Applied Sciences (Switzerland), 2017, 7, 273.	1.3	19
5176	Self-Assembly of Human Serum Albumin: A Simplex Phenomenon. Biomolecules, 2017, 7, 69.	1.8	0
5177	Nanoplasmonic mid-infrared biosensor for in vitro protein secondary structure detection. Light: Science and Applications, 2017, 6, e17029-e17029.	7.7	93
5178	Fluorescence-Free Biosensor Methods in Detection of Food Pathogens with a Special Focus on Listeria monocytogenes. Biosensors, 2017, 7, 63.	2.3	23
5179	Patterning of supported gold monolayers via chemical lift-off lithography. Beilstein Journal of Nanotechnology, 2017, 8, 2648-2661.	1.5	16
5180	Sulfamide chemistry applied to the functionalization of self-assembled monolayers on gold surfaces. Beilstein Journal of Organic Chemistry, 2017, 13, 648-658.	1.3	5
5181	Triptycene-terminated thiolate and selenolate monolayers on Au(111). Beilstein Journal of Nanotechnology, 2017, 8, 892-905.	1.5	18

#	Article	IF	CITATIONS
5182	Interaction of polymeric biomaterials with bacteria (static). , 2017, , 317-337.		1
5183	Introduction to Chemically Modified Nanochannels and Nanopores. , 2017, , 1-25.		8
5184	Electrical Probes of DNA-Binding Proteins. Methods in Enzymology, 2017, 591, 355-414.	0.4	3
5185	Cu passivation with self-assembled monolayers for direct metal bonding in 3D integration. , 2017, , .		0
5186	Targeted Drug Delivery Based on Gold Nanoparticle Derivatives. Current Pharmaceutical Design, 2017, 23, 2918-2929.	0.9	67
5187	Sub-Micrometer Patterning Using Soft Lithography. , 2017, , .		1
5188	Engineering Surface Ligands of Noble Metal Nanocatalysts in Tuning the Product Selectivity. Catalysts, 2017, 7, 44.	1.6	50
5189	Using Impedance Measurements to Characterize Surface Modified with Gold Nanoparticles. Sensors, 2017, 17, 2141.	2.1	15
5190	Deposition of exchange-coupled dinickel complexes on gold substrates utilizing ambidentate mercapto-carboxylato ligands. Beilstein Journal of Nanotechnology, 2017, 8, 1375-1387.	1.5	3
5191	Application of visible-light photosensitization to form alkyl-radical-derived thin films on gold. Beilstein Journal of Nanotechnology, 2017, 8, 1863-1877.	1.5	1
5192	Direct writing of gold nanostructures with an electron beam: On the way to pure nanostructures by combining optimized deposition with oxygen-plasma treatment. Beilstein Journal of Nanotechnology, 2017, 8, 2530-2543.	1.5	14
5193	Synthesis and Surface Engineering of Gold Nanoparticles, and Their Potential Applications in Bionanotechnology. , 2017, , .		0
5194	Condensation Products of D-Ribose with Thiol-Containing Hydrazides and Gold Glyconanoparticles Thereof. Russian Journal of General Chemistry, 2018, 88, 103-108.	0.3	12
5195	Hybrid Interfaces in Molecular Spintronics. Chemical Record, 2018, 18, 737-748.	2.9	24
5196	Cysteamine-modified ZIF-8 colloidal building blocks: Direct assembly of nanoparticulate MOF films on gold surfaces via thiol chemistry. Materials Today Chemistry, 2018, 8, 29-35.	1.7	18
5197	Polydopamine Surface Chemistry: A Decade of Discovery. ACS Applied Materials & Interfaces, 2018, 10, 7523-7540.	4.0	1,232
5198	Electrochemically driven host–guest interactions on patterned donor/acceptor self-assembled monolayers. Chemical Communications, 2018, 54, 3038-3041.	2.2	5
5199	Surface Physicochemical and Structural Analysis of Functionalized Titanium Dioxide Films. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 546, 168-178.	2.3	30

#	Article	IF	CITATIONS
5200	Adsorption and Fibrillization of Islet Amyloid Polypeptide at Self-Assembled Monolayers Studied by QCM-D, AFM, and PM-IRRAS. Langmuir, 2018, 34, 3517-3524.	1.6	31
5201	Engineering Nitroxide Functional Surfaces Using Bioinspired Adhesion. Langmuir, 2018, 34, 3264-3274.	1.6	21
5202	Optical Properties of Single- and Double-Functionalized Small Diamondoids. Journal of Physical Chemistry A, 2018, 122, 3583-3593.	1.1	10
5203	Concentration-dependent photophysical switching in mixed self-assembled monolayers of pentacene and perylenediimide on gold nanoclusters. Physical Chemistry Chemical Physics, 2018, 20, 8695-8706.	1.3	6
5204	Bifunctionalized Redox-Responsive Layers Prepared from a Thiolactone Copolymer. Langmuir, 2018, 34, 5234-5244.	1.6	10
5205	Optimization of a nano-cantilever biosensor for reduced self-heating effects and improved performance metrics. Journal of Micromechanics and Microengineering, 2018, 28, 085012.	1.5	11
5206	Zero-mode waveguide nanophotonic structures for single molecule characterization. Journal Physics D: Applied Physics, 2018, 51, 193001.	1.3	22
5207	Large Builtâ€In Fields Control the Electronic Properties of Nanoscale Molecular Devices with Dipolar Structures. Advanced Electronic Materials, 2018, 4, 1700656.	2.6	16
5208	Sticky-flares for <i>in situ</i> monitoring of human telomerase RNA in living cells. Nanoscale, 2018, 10, 9386-9392.	2.8	18
5209	Atomically thin transition metal layers: Atomic layer stabilization and metal-semiconductor transition. Journal of Applied Physics, 2018, 123, 154301.	1.1	8
5210	Large-area gold nanohole arrays fabricated by one-step method for surface plasmon resonance biochemical sensing. Science China Life Sciences, 2018, 61, 476-482.	2.3	8
5211	Cyclic Voltammetry and <i>in situ</i> Infrared Reflection Absorption Spectroscopy on Kinetic Effect of Physisorbed Dioctadecylsulfide on a Cu-UPD Process on Au(111) Electrode Surface. E-Journal of Surface Science and Nanotechnology, 2018, 16, 60-65.	0.1	0
5212	Wide-Field Surface Plasmon Resonance Microscopy for In-Situ Characterization of Nanoparticle Suspensions. , 2018, , 61-105.		3
5213	Surface Modified with a Host Defense Peptide-Mimicking β-Peptide Polymer Kills Bacteria on Contact with High Efficacy. ACS Applied Materials & Interfaces, 2018, 10, 15395-15400.	4.0	117
5214	Surface analysis: From single crystals to biomaterials. Surface and Interface Analysis, 2018, 50, 981-990.	0.8	7
5215	Chemical Routes to Surface Enhanced Infrared Absorption (SEIRA) Substrates. Zeitschrift Fur Physikalische Chemie, 2018, 232, 1527-1539.	1.4	5
5216	Nanoscale Lacing by Electrons. Small, 2018, 14, 1800598.	5.2	5
5217	Self-assembly on copper surface by using imidazole derivative for corrosion protection. Journal of Adhesion Science and Technology, 2018, 32, 1733-1749.	1.4	16

#	Article	IF	CITATIONS
5218	Sharing of Na ⁺ by Three â^'COO [–] Groups at Deprotonated Carboxyl-Terminated Self-Assembled Monolayer-Charged Aqueous Interface. Journal of Physical Chemistry C, 2018, 122, 9111-9116.	1.5	3
5219	Nanostructure and Microstructure Fabrication: From Desired Properties to Suitable Processes. Small, 2018, 14, e1703401.	5.2	55
5220	Carbon dioxide/brine wettability of porous sandstone versus solid quartz: An experimental and theoretical investigation. Journal of Colloid and Interface Science, 2018, 524, 188-194.	5.0	49
5221	Instructive microenvironments in skin wound healing: Biomaterials as signal releasing platforms. Advanced Drug Delivery Reviews, 2018, 129, 95-117.	6.6	127
5222	Stimuli-Responsive Functionalization Strategies to Spatially and Temporally Control Surface Properties: Michael vs Diels–Alder Type Additions. Journal of Physical Chemistry B, 2018, 122, 4481-4490.	1.2	13
5223	A Parametric Rosetta Energy Function Analysis with LK Peptides on SAM Surfaces. Langmuir, 2018, 34, 5279-5289.	1.6	4
5224	Methodologies for "Wiring―Redox Proteins/Enzymes to Electrode Surfaces. Chemistry - A European Journal, 2018, 24, 12164-12182.	1.7	96
5225	Photoactive Molecular Dyads [Ru(bpy) ₃ –M(ttpy) ₂] ^{<i>n</i>+} on Gold (M = Co(III), Zn(II)): Characterization, Intrawire Electron Transfer, and Photoelectric Conversion. Langmuir, 2018, 34, 5193-5203.	1.6	3
5226	Complex Organic Synthesis: Structure, Properties, and/or Function?. Israel Journal of Chemistry, 2018, 58, 142-150.	1.0	18
5227	Polyelectrolyte complex films influence the formation of polycrystalline micro-structures. Soft Matter, 2018, 14, 3164-3170.	1.2	5
5228	XPS study during a soft and progressive sputtering of a monolayer on indium phosphide by argon cluster bombardment. Surface and Interface Analysis, 2018, 50, 1163-1167.	0.8	2
5229	Characterization and electrochemical response of DNA functionalized 2 nm gold nanoparticles confined in a nanochannel array. Bioelectrochemistry, 2018, 121, 169-175.	2.4	5
5230	Synchrotron-based X-ray fluorescence study of gold nanorods and skin elements distribution into excised human skin layers. Colloids and Surfaces B: Biointerfaces, 2018, 165, 118-126.	2.5	14
5232	A Review on Surface Stress-Based Miniaturized Piezoresistive SU-8 Polymeric Cantilever Sensors. Nano-Micro Letters, 2018, 10, 35.	14.4	71
5233	Conductive nitrides: Growth principles, optical and electronic properties, and their perspectives in photonics and plasmonics. Materials Science and Engineering Reports, 2018, 123, 1-55.	14.8	180
5234	Self-assembled monolayer-modified ITO for efficient organic light-emitting diodes: The impact of different self-assemble monolayers on interfacial and electroluminescent properties. Organic Electronics, 2018, 56, 89-95.	1.4	23
5235	Passivation in perovskite solar cells: A review. Materials Today Energy, 2018, 7, 267-286.	2.5	170
5236	Acid–Base Control of Valency within Carboranedithiol Self-Assembled Monolayers: Molecules Do the Can-Can_ACS Nano_2018_12_2211-2221	7.3	23

#	Article	IF	CITATIONS
5237	Pulsed Molecular Optomechanics in Plasmonic Nanocavities: From Nonlinear Vibrational Instabilities to Bond-Breaking. Physical Review X, 2018, 8, .	2.8	47
5239	Solving the Long-Standing Controversy of Long-Chain Alkanethiols Surface Structure on Au(111). Journal of Physical Chemistry C, 2018, 122, 3893-3902.	1.5	14
5240	Effect of brine composition on oil-rock interaction by atomic force microscopy. Journal of Petroleum Science and Engineering, 2018, 164, 289-301.	2.1	19
5241	Three-dimensional graphene nanosheet doped with gold nanoparticles as electrochemical DNA biosensor for bacterial detection. Sensors and Actuators B: Chemical, 2018, 262, 860-868.	4.0	26
5242	Electronic structure of dipeptides in the gas-phase and as an adsorbed monolayer. Physical Chemistry Chemical Physics, 2018, 20, 6860-6867.	1.3	9
5243	Diazonium-functionalized thin films from the spontaneous reaction of <i>p</i> -phenylenebis(diazonium) salts. RSC Advances, 2018, 8, 6690-6698.	1.7	9
5244	Thin Film Condensation on Nanostructured Surfaces. Advanced Functional Materials, 2018, 28, 1707000.	7.8	60
5245	Se–C Cleavage of Hexane Selenol at Steps on Au(111). Langmuir, 2018, 34, 2630-2636.	1.6	2
5246	Bioinspired Assembly of Hierarchical Lightâ€Harvesting Architectures for Improved Photophosphorylation. Advanced Functional Materials, 2018, 28, 1706557.	7.8	35
5247	Direct Imprinting of Scalable, High-Performance Woodpile Electrodes for Three-Dimensional Lithium-Ion Nanobatteries. ACS Applied Materials & Interfaces, 2018, 10, 5447-5454.	4.0	25
5248	Multiplex Surface Plasmon Resonance Imaging-Based Biosensor for Human Pancreatic Islets Hormones Quantification. Analytical Chemistry, 2018, 90, 3132-3139.	3.2	41
5249	Self-assembly monolayers boosting organic–inorganic halide perovskite solar cell performance. Journal of Materials Research, 2018, 33, 387-400.	1.2	38
5250	The Role of Oligomeric Gold–Thiolate Units in Single-Molecule Junctions of Thiol-Anchored Molecules. Journal of Physical Chemistry C, 2018, 122, 3211-3218.	1.5	41
5251	Light-enabled reversible self-assembly and tunable optical properties of stable hairy nanoparticles. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E1391-E1400.	3.3	106
5252	Heterogeneous Amyloid β-Sheet Polymorphs Identified on Hydrogen Bond Promoting Surfaces Using 2D SFG Spectroscopy. Journal of Physical Chemistry A, 2018, 122, 1270-1282.	1.1	22
5253	Solvent-Controlled Morphology of Catalytic Monolayers at Solid–Liquid Interfaces. Journal of Physical Chemistry C, 2018, 122, 2259-2267.	1.5	6
5254	Understanding interface (odd–even) effects in charge tunneling using a polished EGaIn electrode. Physical Chemistry Chemical Physics, 2018, 20, 4864-4878.	1.3	28
5255	Magnetic Actuation of Multifunctional Nanorobotic Platforms to Induce Cancer Cell Death. Advanced Biology, 2018, 2, 1700220.	3.0	20

#	Article	IF	CITATIONS
5256	Alkanethiol self-assembled monolayer on copper polycrystalline thin films: Influence on resistivity. Materials Chemistry and Physics, 2018, 208, 97-102.	2.0	9
5257	Hierarchically Patterned Noncovalent Functionalization of 2D Materials by Controlled Langmuir–Schaefer Conversion. Langmuir, 2018, 34, 1353-1362.	1.6	25
5258	Colorimetric Nanosensor Based on the Aggregation of AuNP Triggered by Carbon Quantum Dots for Detection of Ag ⁺ lons. ACS Sustainable Chemistry and Engineering, 2018, 6, 3706-3713.	3.2	56
5259	DFT study of the adsorption and dissociation of 5-hydroxy-3-butanedithiol-1,4-naphthaquinone (Jug-C4-thiol) on Au(111) surface. Adsorption, 2018, 24, 191-201.	1.4	4
5260	Two-step biocompatible surface functionalization for two-pathway antimicrobial action against Gram-positive bacteria. Colloids and Surfaces B: Biointerfaces, 2018, 164, 262-271.	2.5	17
5261	Energy Level Alignment at Interfaces Between Au (111) and Thiolated Oligophenylenes of Increasing Chain Size: Theoretical Evidence of Pinning Effects. Advanced Theory and Simulations, 2018, 1, 1700020.	1.3	13
5262	Model Biological Membranes and Possibilities of Application of Electrochemical Impedance Spectroscopy for their Characterization. Electroanalysis, 2018, 30, 207-219.	1.5	13
5263	Scaling Laws for Polymer Chains Grafted onto Nanoparticles. Macromolecular Chemistry and Physics, 2018, 219, 1700417.	1.1	16
5264	Imaging resolution of biocatalytic activity using nanoscale scanning electrochemical microscopy. Nano Research, 2018, 11, 4232-4244.	5.8	7
5265	Self-assembled monolayers of organosulfur derivative on gold nanoparticles as electrochemical sensor for determination of isoprenaline. Journal of the Iranian Chemical Society, 2018, 15, 1061-1068.	1.2	7
5266	Nanoscale Control of Molecular Self-Assembly Induced by Plasmonic Hot-Electron Dynamics. ACS Nano, 2018, 12, 2184-2192.	7.3	60
5267	Supramolecular scaffolds enabling the controlled assembly of functional molecular units. Chemical Science, 2018, 9, 2028-2041.	3.7	72
5268	Structuring of Fluid Adlayers upon Ongoing Unimolecular Adsorption. Physical Review Letters, 2018, 120, 036001.	2.9	3
5269	Ultrafast Tailoring of Carbon Surfaces via Electrochemically Attached Triazolinediones. Langmuir, 2018, 34, 2397-2402.	1.6	13
5270	<i>N</i> -Heterocyclic Carbenes as a Robust Platform for Surface-Enhanced Raman Spectroscopy. Journal of the American Chemical Society, 2018, 140, 1247-1250.	6.6	45
5271	Strong Hydrogen Bonds at the Interface between Proton-Donating and -Accepting Self-Assembled Monolayers on Au(111). Langmuir, 2018, 34, 2189-2197.	1.6	16
5272	Self-Sorting of Heteroanions in the Assembly of Cross-Shaped Polyoxometalate Clusters. Journal of the American Chemical Society, 2018, 140, 2595-2601.	6.6	62
5273	Determining the thickness of aliphatic alcohol monolayers covalently attached to silicon oxide surfaces using angle-resolved X-ray photoelectron spectroscopy. Applied Surface Science, 2018, 436, 907-911.	3.1	6

CITATION	DEDODT
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#	Article	IF	CITATIONS
5274	Remarkable Differences in Spin Couplings for Various Selfâ€Paired Dimers of Ringâ€Expansionâ€Radicalized Uracil: A Basis for the Design of Magnetically Anisotropic Assemblies. ChemPhysChem, 2018, 19, 208-219.	1.0	5
5275	Impedimetric Sensors in Environmental Analysis: An Overview. Energy, Environment, and Sustainability, 2018, , 67-85.	0.6	3
5276	Dual quenching strategy for sensitive detection of toxic thiolphenols based on a NIR-illuminant platform with a large Stokes shift. Dyes and Pigments, 2018, 151, 194-201.	2.0	46
5277	Multiplex Binding of Amyloid-like Protein Nanofilm to Different Material Surfaces. Colloids and Interface Science Communications, 2018, 22, 42-48.	2.0	64
5278	An integrated experimental-theoretical approach to understand the electron transfer mechanism of adsorbed ferrocene-terminated alkanethiol monolayers. Electrochimica Acta, 2018, 265, 303-315.	2.6	5
5279	Chemical characterization of fluorinated/hydrogenated mixed monolayers grafted on gold nanoparticles. Journal of Fluorine Chemistry, 2018, 206, 99-107.	0.9	5
5280	Odd–Even Effect in Molecular Packing of Self-Assembled Monolayers of Biphenyl-Substituted Fatty Acid on Ag(111). Journal of Physical Chemistry C, 2018, 122, 919-928.	1.5	16
5281	Photoâ€responsive Bioactive Surfaces Based on Cucurbit[8]urilâ€Mediated Host–Guest Interactions of Arylazopyrazoles. Chemistry - A European Journal, 2018, 24, 813-817.	1.7	33
5282	High sensitivity gram-negative bacteria biosensor based on a small-molecule modified surface plasmon resonance chip studied using a laser scanning confocal imaging-surface plasmon resonance system. Sensors and Actuators B: Chemical, 2018, 259, 492-497.	4.0	15
5283	Electrochemical Shell-Isolated Nanoparticle-Enhanced Raman Spectroscopy: Bonding, Structure, and Ion-Pairing of the Positive Charge Bearing Pyridinium Ring Terminated Monolayer at Smooth Gold Electrode. Journal of Physical Chemistry C, 2018, 122, 1234-1242.	1.5	12
5284	Structure and Stability of PEG―and Mixed PEGâ€Layerâ€Coated Nanoparticles at High Particle Concentrations Studied In Situ by Smallâ€Angle Xâ€Ray Scattering. Particle and Particle Systems Characterization, 2018, 35, 1700319.	1.2	17
5285	Beyond Simple Cartoons: Challenges in Characterizing Electrochemical Biosensor Interfaces. ACS Sensors, 2018, 3, 5-12.	4.0	70
5286	Influence of the Contact Area on the Current Density across Molecular Tunneling Junctions Measured with EGaIn Top-Electrodes. Chemistry of Materials, 2018, 30, 129-137.	3.2	35
5287	Controlled decoration of boron-doped diamond electrodes by electrochemical click reaction (eâ^'CLICK). Carbon, 2018, 130, 350-354.	5.4	18
5288	Two-Step Nanoscale Approach for Well-Defined Complex Alkanethiol Films on Au Surfaces. Langmuir, 2018, 34, 66-72.	1.6	6
5289	Artificial antibody created by conformational reconstruction of the complementary-determining region on gold nanoparticles. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E34-E43.	3.3	25
5290	Whole-Cell <i>Pseudomonas aeruginosa</i> Localized Surface Plasmon Resonance Aptasensor. Analytical Chemistry, 2018, 90, 2326-2332.	3.2	59
5291	Model of Local Work Function and PZC for Molecular Self Assembly over Nanostructured Metal Electrode. Journal of Physical Chemistry C, 2018, 122, 911-918.	1.5	10

#	Article	IF	CITATIONS
5292	Dually responsive gold–iron oxide heterodimers: merging stimuli-responsive surface properties with intrinsic inorganic material features. Nanoscale, 2018, 10, 3930-3944.	2.8	19
5293	A rhodamine-based fluorescent probe for colorimetric and fluorescence lighting-up determination of toxic thiophenols in environmental water and living cells. Talanta, 2018, 181, 239-247.	2.9	35
5294	Control of interfacial acid–metal catalysis with organic monolayers. Nature Catalysis, 2018, 1, 148-155.	16.1	74
5295	Monitoring Thiol–Ligand Exchange on Au Nanoparticle Surfaces. Langmuir, 2018, 34, 1700-1710.	1.6	32
5296	Protein bioelectronics: a review of what we do and do not know. Reports on Progress in Physics, 2018, 81, 026601.	8.1	180
5297	Utility of PEGylated dithiolane ligands for direct synthesis of water-soluble Au, Ag, Pt, Pd, Cu and AuPt nanoparticles. Chemical Communications, 2018, 54, 1956-1959.	2.2	12
5298	Thienylene vinylene dimerization: from solution to self-assembled monolayer on gold. Nanoscale, 2018, 10, 1613-1616.	2.8	5
5299	NaHS Induces Complete Nondestructive Ligand Displacement from Aggregated Gold Nanoparticles. Journal of Physical Chemistry C, 2018, 122, 2137-2144.	1.5	8
5300	Role of outer surface probes for regulating ion gating of nanochannels. Nature Communications, 2018, 9, 40.	5.8	117
5301	Organocatalytic [3 + 2] cycloaddition of oxindole-based azomethine ylides with 3-nitrochromenes: a facile approach to enantioenriched polycyclic spirooxindole-chromane adducts. Organic and Biomolecular Chemistry, 2018, 16, 807-815.	1.5	23
5302	Zirconium(IV) oxide: New coating material for nanoresonators for shell-isolated nanoparticle-enhanced Raman spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 193, 480-485.	2.0	12
5303	Structure and Thermal Stability of Stilbenedithiol SAMs on Au(111). Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1700859.	0.8	1
5304	In Situ Observations of UV-Induced Restructuring of Self-Assembled Porphyrin Monolayer on Liquid/Au(111) Interface at Molecular Level. Langmuir, 2018, 34, 6003-6009.	1.6	11
5305	Targeted Imaging of Renal Fibrosis Using Antibody-Conjugated Gold Nanoparticles in Renal Artery Stenosis. Investigative Radiology, 2018, 53, 623-628.	3.5	15
5306	Thiol-functionalization of Mn 5 Ge 3 thin films. Applied Surface Science, 2018, 451, 191-197.	3.1	4
5307	Spectroscopic Study of Water Adsorption and Desorption on/from Oligo(ethylene glycol)-Substituted Alkanethiolate Self-Assembled Monolayers. Journal of Physical Chemistry C, 2018, 122, 10918-10928.	1.5	5
5308	Formation of hydrogen bond-based 2D two-component supramolecular networks at liquid-solid surface. Physica E: Low-Dimensional Systems and Nanostructures, 2018, 101, 197-200.	1.3	6
5309	Surface-Enhanced Dual-Frequency Two-Dimensional Vibrational Spectroscopy of Thin Layers at an Interface. Journal of Physical Chemistry C, 2018, 122, 11015-11023.	1.5	21

#	Article	IF	CITATIONS
5310	Controlled hierarchical architecture in poly [oligo (ethylene glycol) methacrylate-b-glycidyl methacrylate] brushes for enhanced label-free biosensing. Applied Surface Science, 2018, 450, 236-243.	3.1	8
5311	Perylene diimide cysteine derivatives self-assembled onto (111) gold surface: Evidence of ordered aggregation. Surface Science, 2018, 675, 15-25.	0.8	1
5312	Electrocatalytic Behavior of Pd and Pt Nanoislands Deposited onto 4,4′-Dithiodipyridine SAMs on Au(111). Electrocatalysis, 2018, 9, 505-513.	1.5	10
5313	Boronic acids as molecular inks for surface functionalization of polyvinyl alcohol substrates. New Journal of Chemistry, 2018, 42, 7392-7398.	1.4	8
5314	Tuning Optoelectronic and Chiroptic Properties of Peptideâ€Based Materials by Controlling the Pathway Complexity. Chemistry - A European Journal, 2018, 24, 7755-7760.	1.7	10
5315	Toward Ultrasensitive Surface Plasmon Resonance Sensors. Springer Series on Chemical Sensors and Biosensors, 2018, , 409-448.	0.5	4
5316	SURMOF induced polymorphism and crystal morphological engineering of acetaminophen polymorphs: advantage of heterogeneous nucleation. CrystEngComm, 2018, 20, 2084-2088.	1.3	13
5317	Metal-Organic Framework Membrane Synthesis and Applications. Series on Chemistry, Energy and the Environment, 2018, , 281-323.	0.3	1
5318	Ordering of Air-Oxidized Decanethiols on Au(111). Journal of Physical Chemistry C, 2018, 122, 8430-8436.	1.5	12
5319	Improving frictional properties of DLC films by surface energy manipulation. RSC Advances, 2018, 8, 11388-11394.	1.7	16
5320	Mechanisms of Defect Passivation by Fluorinated Alkylthiolates on PbS Quantum Dots. Journal of Physical Chemistry C, 2018, 122, 13911-13919.	1.5	5
5321	Catalytic Activity and Proton Translocation of Reconstituted Respiratory Complex I Monitored by Surface-Enhanced Infrared Absorption Spectroscopy. Langmuir, 2018, 34, 5703-5711.	1.6	13
5322	Effects of Cleaning Treatments on the Surface Composition of Porous Materials. Energy & Fuels, 2018, 32, 4655-4661.	2.5	4
5323	A colorimetric and turn-on NIR fluorescent probe based on xanthene system for sensitive detection of thiophenol and its application in bioimaging. Talanta, 2018, 185, 359-364.	2.9	30
5324	Molecular engineering of Rashba spin-charge converter. Science Advances, 2018, 4, eaar3899.	4.7	24
5325	Active cell-matrix coupling regulates cellular force landscapes of cohesive epithelial monolayers. Npj Computational Materials, 2018, 4, .	3.5	13
5326	Adsorption and decontamination of α-synuclein from medically and environmentally-relevant surfaces. Colloids and Surfaces B: Biointerfaces, 2018, 166, 98-107.	2.5	7
5327	Order out of Randomness: Self-Organization Processes in Astrophysics. Space Science Reviews, 2018, 214, 1.	3.7	38

#	Article	IF	CITATIONS
5328	Precision-Guided Nanospears for Targeted and High-Throughput Intracellular Gene Delivery. ACS Nano, 2018, 12, 4503-4511.	7.3	103
5329	Medical application of glycosaminoglycans: a review. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, e23-e41.	1.3	165
5330	Electron velocity map imaging and theoretical study on CuXH (X = O and S) anions. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 188, 85-89.	2.0	6
5331	THE KINETICS OF THE AS GROWN AND ANNEALED SELF-ASSEMBLED MONOLAYER STUDIED BY FORCE SPECTROSCOPY. Surface Review and Letters, 2018, 25, 1850054.	0.5	0
5332	Ferricyanide Confined in a Protonated Amine-Functionalized Silica Film on Gold: Application to Electrocatalytic Sensing of Nitrite Ions. Analytical Letters, 2018, 51, 496-511.	1.0	6
5333	A new fluorescent chemodosimeter for ultra-sensitive determination of toxic thiophenols in environmental water samples and cancer cells. Sensors and Actuators B: Chemical, 2018, 254, 21-29.	4.0	45
5334	Determining the parameters governing the electrochemical stability of thiols and disulfides self-assembled monolayer on gold electrodes in physiological medium. Journal of Electroanalytical Chemistry, 2018, 819, 51-57.	1.9	12
5335	Principle and Application of Tip-enhanced Raman Scattering. Plasmonics, 2018, 13, 1343-1358.	1.8	5
5336	Promoting Intra- and Intermolecular Interactions in Surface-Enhanced Raman Scattering. Analytical Chemistry, 2018, 90, 128-143.	3.2	57
5337	Short-chained oligo(ethylene oxide)-functionalized gold nanoparticles: realization of significant protein resistance. Analytical and Bioanalytical Chemistry, 2018, 410, 145-154.	1.9	18
5338	Understanding the Colloidal Stability of Nanoparticle–Ligand Complexes: Design, Synthesis, and Structure–Function Relationship Studies of Amphiphilic Smallâ€Molecule Ligands. Chemistry - A European Journal, 2018, 24, 1853-1858.	1.7	15
5339	Proton transfer impedance of electrodes modified with acid thiol monolayers. Journal of Electroanalytical Chemistry, 2018, 819, 145-151.	1.9	1
5340	Tailoring the self-assembly of linear alkyl chains for the design of advanced materials with technological applications. Journal of Colloid and Interface Science, 2018, 513, 911-922.	5.0	9
5341	d10 coinage metal organic chalcogenolates: From oligomers to coordination polymers. Coordination Chemistry Reviews, 2018, 355, 240-270.	9.5	89
5342	Surfaceâ€Assisted Selfâ€Assembly Strategies Leading to Supramolecular Hydrogels. Angewandte Chemie - International Edition, 2018, 57, 1448-1456.	7.2	59
5343	State-of-the-Art CMOS In Vitro Diagnostic Devices. , 2018, , 11-39.		1
5344	OberflÄ ¤ henunterstļtzte Selbstorganisationsstrategien fļr supramolekulare Hydrogele. Angewandte Chemie, 2018, 130, 1462-1471.	1.6	11
5345	Simulation Studies on the Interaction of Graphene and Gold Nanoparticle. International Journal of Nanoscience, 2018, 17, 1760043.	0.4	6

#	Article	IF	CITATIONS
5346	Facile displacement of citrate residues from gold nanoparticle surfaces. Journal of Colloid and Interface Science, 2018, 511, 335-343.	5.0	46
5347	Selective Sâ€Deacetylation of Functionalized Thioacetates Catalyzed by Dy(OTf) ₃ . Asian Journal of Organic Chemistry, 2018, 7, 179-188.	1.3	8
5348	Experimental and computational investigation of graphene/SAMs/n-Si Schottky diodes. Applied Surface Science, 2018, 428, 1010-1017.	3.1	11
5349	Recent progress in interface engineering of organic thin film transistors with self-assembled monolayers. Materials Chemistry Frontiers, 2018, 2, 11-21.	3.2	65
5350	Diamine anchored molecular junctions of oligo(phenylene ethynylene) cruciform. Chinese Chemical Letters, 2018, 29, 271-275.	4.8	8
5351	Nanoparticle Superlattices: The Roles of Soft Ligands. Advanced Science, 2018, 5, 1700179.	5.6	170
5352	Adsorption of 2-thiophene curcuminoid molecules on a Au(111) surface. Applied Surface Science, 2018, 427, 620-625.	3.1	8
5353	Structurally stable graphene oxide-based nanofiltration membranes with bioadhesive polydopamine coating. Applied Surface Science, 2018, 427, 1092-1098.	3.1	69
5354	Surface chemistry effects on heterogeneous clathrate hydrate nucleation: A molecular dynamics study. Journal of Chemical Thermodynamics, 2018, 117, 205-213.	1.0	17
5355	Molecular Interlayers in Hybrid Perovskite Solar Cells. Advanced Energy Materials, 2018, 8, 1701544.	10.2	80
5356	Ruthenium(II) Ïf-arylacetylide complexes as redox active units for (multi-)functional molecular devices. Polyhedron, 2018, 140, 169-180.	1.0	9
5357	A dual marker label free electrochemical assay for Flavivirus dengue diagnosis. Biosensors and Bioelectronics, 2018, 100, 519-525.	5.3	46
5358	Self-assembled monolayers as a defect sealant of Al2O3 barrier layers grown by atomic layer deposition. Organic Electronics, 2018, 52, 98-102.	1.4	6
5359	CHARACTERIZATION OF OCTADECYLTRICHLOROSILANE SELF-ASSEMBLED MULTILAYERS ON PYREX GLASS. Surface Review and Letters, 2018, 25, 1850105.	0.5	2
5360	Self-assembled monolayers of N-heterocyclic carbene on gold: Stability under ultrasonic circumstance and computational study. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 538, 488-493.	2.3	10
5361	Attachment of Pt nanoparticles to a metal oxide surface using a thiol–carboxyl bifunctional molecule. Journal of Colloid and Interface Science, 2018, 513, 464-469.	5.0	11
5362	Direct Room Temperature Welding and Chemical Protection of Silver Nanowire Thin Films for High Performance Transparent Conductors. Journal of the American Chemical Society, 2018, 140, 193-199.	6.6	153
5363	A BODIPYâ€based Fluorescent Probe for Thiophenol. Chinese Journal of Chemistry, 2018, 36, 119-123.	2.6	29

#	Article	IF	CITATIONS
5364	Influence of molecular distortion on the exciton quenching for quaterthiophene-terminated self-assembled monolayers on Au(111). Surface Science, 2018, 669, 160-168.	0.8	2
5365	Role of Surface-Capping Ligands in Photoexcited Electron Transfer between CdS Nanorods and [FeFe] Hydrogenase and the Subsequent H ₂ Generation. Journal of Physical Chemistry C, 2018, 122, 741-750.	1.5	53
5366	Surface-attached hydrogel coatings via C,H-insertion crosslinking for biomedical and bioanalytical applications (Review). Biointerphases, 2018, 13, 010801.	0.6	71
5367	Electrochemical detection of carcinoembryonic antigen. Biosensors and Bioelectronics, 2018, 102, 610-616.	5.3	119
5368	Functional adlayers on Au electrodes: some recent applications in hydrogen evolution and oxygen reduction. Journal of Materials Chemistry A, 2018, 6, 1323-1339.	5.2	14
5369	Nanoplasmonic sensors for detecting circulating cancer biomarkers. Advanced Drug Delivery Reviews, 2018, 125, 48-77.	6.6	88
5370	Plasmonic Substrates Do Not Promote Vibrational Energy Transfer at Solid–Liquid Interfaces. Journal of Physical Chemistry Letters, 2018, 9, 49-56.	2.1	11
5371	Concentration-dependent supramolecular patterns of C3 and C2 symmetric molecules at the solid/liquid interface. Colloids and Surfaces B: Biointerfaces, 2018, 168, 211-216.	2.5	9
5372	Self-Assembled Molecular Films of Alkanethiols on Graphene for Heavy Metal Sensing. Journal of Physical Chemistry C, 2018, 122, 474-480.	1.5	13
5373	Tunable Subnanometer Gap Plasmonic Metasurfaces. ACS Photonics, 2018, 5, 1012-1018.	3.2	28
5374	Electrochemistry does the impossible: Robust and reliable large area molecular junctions. Current Opinion in Electrochemistry, 2018, 7, 153-160.	2.5	26
5375	Silica-covered star-shaped Au-Ag nanoparticles as new electromagnetic nanoresonators for Raman characterisation of surfaces. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 193, 1-7.	2.0	19
5376	Ultrastable Gold Nanoparticles Modified by Bidentate <i>N</i> -Heterocyclic Carbene Ligands. Journal of the American Chemical Society, 2018, 140, 1576-1579.	6.6	140
5377	Strong Electronic Coupling of Molecular Sites to Graphitic Electrodes via Pyrazine Conjugation. Journal of the American Chemical Society, 2018, 140, 1004-1010.	6.6	111
5378	Ligand-Mediated Deposition of Noble Metals at Nanoparticle Plasmonic Hotspots. Langmuir, 2018, 34, 1084-1091.	1.6	23
5379	Antibody biosensors for spoilage yeast detection based on impedance spectroscopy. Biosensors and Bioelectronics, 2018, 102, 432-438.	5.3	22
5380	Rapid localized deactivation of self-assembled monolayers by propagation-controlled laser-induced plasma and its application to self-patterning of electronics and biosensors. Applied Surface Science, 2018, 434, 693-700.	3.1	3
5381	Vortex ferromagnetic domain structures of ferromagnetic CoFe2O4 nanodisks formed by local crystallization using a heated atomic force microscope tip. Materials Letters, 2018, 213, 331-334.	1.3	3

		CITATION REPORT		
#	ARTICLE Peptide Arrays: Development and Application. Analytical Chemistry, 2018, 90, 266-282		IF 3.2	Citations 90
5383	Orientation and density control of proteins on solid matters by outer membrane coatir and diagnostic applications. Journal of Pharmaceutical and Biomedical Analysis, 2018, 1	ng: Analytical	1.4	8
5384	Novel peptidylated surfaces for interference-free electrochemical detection of cardiac t Biosensors and Bioelectronics, 2018, 99, 486-492.		5.3	53
5385	Efficient Electrosteric Assembly of Nanoparticle Heterodimers and Linear Heteroasseml 2018, 34, 826-836.	blies. Langmuir,	1.6	11
5386	Multicomponent patterned ultrathin carbon nanomembranes by laser ablation. Applied Science, 2018, 427, 126-130.	Surface	3.1	3
5387	Functional polymer surfaces for controlling cell behaviors. Materials Today, 2018, 21, 3	8-59.	8.3	257
5388	Chain-length dependent interfacial immunoreaction kinetics on self-assembled monola surface-enhanced infrared absorption spectroscopy. Talanta, 2018, 176, 124-129.	yers revealed by	2.9	11
5389	Ultrathin Metal Films on Top of SAMs. , 2018, , 375-380.			1
5390	Displaying biofunctionality on materials through templated self-assembly. , 2018, , 341	-370.		2
5391	Adsorption and Self-Organization of Organic Molecules under Electrochemical Control	, 2018, , 13-23.		4
5392	A fullerene helical peptide: synthesis, characterization and formation of self-assembled on gold surfaces. New Journal of Chemistry, 2018, 42, 19423-19432.	monolayers	1.4	4
5393	Tracking down the origin of peculiar vibrational spectra of aromatic self-assembled thic monolayers. Physical Chemistry Chemical Physics, 2018, 20, 29918-29930.	late	1.3	6
5394	Bimodal atomic force microscopy for the characterization of thiolated self-assembled n Nanoscale, 2018, 10, 23027-23036.	10nolayers.	2.8	16
5395	Bottom-electrode induced defects in self-assembled monolayer (SAM)-based tunnel jur only the SAM resistance, not the contact resistance or SAM capacitance. RSC Advance 19939-19949.		1.7	9
5396	Self-Assembly of Functionalized Organic Molecules on Flat Solid Surfaces. , 2018, , 810	⊦816.		2
5397	4. Nanofilms as Sensitive Layers of Chemical and Biochemical Sensors. , 2018, , 107-13	0.		0
5398	Desalination of Water Using Cellulose Paper Coated with Graphene Oxide Nanostructu 2018, , .	red Material. ,		0
5399	Surface modification of finely dispersed NaCl. Mendeleev Communications, 2018, 28, 3	332-334.	0.6	1

#	Article	IF	CITATIONS
5400	Toward affordable and sustainable use of precious metals in catalysis and nanomedicine. MRS Bulletin, 2018, 43, 860-869.	1.7	9
5401	Intercalating Single-Atom Metal Centers into an Organic Monolayer with a Full-Sample Coverage. Langmuir, 2018, 34, 13387-13394.	1.6	2
5402	A Novel Diagnostic System for Infectious Diseases Using Solid-State Nanopore Devices. , 2018, 2018, 2833-2836.		6
5403	Electron-Transfer Properties of Phenyleneethynylene Linkers Bound to Gold via a Self-Assembled Monolayer of Molecular Tripod. Molecules, 2018, 23, 2893.	1.7	5
5404	Fabrication of rhodanine self-assembled monolayer thin films on copper: Solvent optimization and corrosion inhibition studies. Progress in Organic Coatings, 2018, 125, 516-524.	1.9	19
5405	Insights into the Pore-Scale Mechanism for the Low-Salinity Effect: Implications for Enhanced Oil Recovery. Energy & Fuels, 2018, 32, 12081-12090.	2.5	21
5406	CO ₂ Reduction Catalysts on Gold Electrode Surfaces Influenced by Large Electric Fields. Journal of the American Chemical Society, 2018, 140, 17643-17655.	6.6	103
5407	Adsorption of Fibronectin Fragment on Surfaces Using Fully Atomistic Molecular Dynamics Simulations. International Journal of Molecular Sciences, 2018, 19, 3321.	1.8	20
5408	Electron Dose-Controlled Formation, Growth, and Assembly of Nanoclusters and Nanoparticles from Aurophilic Au(I)–Thiolate Ensemble on Surfaces. ACS Applied Materials & Interfaces, 2018, 10, 40348-40357.	4.0	7
5409	Ultrahigh Conductivity and Superior Interfacial Adhesion of a Nanostructured, Photonic-Sintered Copper Membrane for Printed Flexible Hybrid Electronics. ACS Applied Materials & Interfaces, 2018, 10, 44071-44079.	4.0	43
5410	Density, Structure, and Stability of Citrate ^{3–} and H ₂ citrate [–] on Bare and Coated Gold Nanoparticles. Journal of Physical Chemistry C, 2018, 122, 28393-28404.	1.5	23
5411	Mechanistic Understanding of the Growth Kinetics and Dynamics of Nanoparticle Superlattices by Coupling Interparticle Forces from Real-Time Measurements. ACS Nano, 2018, 12, 12778-12787.	7.3	34
5412	Lévy-like movement patterns of metastatic cancer cells revealed in microfabricated systems and implicated in vivo. Nature Communications, 2018, 9, 4539.	5.8	73
5413	Unsymmetrical Spiroalkanedithiols Having Mixed Fluorinated and Alkyl Tailgroups of Varying Length: Film Structure and Interfacial Properties. Molecules, 2018, 23, 2632.	1.7	12
5414	Room-Temperature Optical Picocavities below 1 nm ³ Accessing Single-Atom Geometries. Journal of Physical Chemistry Letters, 2018, 9, 7146-7151.	2.1	88
5415	Tailoring the Strength of Nanoporous Gold by Self-Assembled Monolayers of Alkanethiols. ACS Applied Nano Materials, 2018, 1, 6613-6621.	2.4	8
5416	Building two-dimensional materials one row at a time: Avoiding the nucleation barrier. Science, 2018, 362, 1135-1139.	6.0	155
5417	Understanding the Properties of Tailor-Made Self-Assembled Monolayers with Embedded Dipole Moments for Interface Engineering. Journal of Physical Chemistry C, 2018, 122, 28757-28774.	1.5	38

#	Article	IF	CITATIONS
5418	Reactive Molecular Dynamics Simulations of Thermal Film Growth from Di- <i>tert</i> -butyl Disulfide on an Fe(100) surface. Langmuir, 2018, 34, 15681-15688.	1.6	12
5419	Synergism in Bond Strength Modulation Opens an Alternative Concept for Protective Groups in Surface Chemistry. Journal of Physical Chemistry C, 2018, 122, 28839-28845.	1.5	7
5420	Amplitude of jump motion signatures in classical vibration-jump dynamics. Journal of Chemical Physics, 2018, 149, 194705.	1.2	1
5421	Tuning the coverage of self-assembled monolayer by introducing bulky substituents onto rigid adamantane tripod. Arkivoc, 2018, 2018, 131-144.	0.3	4
5422	Chemical Functionalization for Quantitative Spectroscopic Labeling on Macroscopically Flat Surfaces. , 2018, , 592-603.		0
5423	Effects of electrode type and anchoring group on transport properties of a single molecule electronic device. Chemical Physics Letters, 2018, 713, 26-31.	1.2	1
5424	Tarnishing Silver Metal into Mithrene. Journal of the American Chemical Society, 2018, 140, 13892-13903.	6.6	30
5425	Salt-Induced, Continuous Deposition of Supramolecular Iron(III)–Tannic Acid Complex. Langmuir, 2018, 34, 12318-12323.	1.6	27
5426	Application of Bio-nanotechnology to Electronic Packaging. , 2018, , 907-920.		0
5427	Advanced fabrication of biosensor on detection of Glypican-1 using S-Acetylmercaptosuccinic anhydride (SAMSA) modification of antibody. Scientific Reports, 2018, 8, 13541.	1.6	14
5428	Discerning the Redox-Dependent Electronic and Interfacial Structures in Electroactive Self-Assembled Monolayers. Journal of the American Chemical Society, 2018, 140, 13672-13679.	6.6	33
5429	Fabrication of Supramolecular Bioactive Surfaces via β-Cyclodextrin-Based Host–Guest Interactions. ACS Applied Materials & Interfaces, 2018, 10, 36585-36601.	4.0	58
5430	Using Polarized Spectroscopy to Investigate Order in Thin-Films of Ionic Self-Assembled Materials Based on Azo-Dyes. Nanomaterials, 2018, 8, 109.	1.9	0
5431	Synthesis, Surface Grafting, and Fabrication of Ultrathin Polymeric SAMFETs with High Field-Effect Mobility. ACS Applied Materials & Interfaces, 2018, 10, 35441-35448.	4.0	11
5432	Continuous Surface Polymerization via Fe(II)â€Mediated Redox Reaction for Thick Hydrogel Coatings on Versatile Substrates. Advanced Materials, 2018, 30, e1803371.	11.1	84
5433	Enhancing Reproducibility and Nonlocal Effects in Film oupled Nanoantennas. Advanced Optical Materials, 2018, 6, 1801177.	3.6	5
5434	Electrochemical study of 6-(ferrocenyl)hexanethiol on gold electrode surface in non-aqueous media. Surfaces and Interfaces, 2018, 13, 163-167.	1.5	1
5435	Packing Defects in Fatty Amine Self-Assembled Monolayers on Mica as Revealed from AFM Techniques. Journal of Physical Chemistry B, 2018, 122, 493-499.	1.2	8

#	Article	IF	CITATIONS
5436	Patterning Nanogaps: Spatial Control of the Distribution of Nanogaps between Gold Nanoparticles and Gold Substrates. Journal of Physical Chemistry C, 2018, 122, 26047-26053.	1.5	6
5437	APTES Duality and Nanopore Seed Regulation in Homogeneous and Nanoscale-Controlled Reduction of Ag Shell on SiO2 Microparticle for Quantifiable Single Particle SERS. ACS Omega, 2018, 3, 13028-13035.	1.6	8
5438	Formation of Highly Ordered Semiconducting Anthracene Monolayer Rigidly Connected to Insulating Alkanethiolate Thin Film. Journal of Physical Chemistry C, 2018, 122, 26080-26087.	1.5	2
5439	Beyond Marcus theory and the Landauer-Büttiker approach in molecular junctions: A unified framework. Journal of Chemical Physics, 2018, 149, 154112.	1.2	63
5440	ALD assisted nanoplasmonic slot waveguide for on-chip enhanced Raman spectroscopy. APL Photonics, 2018, 3, .	3.0	35
5441	Impedance Detection of 3â€Phenoxybenzoic Acid Comparing Wholes Antibodies and Antibody Fragments for Biomolecular Recognition. Electroanalysis, 2018, 30, 2899-2907.	1.5	7
5442	Histone-Mimetic Gold Nanoparticles as Versatile Scaffolds for Gene Transfer and Chromatin Analysis. Bioconjugate Chemistry, 2018, 29, 3691-3704.	1.8	5
5443	Rational Ligand Design To Improve Agrochemical Delivery Efficiency and Advance Agriculture Sustainability. ACS Sustainable Chemistry and Engineering, 2018, 6, 13599-13610.	3.2	37
5444	Spontaneous Reduction of Copper(II) to Copper(I) at Solid–Liquid Interface. Journal of Physical Chemistry Letters, 2018, 9, 6364-6371.	2.1	19
5445	Quantum interference mediated vertical molecular tunneling transistors. Science Advances, 2018, 4, eaat8237.	4.7	64
5446	Controlling and Expanding the Selectivity of Filtration Membranes. Chemistry of Materials, 2018, 30, 7328-7354.	3.2	70
5447	Dynamic Nitroxide Functional Materials. Chemistry - A European Journal, 2018, 24, 18873-18879.	1.7	6
5448	Click Chemistry: A Versatile Method for Tuning the Composition of Mixed Organic Layers Obtained by Reduction of Diazonium Cations. ACS Applied Materials & Interfaces, 2018, 10, 37779-37782.	4.0	11
5449	Quaternary Ammonium-Terminated Films Formed from Mixed Bidentate Adsorbates Provide a High-Capacity Platform for Oligonucleotide Delivery. ACS Applied Materials & Interfaces, 2018, 10, 40890-40900.	4.0	5
5451	Dark and photo-induced charge transport across molecular spacers. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2018, 36, .	0.6	3
5452	Theoretical Insights into Vinyl Derivatives Adsorption on a Cu(100) Surface. Journal of Physical Chemistry C, 2018, 122, 27301-27313.	1.5	6
5453	Theoretical evaluation of a fiber-optic SPR biosensor based on a gold layer treated with thiol acid. EPJ Applied Physics, 2018, 82, 31201.	0.3	10
5454	Characterization of self-assembled monolayers for Cu Cu bonding technology. Microelectronic Engineering, 2018, 202, 19-24.	1.1	5

#	Article	IF	CITATIONS
5455	Jamming and tiling in aggregation of rectangles. Journal of Physics A: Mathematical and Theoretical, 2018, 51, 455002.	0.7	2
5456	Electrochemically Triggered Surface Deposition of Polyelectrolytes. Langmuir, 2018, 34, 12776-12786.	1.6	4
5457	2, 4, 6-Trithiol-1, 3, 5-Triazine-Modified Gold Nanoparticles and Its Potential as Formalin Detector. IOP Conference Series: Materials Science and Engineering, 2018, 349, 012072.	0.3	1
5458	Development of poly-2-ethyl-2-oxazoline coated gold-core silica shell nanorods for cancer chemo-photothermal therapy. Nanomedicine, 2018, 13, 2611-2627.	1.7	30
5459	Synthesis of a Calix[4]areneâ€Monodiazonium Salt for Surface Modification. European Journal of Organic Chemistry, 2018, 2018, 6590-6595.	1.2	10
5460	Enhanced aqueous stability of silver oxynitrate through surface modification with alkanethiols. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 556, 210-217.	2.3	3
5461	Molecular Quadripod as a Noncovalent Interfacial Coupling Reagent for Forming Immobilized Coordination Assemblies. Journal of the American Chemical Society, 2018, 140, 12337-12340.	6.6	10
5462	Elucidating the Role of Molecule–Electrode Interfacial Defects in Charge Tunneling Characteristics of Large-Area Junctions. Journal of the American Chemical Society, 2018, 140, 12303-12307.	6.6	59
5463	Tripodal tris-disulfides as capping agents for a controlled mixed functionalization of gold nanoparticles. New Journal of Chemistry, 2018, 42, 16436-16440.	1.4	13
5464	Mixed Self-Assembled Monolayers with Terminal Deuterated Anchors: Characterization and Probing of Model Lipid Membrane Formation. Journal of Physical Chemistry B, 2018, 122, 8201-8210.	1.2	12
5465	Mechanistic Insights into UV-Initiated Thiol–Ene Reactions on Amorphous Carbon Films. Journal of Physical Chemistry C, 2018, 122, 21854-21860.	1.5	7
5466	Amorphous Flowerlike Goethite FeOOH Hierarchical Supraparticles: Superior Capability for Catalytic Hydrogenation of Nitroaromatics in Water. ACS Applied Materials & Interfaces, 2018, 10, 32180-32191.	4.0	44
5467	Plenty more room on the glass bottom: Surface functionalization and nanobiotechnology for cell isolation. Nano Research, 2018, 11, 5107-5129.	5.8	8
5468	The Rate of Charge Tunneling in EGaln Junctions Is Not Sensitive to Halogen Substituents at the Self-Assembled Monolayer//Ga ₂ O ₃ Interface. ACS Nano, 2018, 12, 10221-10230.	7.3	17
5469	Synthesis and Characterization of Multifunctional Branched Amphiphilic Peptide Bilayer Conjugated Gold Nanoparticles. ACS Omega, 2018, 3, 11071-11083.	1.6	21
5470	Synthesis of gold organometallics at the nanoscale. Journal of Organometallic Chemistry, 2018, 877, 1-11.	0.8	21
5471	Driving Coordination Polymer Monolayer Formation by Competitive Reactions at the Air/Water Interface. Langmuir, 2018, 34, 11706-11713.	1.6	6
5472	Progressive fuzzy cation-ï€ assembly of biological catecholamines. Science Advances, 2018, 4, eaat7457.	4.7	200

#	Article	IF	CITATIONS
5473	SURMOF Induced Morphological Crystal Engineering of Substituted Benzamides. Crystal Growth and Design, 2018, 18, 7048-7058.	1.4	5
5474	Effectiveness of Sensors Contact Metallization (Ti, Au, and Ru) and Biofunctionalization for Escherichia coli Detection. Sensors, 2018, 18, 2912.	2.1	9
5475	Nanobiotechnology: 1D nanomaterial building blocks for cellular interfaces and hybrid tissues. Nano Research, 2018, 11, 5372-5399.	5.8	14
5476	Efficient scheme for calculating work of adhesion between a liquid and polymer-grafted substrate. Journal of Chemical Physics, 2018, 149, 064703.	1.2	6
5477	A Versatile Coordinating Ligand for Coating Semiconductor, Metal, and Metal Oxide Nanocrystals. Chemistry of Materials, 2018, 30, 7269-7279.	3.2	26
5478	Thermally Controlled Phase Transition of Low-Melting Electrode for Wetting-Based Spontaneous Top Contact in Molecular Tunnel Junction. ACS Applied Materials & Interfaces, 2018, 10, 34758-34764.	4.0	11
5479	Origami Biosystems: 3D Assembly Methods for Biomedical Applications. Advanced Biology, 2018, 2, 1800230.	3.0	57
5480	Precision at the nanoscale: on the structure and property evolution of gold nanoclusters. Pure and Applied Chemistry, 2018, 90, 1409-1427.	0.9	24
5481	Tuning RGD Motif and Hyaluronan Density to Study Integrin Binding. Frontiers in Physiology, 2018, 9, 1022.	1.3	7
5482	Tetrathiafulvalene – a redox-switchable building block to control motion in mechanically interlocked molecules. Beilstein Journal of Organic Chemistry, 2018, 14, 2163-2185.	1.3	59
5483	Stochastic Binding Process of Blunt-End Stacking of DNA Molecules Observed by Atomic Force Microscopy. Langmuir, 2018, 34, 15078-15083.	1.6	20
5484	Directing the hetero-growth of lattice-mismatched surface-mounted metal–organic frameworks by functionalizing the interface. Journal of Materials Chemistry A, 2018, 6, 21295-21303.	5.2	25
5485	Novel Antibacterial Coatings for Biofouling and Biocorrosion Inhibition. Interface Science and Technology, 2018, , 257-372.	1.6	3
5486	Molecular architecture for DNA wiring. Biosensors and Bioelectronics, 2018, 121, 54-61.	5.3	2
5487	Phase transition and anomalous rheological properties of graphene oxide-carbon nanotube acrylonitrile butadiene styrene hybrid composites. Composites Part B: Engineering, 2018, 154, 337-350.	5.9	29
5488	Large-Area All-Carbon Nanocapacitors from Graphene and Carbon Nanomembranes. ACS Nano, 2018, 12, 10301-10309.	7.3	14
5489	Boron-Implanted Silicon Substrates for Physical Adsorption of DNA Origami. International Journal of Molecular Sciences, 2018, 19, 2513.	1.8	8
5490	Nanofluids as Novel Alternative Smart Fluids for Reservoir Wettability Alteration. , 2018, , .		5

#	Article	IF	CITATIONS
5491	The Drive Force of Electrical Breakdown of Largeâ€Area Molecular Tunnel Junctions. Advanced Functional Materials, 2018, 28, 1801710.	7.8	28
5492	Thermal Healing of a Mixed-Thiol Monolayer at the Nanoscale. Journal of Physical Chemistry C, 2018, 122, 12545-12550.	1.5	0
5493	Antiâ€EpCAM Gold Nanorods and Femtosecond Laser Pulses for Targeted Lysis of Retinoblastoma. Advanced Therapeutics, 2018, 1, 1800009.	1.6	6
5494	Cross-plane coherent acoustic phonons in two-dimensional organic-inorganic hybrid perovskites. Nature Communications, 2018, 9, 2019.	5.8	71
5495	Carboxyl Terminated Reduced Graphene Oxide (Crbxl-RGO) and Pt Nanoparticles Based Ultra-Sensitive and Selective Electrochemical Biosensor for Glutamate Detection. Journal of the Electrochemical Society, 2018, 165, B296-B301.	1.3	31
5496	Exploring Molecular-Biomembrane Interactions with Surface Plasmon Resonance and Dual Polarization Interferometry Technology: Expanding the Spotlight onto Biomembrane Structure. Chemical Reviews, 2018, 118, 5392-5487.	23.0	61
5497	Standing, lying, and sitting: translating building principles of the cell membrane to synthetic 2D material interfaces. Chemical Communications, 2018, 54, 6681-6691.	2.2	13
5498	Quo vadis, unimolecular electronics?. Nanoscale, 2018, 10, 10316-10332.	2.8	25
5499	Surface-Chemistry-Mediated Control of Individual Magnetic Helical Microswimmers in a Swarm. ACS Nano, 2018, 12, 6210-6217.	7.3	97
5500	Formation and properties of phospholipid bilayers on fluorine doped tin oxide electrodes. Electrochimica Acta, 2018, 283, 1351-1358.	2.6	16
5501	Aptamer Recognition of Multiplexed Small-Molecule-Functionalized Substrates. ACS Applied Materials & Interfaces, 2018, 10, 23490-23500.	4.0	28
5502	Gold-core silica shell nanoparticles application in imaging and therapy: A review. Microporous and Mesoporous Materials, 2018, 270, 168-179.	2.2	67
5503	Thermodynamics of Alkanethiol Self-Assembled Monolayer Assembly on Pd Surfaces. Langmuir, 2018, 34, 6346-6357.	1.6	13
5504	A mineral layer as an effective binder to achieve strong bonding between a hydrogel and a solid titanium substrate. Journal of Materials Chemistry B, 2018, 6, 3859-3864.	2.9	12
5505	Tuning the Stiffness of Surfaces by Assembling Genetically Engineered Polypeptides with Tailored Amino Acid Sequence. Biomacromolecules, 2018, 19, 3401-3411.	2.6	6
5506	Self-Assembled Monolayers for Dental Implants. International Journal of Dentistry, 2018, 2018, 1-21.	0.5	16
5507	Metallization of self-assembled organic monolayer surfaces by Pd nanocluster deposition. Surface Science, 2018, 677, 68-77.	0.8	8
5508	Binary Thiolate DNA/Ferrocenyl Self-Assembled Monolayers on Gold: A Versatile Platform for Probing Biosensing Interfaces. Analytical Chemistry, 2018, 90, 9174-9181.	3.2	8

	CITATION	KEPORT	
#	Article	IF	CITATIONS
5509	Interfacial supramolecular electrochemistry. Current Opinion in Electrochemistry, 2018, 8, 156-163.	2.5	14
5510	The Effect of an Antigalvanic Reduction of Silver on Gold for the Stability of a Self-Assembled Alkanethiol Monolayer and Chemical Lift-Off Lithography. Journal of Physical Chemistry C, 2018, 122, 16070-16078.	1.5	5
5511	In Situ Spectroelectrochemical Studies into the Formation and Stability of Robust Diazonium-Derived Interfaces on Gold Electrodes for the Immobilization of an Oxygen-Tolerant Hydrogenase. ACS Applied Materials & Interfaces, 2018, 10, 23380-23391.	4.0	23
5512	Versatile Micropatterns of Nâ€Heterocyclic Carbenes on Gold Surfaces: Increased Thermal and Pattern Stability with Enhanced Conductivity. Angewandte Chemie - International Edition, 2018, 57, 11465-11469.	7.2	72
5513	Self-assembled monolayers in biomaterials. , 2018, , 137-178.		15
5514	Theory of electron, phonon and spin transport in nanoscale quantum devices. Nanotechnology, 2018, 29, 373001.	1.3	60
5515	Selection of Secondary Structures of Heterotypic Supramolecular Peptide Assemblies by an Enzymatic Reaction. Angewandte Chemie, 2018, 130, 11890-11895.	1.6	11
5516	Selection of Secondary Structures of Heterotypic Supramolecular Peptide Assemblies by an Enzymatic Reaction. Angewandte Chemie - International Edition, 2018, 57, 11716-11721.	7.2	31
5517	Vielseitige Mikrostrukturen aus Nâ€heterocyclischen Carbenen auf Goldoberflähen: Erhöhte thermische und Strukturstabilitämit erhöhter Leitfäigkeit. Angewandte Chemie, 2018, 130, 11637-11641.	1.6	24
5518	Bioengineered Approaches for Site Orientation of Peptide-Based Ligands of Nanomaterials. , 2018, , 139-169.		5
5519	Friction coefficient between a hydrophobic soft solid surface and a fluid: Determined by QCM-D. Chemical Physics, 2018, 513, 41-49.	0.9	4
5520	Synthesis and self-assembly of thiol-modified tellurophenes. Canadian Journal of Chemistry, 2018, 96, 929-933.	0.6	5
5521	Supramolecular Assemblies on Surfaces: Nanopatterning, Functionality, and Reactivity. ACS Nano, 2018, 12, 7445-7481.	7.3	225
5522	Facile formation of colloidal silver nanoparticles using electrolysis technique and their antimicrobial activity. Micro and Nano Letters, 2018, 13, 407-410.	0.6	0
5523	Formation and Ripening of Self-Assembled Multilayers from the Vapor-Phase Deposition of Dodecanethiol on Copper Oxide. Chemistry of Materials, 2018, 30, 5694-5703.	3.2	32
5524	Origin of Hydrophilic Surface Functionalization-Induced Thermal Conductance Enhancement across Solid–Water Interfaces. ACS Applied Materials & Interfaces, 2018, 10, 28159-28165.	4.0	29
5525	Nanotribological Study of Supramolecular Template Networks Induced by Hydrogen Bonds and van der Waals Forces. ACS Nano, 2018, 12, 8781-8790.	7.3	40
5526	Quantitative measurements of proteinâ d'surface interaction thermodynamics. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8352-8357.	3.3	17

#	Article	IF	CITATIONS
5527	Deconvolution of Tunneling Current in Large-Area Junctions Formed with Mixed Self-Assembled Monolayers. Journal of Physical Chemistry Letters, 2018, 9, 4578-4583.	2.1	30
5528	Development of Organic Thin-film Transistors with Molecular Recognition Ability for Chemical Sensing. Bunseki Kagaku, 2018, 67, 229-237.	0.1	0
5529	Chirality in Ligand-Stabilized Metal Clusters. , 2018, , 406-416.		4
5530	Hierarchical tandem assembly of planar [3×3] building units into {3×[3×3]} oligomers: mixed-valency, electrical conductivity and magnetism. Chemical Science, 2018, 9, 7498-7504.	3.7	23
5531	Porous Gold Nanoshells on Functional NH ₂ â€MOFs: Facile Synthesis and Designable Platforms for Cancer Multiple Therapy. Small, 2018, 14, e1801851.	5.2	80
5532	Molecular chemistry approaches for tuning the properties of two-dimensional transition metal dichalcogenides. Chemical Society Reviews, 2018, 47, 6845-6888.	18.7	202
5533	Synthesis of platinum nanoparticles templated by dendrimers terminated with alkyl chains. Chemical Communications, 2018, 54, 9143-9146.	2.2	12
5534	Chemical Functionalization of Surfaces: Preparation for Secondary Chemical Modification. , 2018, , 614-621.		1
5535	Biophotovoltaic Systems Based on Photosynthetic Complexes. , 2018, , 43-63.		1
5536	Controlling Redox Enzyme Orientation at Planar Electrodes. Catalysts, 2018, 8, 192.	1.6	78
5537	Temperature-Responsive Hydrogel-Coated Gold Nanoshells. Gels, 2018, 4, 28.	2.1	17
5538	Molecular dynamics simulation of droplet nucleation and growth on a rough surface: revealing the microscopic mechanism of the flooding mode. RSC Advances, 2018, 8, 24517-24524.	1.7	36
5539	Conjugation Chemistry Principles and Surface Functionalization of Nanomaterials. , 2018, , 35-66.		6
5540	Emerging investigator series: it's not all about the ion: support for particle-specific contributions to silver nanoparticle antimicrobial activity. Environmental Science: Nano, 2018, 5, 2047-2068.	2.2	61
5541	Synthesis and Self-Assembly of Chiral Cylindrical Molecular Complexes: Functional Heterogeneous Liquid-Solid Materials Formed by Helicene Oligomers. Molecules, 2018, 23, 277.	1.7	14
5542	Epitaxially Grown Ultra-Flat Self-Assembling Monolayers with Dendrimers. Molecules, 2018, 23, 485.	1.7	0
5543	Theoretical Insights into the Solvent Polarity Effect on the Quality of Self-Assembled N-Octadecanethiol Monolayers on Cu (111) Surfaces. Molecules, 2018, 23, 733.	1.7	3
5544	NIR-Emitting Alloyed CdTeSe QDs and Organic Dye Assemblies: A Nontoxic, Stable, and Efficient FRET System. Nanomaterials, 2018, 8, 231.	1.9	16

#	Article	IF	CITATIONS
5545	Synthesis of Alkanethiolate-Capped Metal Nanoparticles Using Alkyl Thiosulfate Ligand Precursors: A Method to Generate Promising Reagents for Selective Catalysis. Nanomaterials, 2018, 8, 346.	1.9	32
5546	Self-Assembled Nanoporous Biofilms from Functionalized Nanofibrous M13 Bacteriophage. Viruses, 2018, 10, 322.	1.5	13
5547	Self-healing and superstretchable conductors from hierarchical nanowire assemblies. Nature Communications, 2018, 9, 2786.	5.8	195
5548	Multiplexed Biomolecular Arrays Generated via Parallel Dip-Pen Nanolithography. ACS Applied Materials & Interfaces, 2018, 10, 25121-25126.	4.0	12
5549	AFM study of adhesion and interactions between polyelectrolyte bilayers assembly. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 555, 465-472.	2.3	7
5550	Robust Surface Plasmon Resonance Chips for Repetitive and Accurate Analysis of Lignin–Peptide Interactions. ACS Omega, 2018, 3, 7483-7493.	1.6	6
5551	Assignment of NEXAFS Resonances in Alkanethiols and Their Implication on the Determination of Molecular Orientation of Aliphatic SAMs. Journal of Physical Chemistry C, 2018, 122, 16810-16820.	1.5	6
5552	Formation of Alkanethiol Supported Hybrid Membranes Revisited. Biotechnology Journal, 2018, 13, e1800101.	1.8	7
5553	Precise Dispensing Technology Using Electroformed Tubes for Micro-Volume Blood Diagnosis. IEEE Journal of Translational Engineering in Health and Medicine, 2018, 6, 1-6.	2.2	3
5554	Mixedâ€monolayer of Nâ€hydroxysuccinimideâ€terminated crossâ€linker and short alkanethiol to improve the efficiency of biomolecule binding for biosensing. Surface and Interface Analysis, 2018, 50, 866-878.	0.8	13
5555	A dicyanoisophorone-based near-infrared fluorescent probe and its application for detecting thiophenols in water and living cells. Dyes and Pigments, 2018, 159, 604-609.	2.0	29
5556	Aromatic Thiolate-Protected Series of Gold Nanomolecules and a Contrary Structural Trend in Size Evolution. Accounts of Chemical Research, 2018, 51, 1774-1783.	7.6	162
5557	Silica nanocomposites based on silver nanoparticles-functionalization and pH effect. Applied Nanoscience (Switzerland), 2018, 8, 1649-1668.	1.6	23
5558	Thickness and Beyond. Exploiting Spectroscopic Ellipsometry and Atomic Force Nanolithography for the Investigation of Ultrathin Interfaces of Biologic Interest. Springer Series in Surface Sciences, 2018, , 63-93.	0.3	2
5559	Near-Surface Structure of Plasma Polymer Films Affects Surface Behavior in Water and its Interaction with Proteins. Plasma Chemistry and Plasma Processing, 2018, 38, 851-870.	1.1	6
5560	Detection of Paracetamol in Water and Urea in Artificial Urine with Gold Nanoparticle@Al Foil Cost-efficient SERS Substrate. Analytical Sciences, 2018, 34, 183-187.	0.8	26
5561	Transparent In-Ga-Zn-O field effect glucose sensors fabricated directly on highly curved substrates. Sensors and Actuators B: Chemical, 2018, 268, 123-128.	4.0	10
5562	Electrostatic Repulsion-Induced Desorption of Dendritic Viologen-Arranged Molecules Anchored on a Gold Surface through a Gold–Thiolate Bond Leading to a Tunable Molecular Template. Langmuir, 2018, 34, 6420-6427.	1.6	1

#	Article	IF	CITATIONS
5564	Structure and Interactions of Polymer Thin Films from Infrared Ellipsometry. Springer Series in Surface Sciences, 2018, , 145-171.	0.3	1
5565	Controlling Surface Segregation of a Polymer To Display Carboxy Groups on an Outermost Surface Using Perfluoroacyl Groups. Langmuir, 2018, 34, 6396-6404.	1.6	9
5566	Inhibiting Reductive Elimination as an Intramolecular Disulfide Dramatically Enhances the Thermal Stability of SAMs on Gold Derived from Bidentate Adsorbents. Langmuir, 2018, 34, 6645-6652.	1.6	6
5567	Insights into the self-assembly of aromatic dinitroso derivatives on gold surface. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 552, 110-117.	2.3	2
5568	Mixed Monomolecular Films with Embedded Dipolar Groups on Ag(111). Journal of Physical Chemistry C, 2018, 122, 19514-19523.	1.5	16
5569	Sensitization with Stannous Acetate in Dimethyl Sulfoxide for Silver Electroless Deposition. Journal of the Electrochemical Society, 2018, 165, D488-D493.	1.3	1
5570	Ligand Structure Determines Nanoparticles' Atomic Structure, Metal-Ligand Interface and Properties. Frontiers in Chemistry, 2018, 6, 330.	1.8	58
5571	Energetic Microparticle Adhesion to Functionalized Surfaces. Propellants, Explosives, Pyrotechnics, 2018, 43, 862-868.	1.0	3
5572	Structure of the Condensation Products of D-Lactose and D-Maltose with SH-Contaning Carboxylic Acid Hydrazides. Russian Journal of General Chemistry, 2018, 88, 1199-1204.	0.3	9
5573	Synthesis of Gold Glyconanoparticles Based on the Condensation Products of D-Lactose and D-Maltose with SH-Containing Hydrazides. Russian Journal of General Chemistry, 2018, 88, 1205-1209.	0.3	6
5574	A tripod anchor offers improved robustness of peptide-based electrochemical biosensors. Sensors and Actuators B: Chemical, 2018, 274, 662-667.	4.0	16
5575	Molecular Affinity Agents for Intrinsic Surface-Enhanced Raman Scattering (SERS) Sensors. ACS Applied Materials & Interfaces, 2018, 10, 31825-31844.	4.0	85
5576	Thioetherâ€Functionalized Corn Oil Biosorbents for the Removal of Mercury and Silver Ions from Aqueous Solutions. JAOCS, Journal of the American Oil Chemists' Society, 2018, 95, 1189-1200.	0.8	3
5577	Live Intracellular Biorthogonal Imaging by Surface Enhanced Raman Spectroscopy using Alkyne-Silver Nanoparticles Clusters. Scientific Reports, 2018, 8, 12652.	1.6	23
5578	Engineering Protein–Gold Nanoparticle/Nanorod Complexation via Surface Modification for Protein Immobilization and Potential Therapeutic Applications. ACS Applied Nano Materials, 2018, 1, 4053-4063.	2.4	16
5579	Single-molecule detection with a millimetre-sized transistor. Nature Communications, 2018, 9, 3223.	5.8	184
5580	Amorphous/Crystalline Heteroâ€Phase Pd Nanosheets: Oneâ€Pot Synthesis and Highly Selective Hydrogenation Reaction. Advanced Materials, 2018, 30, e1803234.	11.1	231
5581	Specific Ion Effects on the Interaction of Hydrophobic and Hydrophilic Self-Assembled Monolayers. Langmuir, 2018, 34, 10254-10261.	1.6	14

#	Article	IF	CITATIONS
5582	Stability of Silver and Gold Nanoparticles Under Electron Beam Irradiation. Springer Theses, 2018, , 69-82.	0.0	0
5583	Epitaxy of Anthraquinone on (100) NaCl: A Quantitative Approach. Crystal Growth and Design, 2018, 18, 5099-5107.	1.4	3
5584	Characterization of 11-mercaptoundecanoic and 3-mercaptopropionic acids adsorbed on silver by surface-enhanced Raman scattering. Vibrational Spectroscopy, 2018, 98, 139-144.	1.2	30
5585	MPTMS self-assembled monolayer deposition for ultra-thin gold films for plasmonics. Journal of Physics Communications, 2018, 2, 035005.	0.5	26
5586	Spontaneous Breaking and Remaking of the RS–Au–SR Staple in Self-assembled Ethylthiolate/Au(111) Interface. Journal of Physical Chemistry C, 2018, 122, 19473-19480.	1.5	13
5587	Electrocatalytic Upgrading of Biomassâ€Derived Intermediate Compounds to Valueâ€Added Products. Chemistry - A European Journal, 2018, 24, 18258-18270.	1.7	140
5588	Lectin-based biosensors as analytical tools for clinical oncology. Cancer Letters, 2018, 436, 63-74.	3.2	20
5589	Understanding Keesom Interactions in Monolayer-Based Large-Area Tunneling Junctions. Journal of Physical Chemistry Letters, 2018, 9, 5078-5085.	2.1	26
5590	Thioester functional polymers. Polymer Chemistry, 2018, 9, 4507-4516.	1.9	66
5591	Development of a candidate reference sample for the characterization of tip-enhanced Raman spectroscopy spatial resolution. RSC Advances, 2018, 8, 27863-27869.	1.7	7
5592	A comprehensive review on polymer single crystals—From fundamental concepts to applications. Progress in Polymer Science, 2018, 81, 22-79.	11.8	59
5593	Gold Nanoparticles for Imaging and Cancer Therapy. Nanomedicine and Nanotoxicology, 2018, , 1-50.	0.1	0
5594	Rotationally resolved spectrum of the B1A′ – X1A′ 000 band of CuSH. Journal of Molecular Spectroscopy, 2018, 350, 27-29.	0.4	4
5595	Nanoarrays on Passivated Aluminum Surface for Site-Specific Immobilization of Biomolecules. ACS Applied Bio Materials, 2018, 1, 125-135.	2.3	3
5596	The critical role of wavelength in the UV-activated grafting of 1-alkene onto silicon and silicon nitride SixN4 surfaces. Chemical Communications, 2018, 54, 7167-7170.	2.2	1
5597	Application of bioconjugation chemistry on biosensor fabrication for detection of TAR-DNA binding protein 43. Biosensors and Bioelectronics, 2018, 117, 60-67.	5.3	36
5598	Multilayer-tuned surface plasmon modes using molecular nanolayer of (3-mercaptopropyl)trimethoxysilane applicable for nanobiosensing application. Materials and Design, 2018, 155, 99-105.	3.3	3
5599	Probing Phase Evolutions of Au-Methyl-Propyl-Thiolate Self-Assembled Monolayers on Au(111) at the Molecular Level. Journal of Physical Chemistry B, 2018, 122, 6666-6672.	1.2	4

		CITATION REP	PORT	
#	Article		IF	CITATIONS
5600	Measurement of adsorption constants of laccase on gold nanoparticles to evaluate the enhancement of adsorbed laccase. Physical Chemistry Chemical Physics, 2018, 20, 16761-167		1.3	11
5601	Localized electronic structures of graphene oxide studied using scanning tunneling microscopy an spectroscopy. Physical Chemistry Chemical Physics, 2018, 20, 17977-17982.	d	1.3	7
5602	Real-time and rapid detection of <i>Salmonella</i> Typhimurium using an inexpensive lab-built surfa plasmon resonance setup. Laser Physics Letters, 2018, 15, 075701.	се	0.6	11
5603	Gold Nanoparticle Labels and Heterogeneous Immunoassays: The Case for the Inverted Substrate. Analytical Chemistry, 2018, 90, 8665-8672.		3.2	4
5604	Bioconjugated, Single-Use Biosensor for the Detection of Biomarkers of Prostate Cancer. ACS Ome 2018, 3, 6411-6418.	2ga,	1.6	13
5605	Impact of Metal-Optical Properties on Surface-Enhanced Infrared Absorption. Journal of Physical Chemistry C, 2018, 122, 15678-15687.		1.5	14
5606	Impacts of pH and Intermolecular Interactions on Surface-Enhanced Raman Scattering Chemical Enhancements. Journal of Physical Chemistry C, 2018, 122, 14846-14856.		1.5	34
5607	Probing the dynamics of dithiooxamide coordinated to gold nanoparticles using SERS. Journal of Raman Spectroscopy, 2018, 49, 1478-1486.		1.2	8
5608	A novel electrochemical immunosensor based on Au nanoparticles and horseradish peroxidase sigr amplification for ultrasensitive detection of α-fetoprotein. Biomedical Microdevices, 2018, 20, 46.	al	1.4	8
5609	Water near bioinert self-assembled monolayers. Polymer Journal, 2018, 50, 563-571.		1.3	19
5610	Binding of Nanoparticles to Aminated Plasma Polymer Surfaces is Controlled by Primary Amine Der and Solution pH. Journal of Physical Chemistry C, 2018, 122, 14986-14995.	ısity	1.5	9
5611	Gold nanoparticles for cancer diagnostics, spectroscopic imaging, drug delivery, and plasmonic photothermal therapy. , 2018, , 41-91.			10
5612	Triarylboron Anchored Luminescent Probes: Selective Detection and Imaging of Thiophenols in the Intracellular Environment. Langmuir, 2018, 34, 8170-8177.		1.6	35
5613	Low-Fouling Characteristics of Ultrathin Zwitterionic Cysteine SAMs. Langmuir, 2019, 35, 1756-17	67.	1.6	18
5614	Molecular Design of Zwitterionic Polymer Interfaces: Searching for the Difference. Langmuir, 2019 1056-1071.	, 35,	1.6	98
5615	Probing the biological obstacles of nanomedicine with gold nanoparticles. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2019, 11, e1542.		3.3	51
5616	Polymeric molecular coating for oxidation resistance property of copper surface. Polymer Bulletin, 2019, 76, 2311-2319.		1.7	2
5617	Highly Sensitive and Multiplexed Protein Measurements. Chemical Reviews, 2019, 119, 293-321.		23.0	187

#	Article	IF	CITATIONS
5618	Sub-picogram level sensitivity in HIV diagnostics achieved with the europium nanoparticle immunoassay through metal enhanced fluorescence. Nanoscale Advances, 2019, 1, 273-280.	2.2	9
5619	Functional Biointerfaces Based on Mixed Zwitterionic Self-Assembled Monolayers for Biosensing Applications. Langmuir, 2019, 35, 1652-1661.	1.6	44
5620	Forming Ferrocenyl Selfâ€Assembled Monolayers on Si(100) Electrodes with Different Alkyl Chain Lengths for Electron Transfer Studies. ChemElectroChem, 2019, 6, 211-220.	1.7	18
5621	Comparative Study of the Adsorption of Thiol and Isocyanide Molecules on a Silver Surface by in Situ Surface-Enhanced Raman Scattering. Journal of Physical Chemistry C, 2019, 123, 21571-21580.	1.5	16
5622	Layer-by-Layer Assembly of SAM-supported Porphyrin-based Metal Organic Frameworks for Molecular Recognition. Colloid Journal, 2019, 81, 401-410.	0.5	6
5623	Antiadhesive Nanosomes Facilitate Targeting of the Lysosomal GlcNAc Salvage Pathway through Derailed Cancer Endocytosis. Angewandte Chemie, 2019, 131, 14655-14660.	1.6	2
5624	Reaction mechanisms at the homogeneous–heterogeneous frontier: insights from first-principles studies on ligand-decorated metal nanoparticles. Catalysis Science and Technology, 2019, 9, 5173-5185.	2.1	33
5625	The construction of an effective far-red fluorescent and colorimetric platform containing a merocyanine core for the specific and visual detection of thiophenol in both aqueous medium and living cells. New Journal of Chemistry, 2019, 43, 14139-14144.	1.4	10
5626	Formation, Stability, and Replacement of Thiol Selfâ€Assembled Monolayers as a Practical Guide to Prepare Nanogaps in Nanoparticleâ€onâ€Mirror Systems. Bulletin of the Korean Chemical Society, 2019, 40, 839-842.	1.0	6
5627	One Stone with Two Birds: Functional Gold Nanostar for Targeted Combination Therapy of Drug-Resistant <i>Staphylococcus aureus</i> Infection. ACS Applied Materials & Interfaces, 2019, 11, 32659-32669.	4.0	54
5628	3D hybrid networks of gold nanoparticles: mechanoresponsive electrical humidity sensors with on-demand performances. Nanoscale, 2019, 11, 19319-19326.	2.8	17
5629	Computational and experimental approach to understanding the structural interplay of self-assembled end-terminated alkanethiolates on gold surfaces. Physical Chemistry Chemical Physics, 2019, 21, 23320-23328.	1.3	6
5630	Thermal Effect on Positive Patterned Selfâ€Assembled Monolayer Grown from a Droplet of Alkanethiol. Journal of Computational Chemistry, 2019, 40, 2636-2642.	1.5	1
5631	Virus-Sized Gold Nanorods: Plasmonic Particles for Biology. Accounts of Chemical Research, 2019, 52, 2124-2135.	7.6	54
5632	Smart and Active Edible Coatings Based on Biopolymers. , 2019, , 391-416.		10
5633	Formation of well-defined supramolecular microstructures consisting of γ-cyclodextrin and polyether —rods, cubes, plates, and nanosheets—guided by guest polymer structure. Polymer, 2019, 179, 121689.	1.8	9
5634	2D hybrid networks of gold nanoparticles: mechanoresponsive optical humidity sensors. Nanoscale, 2019, 11, 19315-19318.	2.8	15
5635	Analysis of Adsorbates and Interfacial Forces at Metal Oxide Interfaces at Defined Environmental Conditions. , 2019, , 1-30.		0

#	Article	IF	CITATIONS
5636	Antiadhesive Nanosomes Facilitate Targeting of the Lysosomal GlcNAc Salvage Pathway through Derailed Cancer Endocytosis. Angewandte Chemie - International Edition, 2019, 58, 14513-14518.	7.2	12
5637	Multidentate Anchors for Surface Functionalization. Chemistry - an Asian Journal, 2019, 14, 3119-3126.	1.7	16
5638	Modular fabrication of intelligent material-tissue interfaces for bioinspired and biomimetic devices. Progress in Materials Science, 2019, 106, 100589.	16.0	72
5639	Tip-Patched Nanoprisms from Formation of Ligand Islands. Journal of the American Chemical Society, 2019, 141, 11796-11800.	6.6	54
5640	Nonsolvent induced reconfigurable bonding configurations of ligands in nanoparticle purification. Nanoscale Horizons, 2019, 4, 1416-1424.	4.1	6
5641	Unraveling the Failure Modes of Molecular Diodes: The Importance of the Monolayer Formation Protocol and Anchoring Group to Minimize Leakage Currents. Journal of Physical Chemistry C, 2019, 123, 19759-19767.	1.5	11
5642	A Simple Method for Patterning Nanoparticles on Planar Surfaces. Journal of Nanotechnology, 2019, 2019, 2019, 1-7.	1.5	2
5643	Utilizing the Organizational Power of DNA Scaffolds for New Nanophotonic Applications. Advanced Optical Materials, 2019, 7, 1900562.	3.6	30
5644	Hierarchically patterned striped phases of polymerized lipids: toward controlled carbohydrate presentation at interfaces. Faraday Discussions, 2019, 219, 229-243.	1.6	15
5645	An atom probe analysis of self-assembled monolayers: A novel approach to investigate mixed and unmixed self-assembled monolayers (SAMs) on gold. Applied Surface Science, 2019, 494, 152-161.	3.1	5
5646	Perspective on the Interfacial Reduction Reaction. Langmuir, 2019, 35, 9647-9659.	1.6	7
5647	Modulation of HCHO, H2O and H adsorption on AgPd cocatalyst by optimizing of selective exposed facet to enhancing the efficiency of conversion toxic formaldehyde into hydrogen driven by visible light. Journal of Catalysis, 2019, 375, 493-506.	3.1	12
5648	Bioâ€Inspired Synthesis of Hematite Mesocrystals by Using Xonotlite Nanowires as Growth Modifiers and Their Improved Oxygen Evolution Activity. ChemSusChem, 2019, 12, 3747-3752.	3.6	6
5649	Recent Advances in Interface Engineering of Transition-Metal Dichalcogenides with Organic Molecules and Polymers. ACS Nano, 2019, 13, 9713-9734.	7.3	72
5650	Look beyond the surface: recent progress in applications of surface-segregated monolayers for organic electronics. Polymer Journal, 2019, 51, 1117-1126.	1.3	18
5651	Self-Assembly of Ultrathin Nanocrystals to Multidimensional Superstructures. Langmuir, 2019, 35, 10246-10266.	1.6	17
5652	Conformationally directed assembly of peptides on 2D surfaces mediated by thermal stimuli. Soft Matter, 2019, 15, 7360-7368.	1.2	9
5653	The Impact of Dipolar Layers on the Electronic Properties of Organic/Inorganic Hybrid Interfaces. Advanced Materials Interfaces, 2019, 6, 1900581.	1.9	112

#	Article	IF	CITATIONS
5654	Two Different Length-Dependent Regimes in Thermoelectric Large-Area Junctions of <i>n</i> -Alkanethiolates. Chemistry of Materials, 2019, 31, 5973-5980.	3.2	27
5655	Applications of Nanotechnology in Plant Growth and Crop Protection: A Review. Molecules, 2019, 24, 2558.	1.7	641
5656	Formation of High-Density Brush of Liquid Crystalline Polymer Block Associated with Dewetting Process on Amorphous Polymer Film. Langmuir, 2019, 35, 10397-10404.	1.6	6
5657	Direct Assembly and Metal-Ion Binding Properties of Oxytocin Monolayer on Gold Surfaces. Langmuir, 2019, 35, 11114-11122.	1.6	8
5658	Magnetic-related States and Order Parameter Induced in a Conventional Superconductor by Nonmagnetic Chiral Molecules. Nano Letters, 2019, 19, 5167-5175.	4.5	34
5659	Nylon-Supported Plasmonic Assay Based on the Aggregation of Silver Nanoparticles: In Situ Determination of Hydrogen Sulfide-like Compounds in Breath Samples as a Proof of Concept. ACS Sensors, 2019, 4, 2164-2172.	4.0	31
5660	Functionalization of graphene layers and advancements in device applications. Carbon, 2019, 152, 954-985.	5.4	110
5661	Stabilizing Silver Window Electrodes for Organic Photovoltaics Using a Mercaptosilane Monolayer. ACS Applied Energy Materials, 2019, 2, 5198-5205.	2.5	7
5662	Chemical modification of 2D materials using molecules and assemblies of molecules. Advances in Physics: X, 2019, 4, 1625723.	1.5	51
5663	Resolving Optical and Catalytic Activities in Thermoresponsive Nanoparticles by Permanent Ligation with Temperatureâ€ 5 ensitive Polymers. Angewandte Chemie, 2019, 131, 12036-12043.	1.6	7
5664	Spatially Heterogeneous Water Properties at Disordered Surfaces Decrease the Hydrophobicity of Nonpolar Self-Assembled Monolayers. Journal of Physical Chemistry Letters, 2019, 10, 3991-3997.	2.1	20
5665	Chirality Discrimination at the Single Molecule Level by Using a Cationic Supermolecule Quasi-Gated Organic Field Effect Transistor. ACS Sensors, 2019, 4, 2009-2017.	4.0	14
5666	Chain-Length-Dependent Reactivity of Alkanethiolate Self-Assembled Monolayers with Atomic Hydrogen. Journal of Physical Chemistry C, 2019, 123, 26932-26938.	1.5	4
5667	Defects in Self-Assembled Monolayers on Nanoparticles Prompt Phospholipid Extraction and Bilayer-Curvature-Dependent Deformations. Journal of Physical Chemistry C, 2019, 123, 27951-27958.	1.5	11
5668	The aggregation and micellization of ionic surfactants in aqueous solution detected using surface-confined redox and ion-pairing reactions. Electrochimica Acta, 2019, 326, 134991.	2.6	2
5669	Conformal Ultrathin Film Metal–Organic Framework Analogues: Characterization of Growth, Porosity, and Electronic Transport. Chemistry of Materials, 2019, 31, 8977-8986.	3.2	11
5670	Selfâ€Assembly of Nanoparticleâ€Spiked Pillar Arrays for Plasmonic Biosensing. Advanced Functional Materials, 2019, 29, 1904257.	7.8	47
5671	AS1411 Aptamer/Hyaluronic Acid-Bifunctionalized Microemulsion Co-Loading Shikonin and Docetaxel for Enhanced Antiglioma Therapy. Journal of Pharmaceutical Sciences, 2019, 108, 3684-3694.	1.6	29

#	Article	IF	CITATIONS
5672	Functionalization of Titanium Oxide Cluster Ti ₁₇ O ₂₄ (O ^{<i>i</i>/i>} C ₃ H ₇) ₂₀ with Catechols: Structures and Ligandâ€Exchange Reactivities. Chemistry - A European Journal, 2019, 25, 14843-14849.	1.7	18
5673	Formation of long-range-ordered self-assembled monolayers of dodecyl thiocyanates on Au(111) via ambient-pressure vapor deposition. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 583, 123969.	2.3	17
5674	Recent Progress in the Development of Fluorescent Probes for Thiophenol. Molecules, 2019, 24, 3716.	1.7	22
5675	Formation of Ligand Clusters on Multimodal Chromatographic Surfaces. Langmuir, 2019, 35, 16770-16779.	1.6	9
5676	Solution Phase and Surface Photoisomerization of a Hydrazone Switch with a Long Thermal Half-Life. Journal of the American Chemical Society, 2019, 141, 17637-17645.	6.6	30
5677	Electrochemical evaluation of synthesized s-triazine derivatives for improving 316L stainless steel for biomedical applications. Monatshefte F¼r Chemie, 2019, 150, 1761-1771.	0.9	6
5678	Devices for promising applications. , 2019, , 247-314.		0
5679	Study of the Molecular Bending in Azobenzene Self-Assembled Monolayers Observed by Tip-Enhanced Raman Spectroscopy in Scanning Tunneling Mode. Journal of Physical Chemistry C, 2019, 123, 26554-26563.	1.5	5
5680	Gas Consumption-Aware Dynamic Load Balancing in Ethereum Sharding Environments. , 2019, , .		8
5681	Review—Beyond the Highs and Lows: A Perspective on the Future of Dielectrics Research for Nanoelectronic Devices. ECS Journal of Solid State Science and Technology, 2019, 8, N159-N185.	0.9	17
5682	Nanostructured Mixed Layers of Organic Materials Obtained by Nanosphere Lithography and Electrochemical Reduction of Aryldiazonium Salts. Langmuir, 2019, 35, 15071-15077.	1.6	10
5683	Structural Changes of Mercaptohexanol Self-Assembled Monolayers on Gold and Their Influence on Impedimetric Aptamer Sensors. Analytical Chemistry, 2019, 91, 14697-14704.	3.2	52
5684	Efficient and Long-Lasting Current Rectification by Laminated Yet Separated, Oppositely Charged Monolayers. ACS Applied Electronic Materials, 2019, 1, 2295-2300.	2.0	9
5685	Nanoscale Spatial Separation to Regulate Gold Microstructures Formation. ChemistrySelect, 2019, 4, 12104-12110.	0.7	0
5686	Plasmonic Metamaterials for Nanochemistry and Sensing. Accounts of Chemical Research, 2019, 52, 3018-3028.	7.6	85
5687	Molecular Control of Heterogeneous Electrocatalysis through Graphite Conjugation. Accounts of Chemical Research, 2019, 52, 3432-3441.	7.6	81
5688	Electrodeposited surfaces with reversibly switching interfacial properties. Science Advances, 2019, 5, eaax0380.	4.7	43
5689	Optimized Immobilization of Biomolecules on Nonspherical Gold Nanostructures for Efficient Localized Surface Plasmon Resonance Biosensing. Analytical Chemistry, 2019, 91, 15090-15098.	3.2	17

#	Article	IF	CITATIONS
5690	Physicochemical Properties of Nanostructured Complexes Formed between Deferrioxamine Siderophore and Zr(IV), Hf(IV), or Fe(III) Metal Ions at the Gold Electrode/Solution Interface: A Comparative Study. Journal of Physical Chemistry C, 2019, 123, 29932-29945.	1.5	5
5691	Orientation-Controlled Bioconjugation of Antibodies to Silver Nanoparticles. Bioconjugate Chemistry, 2019, 30, 3078-3086.	1.8	26
5692	In Operando Characterization and Control over Intermittent Light Emission from Molecular Tunnel Junctions via Molecular Backbone Rigidity. Advanced Science, 2019, 6, 1900390.	5.6	13
5693	End Group Properties of Thiols Affecting the Self-Assembly Mechanism at Gold Nanoparticles Film As Evidenced by Water Infrared Probe. Analytical Chemistry, 2019, 91, 14508-14513.	3.2	7
5694	Dielectric Nanomaterials for Power Energy Storage: Surface Modification and Characterization. ACS Applied Nano Materials, 2019, 2, 627-642.	2.4	52
5695	Online Signature Analysis for Characterizing Early Stage Alzheimer's Disease: A Feasibility Study. Entropy, 2019, 21, 956.	1.1	6
5696	Formation of Highly Ordered Terminal Alkyne Self-Assembled Monolayers on the Au{111} Surface through Substitution of 1-Decaboranethiolate. Journal of Physical Chemistry C, 2019, 123, 1348-1353.	1.5	6
5697	Adsorption of Amyloidogenic Peptides to Functionalized Surfaces Is Biased by Charge and Hydrophilicity. Langmuir, 2019, 35, 14522-14531.	1.6	19
5698	Wettability Measurements of Mixed Clay Minerals at Elevated Temperature and Pressure: Implications for CO2 Geo-Storage. , 2019, , .		10
5699	Isolated Effects of Surface Ligand Density on the Catalytic Activity and Selectivity of Palladium Nanoparticles. ACS Applied Nano Materials, 2019, 2, 7188-7196.	2.4	11
5700	Ordered Structures and Morphology-Induced Phase Transitions at Graphite–Acetonitrile Interfaces. Journal of Physical Chemistry C, 2019, 123, 22390-22396.	1.5	7
5701	Low energy electron interactions with 1-decanethiol self-assembled monolayers on Au(111). Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2019, 37, .	0.9	2
5702	Nanoscale Mapping of the Physical Surface Properties of Human Buccal Cells and Changes Induced by Saliva. Langmuir, 2019, 35, 12647-12655.	1.6	15
5703	A highly sensitive fluorescence probe for thiophenol in living cells via a substitution-cyclization strategy. Tetrahedron, 2019, 75, 130538.	1.0	8
5704	Influence of the distal guanidine group on the rate and selectivity of O ₂ reduction by iron porphyrin. Chemical Science, 2019, 10, 9692-9698.	3.7	33
5705	Mixed monolayer decorated SPR sensing surface for thrombin detection. Journal of Pharmaceutical and Biomedical Analysis, 2019, 176, 112822.	1.4	8
5706	Chemical Sensing Platforms Based on Organic Thin-Film Transistors Functionalized with Artificial Receptors. ACS Sensors, 2019, 4, 2571-2587.	4.0	62
5707	A method for structure prediction of metal-ligand interfaces of hybrid nanoparticles. Nature Communications, 2019, 10, 3973.	5.8	37

#	Article	IF	CITATIONS
5708	Hierarchically oriented organization inÂsupramolecular peptide crystals. Nature Reviews Chemistry, 2019, 3, 567-588.	13.8	326
5709	Method for Strong Parylene-C Bonding to Surfaces Containing Gold and Silicon Dioxide. , 2019, , .		Ο
5710	Atomic Sulfur Formation Mechanism on 3-Mercaptopropanoic Acid Derivative Self-Assembled Monolayers: Understanding the C–S Bond Cleavage. Journal of Physical Chemistry C, 2019, 123, 24156-24164.	1.5	5
5711	Imaging Ion Pairs Forming Structural Arrangements in Interfacial Regions. ACS Omega, 2019, 4, 15684-15693.	1.6	1
5712	Immobilization of Proteins with Controlled Load and Orientation. ACS Applied Materials & Interfaces, 2019, 11, 36391-36398.	4.0	36
5713	Interface-Driven Hybrid Materials Based on DNA-Functionalized Gold Nanoparticles. Matter, 2019, 1, 825-847.	5.0	147
5714	Multivalent Cluster Nanomolecules for Inhibiting Protein–Protein Interactions. Bioconjugate Chemistry, 2019, 30, 2594-2603.	1.8	10
5715	Preparation and characterization of ordered Poly(3,4-Ethylenedioxythiophene) monolayers on Au(111) surfaces. Electrochimica Acta, 2019, 323, 134818.	2.6	0
5716	Diffusion of Au(CH ₃ S) ₂ on Au(111) Observed with the Scanning Tunneling Microscope. Journal of Physical Chemistry C, 2019, 123, 24104-24110.	1.5	9
5717	Environmental effects of chitosan as an immobilization medium for electrochemically active small molecules. Journal of Coordination Chemistry, 2019, 72, 2160-2176.	0.8	0
5718	Elucidation of the Structure of a Thiol Functionalized Cu-tmpa Complex Anchored to Gold via a Self-Assembled Monolayer. Inorganic Chemistry, 2019, 58, 13007-13019.	1.9	5
5719	Orientation-Selective Growth of Single-Atomic-Layer Gold Nanosheets via van der Waals Interlocking and Octanethiolate-Confined Molecular Channels. Journal of Physical Chemistry C, 2019, 123, 25228-25235.	1.5	1
5720	Effect of Nanogap Morphology on Plasmon Coupling. ACS Nano, 2019, 13, 12100-12108.	7.3	48
5721	A Bottom-Up Approach for Developing Aptasensors for Abused Drugs: Biosensors in Forensics. Biosensors, 2019, 9, 118.	2.3	17
5722	Self-Assembled Monolayers of Redox-Active 4d–4f Heterobimetallic Complexes. Langmuir, 2019, 35, 13711-13717.	1.6	2
5723	Printing "Smart―Inks of Redox-Responsive Organometallic Polymers on Microelectrode Arrays for Molecular Sensing. ACS Applied Materials & Interfaces, 2019, 11, 37060-37068.	4.0	10
5724	Mimicking the bioelectrocatalytic function of recombinant CotA laccase through electrostatically self-assembled bioconjugates. Nanoscale, 2019, 11, 1549-1554.	2.8	9
5725	Surface Attachment Enhances the Thermodynamic Stability of Proteinâ€L. Angewandte Chemie, 2019, 131, 1728-1732.	1.6	1

#	Article	IF	CITATIONS
5726	Characterisation ofNâ€(Octadecyl)â€1,8â€naphthalimide Monolayer Compression Using Molecular Dynamics and Experimental Approaches. Chemistry - an Asian Journal, 2019, 14, 1221-1229.	1.7	2
5727	Methane (CH ₄) Wettability of Clay-Coated Quartz at Reservoir Conditions. Energy & Fuels, 2019, 33, 788-795.	2.5	64
5728	Structure of Mixed Acid/Decyl Monolayers Grafted on Oxide-Free Si(111) Surfaces. Langmuir, 2019, 35, 2547-2553.	1.6	3
5729	Potentiometric detection of biogenic amines utilizing affinity on a 4-mercaptobenzoic acid monolayer. Analytical Methods, 2019, 11, 1155-1158.	1.3	14
5730	Electrochemically driven interfacial halogen bonding on self-assembled monolayers for anion detection. Chemical Communications, 2019, 55, 1983-1986.	2.2	25
5731	Synthesis, characterization and biological investigation of platinum(<scp>ii</scp>) complexes with asparagusic acid derivatives as ligands. Dalton Transactions, 2019, 48, 936-944.	1.6	14
5732	Ultralow surface energy self-assembled monolayers of iodo-perfluorinated alkanes on silica driven by halogen bonding. Nanoscale, 2019, 11, 2401-2411.	2.8	8
5733	Charge transport through redox active [H ₇ P ₈ W ₄₈ O ₁₈₄] ^{33â~`} polyoxometalates self-assembled onto gold surfaces and gold nanodots. Nanoscale, 2019, 11, 1863-1878.	2.8	25
5734	Efficiently Rotating the Magnetization Vector in a Magnetic Semiconductor via Organic Molecules. ACS Applied Materials & Interfaces, 2019, 11, 6615-6623.	4.0	7
5735	Energy Transfer of Peptide Ions Colliding with a Selfâ€Assembled Monolayer Surface. The Influence of Peptide Ion Size. Chinese Journal of Chemistry, 2019, 37, 237.	2.6	1
5736	Dynamically Switching the Electronic and Electrostatic Properties of Indium–Tin Oxide Electrodes with Photochromic Monolayers: Toward Photoswitchable Optoelectronic Devices. ACS Applied Nano Materials, 2019, 2, 1102-1110.	2.4	20
5737	Principles for Sensitive and Robust Biomolecular Interaction Analysis: The Limits of Detection and Resolution of Diffraction-Limited Focal Molography. Physical Review Applied, 2019, 11, .	1.5	15
5738	Self-assembly of reactive difunctional molecules on nickel electrode. Surfaces and Interfaces, 2019, 15, 19-25.	1.5	11
5739	Nanohole array plasmonic biosensors: Emerging point-of-care applications. Biosensors and Bioelectronics, 2019, 130, 185-203.	5.3	81
5740	Design and Synthesis of a Fluorescent Probe with a Large Stokes Shift for Detecting Thiophenols and Its Application in Water Samples and Living Cells. Molecules, 2019, 24, 375.	1.7	9
5741	Biological recognition at interfaces involving dendritic molecules. Polymer Journal, 2019, 51, 535-546.	1.3	6
5742	Artificial photosynthesis with metal and covalent organic frameworks (MOFs and COFs): challenges and prospects in fuelâ€forming electrocatalysis. Physiologia Plantarum, 2019, 166, 460-471.	2.6	31
5743	Anchor Peptide-Mediated Surface Immobilization of a Grubbs-Hoveyda-Type Catalyst for Ring-Opening Metathesis Polymerization. Bioconjugate Chemistry, 2019, 30, 714-720.	1.8	16

#	Article	IF	CITATIONS
5744	Characterization of mixed-ligand shells on gold nanoparticles by transition metal and supramolecular surface probes. Analyst, The, 2019, 144, 579-586.	1.7	10
5745	Influence of wall heterogeneity on nanoscopically confined polymers. Physical Chemistry Chemical Physics, 2019, 21, 772-779.	1.3	15
5746	pH-responsive targeted gold nanoparticles for <i>in vivo</i> photoacoustic imaging of tumor microenvironments. Nanoscale Advances, 2019, 1, 554-564.	2.2	20
5747	Infrared Vibrational Spectroscopy of Functionalized Atomic Force Microscope Probes using Resonantly Enhanced Infrared Photoexpansion Nanospectroscopy. Small Methods, 2019, 3, 1900018.	4.6	4
5748	Rectification Ratio and Tunneling Decay Coefficient Depend on the Contact Geometry Revealed by in Situ Imaging of the Formation of EGaln Junctions. ACS Applied Materials & Interfaces, 2019, 11, 21018-21029.	4.0	37
5749	Soft nanohand grabs a growing nanoparticle. Materials Chemistry Frontiers, 2019, 3, 1555-1564.	3.2	12
5750	Preblocking Procedure to Mitigate Nonselective Protein Adsorption for Carboxyl-SAMs Used in Biosensing. Journal of Physical Chemistry C, 2019, 123, 16778-16786.	1.5	7
5751	Ultrafast 2,7-Naphthyridine-Based fluorescent probe for detection of thiophenol with a remarkable Stokes shift and its application In vitro and in vivo. Talanta, 2019, 205, 120067.	2.9	12
5752	Scalable methods for ultra-smooth platinum in nanoscale devices. Micro and Nano Engineering, 2019, 3, 50-58.	1.4	5
5753	Deviation from Point Dipole Analysis for Exciton Quenching in Quaterthiophene-Terminated Self-Assembled Monolayers on Au(111). Journal of Physical Chemistry C, 2019, 123, 16127-16136.	1.5	1
5754	Supramolecular chemistry of helical foldamers at the solid–liquid interface: self-assembled monolayers and anion recognition. Chemical Communications, 2019, 55, 8426-8429.	2.2	11
5755	Potent activity of bioconjugated peptide and selenium nanoparticles against colorectal adenocarcinoma cells. Drug Development and Industrial Pharmacy, 2019, 45, 1496-1505.	0.9	12
5756	Fine growth control of electrografted homogeneous thin films on patterned gold electrodes. Electrochimica Acta, 2019, 318, 754-761.	2.6	3
5757	Layerâ€byâ€Layer Assembly: Recent Progress from Layered Assemblies to Layered Nanoarchitectonics. Chemistry - an Asian Journal, 2019, 14, 2553-2566.	1.7	113
5758	Oscillation in the stability of consecutive chemical bonds at the molecule–metal interface – the case of ionic bonding. Physical Chemistry Chemical Physics, 2019, 21, 13411-13414.	1.3	2
5759	Detection of the cancer-associated T antigen using an Arachis hypogaea agglutinin biosensor. Biosensors and Bioelectronics, 2019, 141, 111401.	5.3	11
5760	A chip-based potentiometric sensor for a Zika virus diagnostic using 3D surface molecular imprinting. Analyst, The, 2019, 144, 4266-4280.	1.7	23
5761	Optical coatings of durability based on transition metal nitrides. Thin Solid Films, 2019, 688, 137339.	0.8	27

#	Article	IF	CITATIONS
5762	Intrinsic and well-defined second generation hot spots in gold nanobipyramids <i>versus</i> gold nanorods. Chemical Communications, 2019, 55, 7707-7710.	2.2	24
5763	Directional Excitation of Surface Plasmon Polaritons via Molecular Through-Bond Tunneling across Double-Barrier Tunnel Junctions. Nano Letters, 2019, 19, 4634-4640.	4.5	21
5764	Resolving Optical and Catalytic Activities in Thermoresponsive Nanoparticles by Permanent Ligation with Temperature‣ensitive Polymers. Angewandte Chemie - International Edition, 2019, 58, 11910-11917.	7.2	80
5765	Selective polymorphic crystal growth on self-assembled monolayer using molecular modeling as an assistant method. Journal of Crystal Growth, 2019, 518, 81-88.	0.7	7
5766	Spatial decoupling of macrocyclic metal–organic complexes from a metal support: a 4-fluorothiophenol self-assembled monolayer as a thermally removable spacer. Physical Chemistry Chemical Physics, 2019, 21, 10992-11003.	1.3	10
5767	Improvement of the Thermal Stability of Self-Assembled Monolayers of Isocyanide Derivatives on Gold. Journal of Physical Chemistry C, 2019, 123, 13681-13686.	1.5	13
5768	Cooperativity and coverage dependent molecular desorption in self-assembled monolayers: computational case study with coronene on Au(111) and HOPG. Physical Chemistry Chemical Physics, 2019, 21, 10505-10513.	1.3	11
5769	Carbon–Sulfur Bond Cleavage During Adsorption of Octadecane Thiol to Copper in Ethanol. Langmuir, 2019, 35, 6888-6897.	1.6	13
5770	Intrinsic Effects of Gold Nanoparticles on Oxygen–Glucose Deprivation/Reperfusion Injury in Rat Cortical Neurons. Neurochemical Research, 2019, 44, 1549-1566.	1.6	21
5771	Reversible switching of the Au(111) work function by near infrared irradiation with a bistable SAM based on a radical donor–acceptor dyad. Journal of Materials Chemistry C, 2019, 7, 7418-7426.	2.7	3
5772	Spin Selectivity in Photoinduced Charge-Transfer Mediated by Chiral Molecules. ACS Nano, 2019, 13, 4928-4946.	7.3	82
5773	A Protocol To Characterize Peptide-Based Drug Delivery Systems for miRNAs. ACS Omega, 2019, 4, 7014-7022.	1.6	9
5774	Recent Advances on Electrochemical Biosensing Strategies toward Universal Pointâ€of are Systems. Angewandte Chemie, 2019, 131, 12483-12496.	1.6	57
5775	Functionalized gold nanoparticles for sample preparation: A review. Electrophoresis, 2019, 40, 2438-2461.	1.3	35
5776	Optimization of gold core-mesoporous silica shell functionalization with TPGS and PEI for cancer therapy. Microporous and Mesoporous Materials, 2019, 285, 1-12.	2.2	24
5777	Influence of surface layer properties on the thermo-electro-mechanical characteristics of a MEMS/NEMS piezoresistive cantilever surface stress sensor. Materials Research Express, 2019, 6, 086304.	0.8	10
5778	Interactions of thiol and alkoxy radical with coinage metal nanoclusters. Applied Surface Science, 2019, 487, 1409-1419.	3.1	2
5779	Temperature dependence of physical properties of soft matters on the oscillating solid-liquid interface. Chemical Physics, 2019, 523, 87-91.	0.9	1

#	Article	IF	CITATIONS
5780	Low-Temperature Vapor-Phase Synthesis of Single-Crystalline Gold Nanostructures: Toward Exceptional Electrocatalytic Activity for Methanol Oxidation Reaction. Nanomaterials, 2019, 9, 595.	1.9	4
5781	Recent Advances on Electrochemical Biosensing Strategies toward Universal Pointâ€of are Systems. Angewandte Chemie - International Edition, 2019, 58, 12355-12368.	7.2	155
5782	Tuning Thiolâ€Based Selfâ€Assembled Monolayer Chemistry on a Gold Surface towards the Synthesis of Biochemical Fuel. Angewandte Chemie, 2019, 131, 1122-1126.	1.6	4
5783	Hybrid Plasmonic-Superparamagnetic Nanoparticle Clusters: Facile Synthesis and Characterization. IEEE Transactions on Magnetics, 2019, 55, 1-4.	1.2	3
5784	Impedance Biosensing atop MoS 2 Thin Films with Moâ^'S Bond Formation to Antibody Fragments Created by Disulphide Bond Reduction. Electroanalysis, 2019, 31, 957-965.	1.5	12
5785	Large Kondo effect in assemblies of Au nanoparticles linked with alkanedithiol electron bridges. Nanoscale, 2019, 11, 5395-5401.	2.8	5
5786	Engineering of Antimicrobial Surfaces by Using Temporin Analogs to Tune the Biocidal/antiadhesive Effect. Molecules, 2019, 24, 814.	1.7	13
5787	Using Peptide Arrays To Discover the Sequence-Specific Acetylation of the Histidine-Tyrosine Dyad. Biochemistry, 2019, 58, 1810-1817.	1.2	7
5788	Non-chemisorbed gold–sulfur binding prevails in self-assembled monolayers. Nature Chemistry, 2019, 11, 351-358.	6.6	202
5789	Tunneling and thermoelectric characteristics of N-heterocyclic carbene-based large-area molecular junctions. Chemical Communications, 2019, 55, 8780-8783.	2.2	44
5790	Measurement of entropic force from polymers attached to a pyramidal tip. Journal of Physics Condensed Matter, 2019, 31, 075102.	0.7	1
5791	Nanostructured metals for light-based technologies. Nanotechnology, 2019, 30, 212001.	1.3	18
5792	Conjugation of a peptide autoantigen to gold nanoparticles for intradermally administered antigen specific immunotherapy. International Journal of Pharmaceutics, 2019, 562, 303-312.	2.6	44
5793	Engineering the Nanoparticle–Electrode Interface. Chemistry of Materials, 2019, 31, 2685-2701.	3.2	5
5794	Quantifying the Bonding Strength of Goldâ€Chalcogen Bonds in Block Copolymer Systems. Chemistry - an Asian Journal, 2019, 14, 1481-1486.	1.7	22
5795	Piezoresistive microcantilevers for humidity sensing. Journal of Micromechanics and Microengineering, 2019, 29, 053003.	1.5	60
5796	Highly sensitive plasmonic metal nanoparticle-based sensors for the detection of organophosphorus pesticides. Talanta, 2019, 200, 218-227.	2.9	54
5797	Plasmon Heating Promotes Ligand Reorganization on Single Gold Nanorods. Journal of Physical Chemistry Letters, 2019, 10, 1394-1401.	2.1	18

#	Article	IF	CITATIONS
5798	Process Development for Wetâ€Chemical Surface Functionalization of Gallium Arsenide Based Nanowires. Physica Status Solidi (B): Basic Research, 2019, 256, 1800678.	0.7	2
5799	Formation and Structure of Highly Ordered Self-Assembled Monolayers by Adsorption of Acetyl-Protected Conjugated Thiols on Au(111) in Tetrabutylammonium Cyanide Solution. Journal of Physical Chemistry C, 2019, 123, 9096-9104.	1.5	16
5800	Triptycene Tripods for the Formation of Highly Uniform and Densely Packed Self-Assembled Monolayers with Controlled Molecular Orientation. Journal of the American Chemical Society, 2019, 141, 5995-6005.	6.6	48
5801	Simply Structured Conjugated Compounds with Cyanoacrylate or Acrylonitrile Groups for Sensing of <i>p</i> -Toluenethiol. Analytical Sciences, 2019, 35, 745-750.	0.8	1
5802	Amino Acid Immobilization of Copper Surface Diffusion on Cu(111). Advanced Materials Interfaces, 2019, 6, 1900021.	1.9	7
5803	Investigating Electrochemical Stability and Reliability of Gold Electrodeâ€electrolyte Systems to Develop Bioelectronic Nose Using Insect Olfactory Receptor. Electroanalysis, 2019, 31, 726-738.	1.5	13
5804	Synthesis of Mono- and Disaccharide 4-[(ω-Sulfanylalkyl)oxy]benzoylhydrazones as Potential Glycoligands for Noble Metal Nanoparticles. Russian Journal of General Chemistry, 2019, 89, 292-299.	0.3	3
5805	Synthesis of Gold Glyconanoparticles Based on Thiol-Containing d-Hexose Acylhydrazones and Their Modification by Thiolated Poly(2-deoxy-2-methacryloylamino-D-glucose). Russian Journal of General Chemistry, 2019, 89, 300-308.	0.3	7
5806	The supramolecular structure and van der Waals interactions affect the electronic structure of ferrocenyl-alkanethiolate SAMs on gold and silver electrodes. Nanoscale Advances, 2019, 1, 1991-2002.	2.2	10
5807	Gold nano-flowers (Au NFs) modified screen-printed carbon electrode electrochemical biosensor for label-free and quantitative detection of glycated hemoglobin. Talanta, 2019, 201, 119-125.	2.9	42
5808	Precise control of nanoscale spacing between electrodes using different natured self-assembled monolayers. Nanotechnology, 2019, 30, 265302.	1.3	0
5809	Inorganic composites in biomedical engineering. , 2019, , 47-80.		2
5810	Nanoparticlesâ \in ^{IM} toxicity for humans and environment. , 2019, , 515-535.		3
5811	Direct Measurement of Water Permeation in Submerged Alkyl Thiol Self-Assembled Monolayers on Gold Surfaces Revealed by Neutron Reflectometry. Langmuir, 2019, 35, 5647-5662.	1.6	16
5812	<i>N</i> -Heterocyclic Carbenes in Materials Chemistry. Chemical Reviews, 2019, 119, 4986-5056.	23.0	427
5813	Electron Transfer Control of Reductase versus Monooxygenase: Catalytic C–H Bond Hydroxylation and Alkene Epoxidation by Molecular Oxygen. ACS Central Science, 2019, 5, 671-682.	5.3	47
5814	2D nanoporous materials: membrane platform for gas and liquid separations. 2D Materials, 2019, 6, 042002.	2.0	37
5815	Voltammetric study of conductive planar assemblies of <i>Geobacter</i> nanowire pilins unmasks their ability to bind and mineralize divalent cobalt. Journal of Industrial Microbiology and Biotechnology, 2019, 46, 1239-1249.	1.4	11

#	Article	IF	Citations
5816	Chalcone-analogue fluorescent probes for detecting thiophenols in seawater samples. Talanta, 2019, 201, 301-308.	2.9	19
5817	Light-Triggered Boost of Activity of Catalytic Bola-Type Surfactants by a Plasmonic Metal–Support Interaction Effect. ACS Applied Materials & Interfaces, 2019, 11, 15936-15944.	4.0	16
5818	Mimicking the endothelial glycocalyx through the supramolecular presentation of hyaluronan on patterned surfaces. Faraday Discussions, 2019, 219, 168-182.	1.6	13
5819	Systematic XP and NEXAFS spectroscopy studies of (ter-)pyridine-terminated self-assembled monolayers and their addressability for functional molecules. Journal of Electron Spectroscopy and Related Phenomena, 2019, 233, 28-37.	0.8	3
5820	Lipid Membrane Models for Biomembrane Properties' Investigation. , 2019, , 311-340.		4
5821	Control of Potential Response to Small Biomolecules with Electrochemically Grafted Aryl-Based Monolayer in Field-Effect Transistor-Based Sensors. Langmuir, 2019, 35, 3701-3709.	1.6	18
5822	From Atoms to Lives: The Evolution of Nanoparticle Assemblies. Advanced Functional Materials, 2019, 29, 1807658.	7.8	44
5823	Chemical Locking in Molecular Tunneling Junctions Enables Nonvolatile Memory with Large On–Off Ratios. Advanced Materials, 2019, 31, 1807831.	11.1	56
5824	A dual-response near-infrared fluorescent probe for rapid detecting thiophenol and its application in water samples and bio-imaging. Talanta, 2019, 199, 355-360.	2.9	28
5825	Self-Assembled Molecular-Electronic Films Controlled by Room Temperature Quantum Interference. CheM, 2019, 5, 474-484.	5.8	45
5826	First-Principles Study of the Adsorption Behavior of Triptycene Molecular Tripods on Au(111): Site Selectivity and Unambiguous Molecular Orientation. Journal of Physical Chemistry C, 2019, 123, 4401-4406.	1.5	12
5827	<i>In My Element</i> : Gold. Chemistry - A European Journal, 2019, 25, 5335-5336.	1.7	2
5828	CO2-wettability of sandstones exposed to traces of organic acids: Implications for CO2 geo-storage. International Journal of Greenhouse Gas Control, 2019, 83, 61-68.	2.3	88
5829	Single-electron charging effects observed in arrays of gold nanoparticles formed by dielectrophoresis between SAM-coated electrodes. AIP Conference Proceedings, 2019, , .	0.3	3
5830	LiCoO2/Li7La3Zr2O12 nanocomposite cathodes synthesized via self-assembled block copolymer templates and used in all-solid-state lithium batteries. Solid State Ionics, 2019, 334, 43-47.	1.3	4
5831	Magnetic Nanoparticle Functionalization. , 2019, , 68-90.		0
5832	Surface Chemistry-Mediated Near-Infrared Emission of Small Coinage Metal Nanoparticles. Accounts of Chemical Research, 2019, 52, 695-703.	7.6	63
5833	Chelating Surfaces for Oriented Human Serum Albumin Molecules. Langmuir, 2019, 35, 3354-3362.	1.6	3

#	Article	IF	CITATIONS
5834	Opto-Electroactive Amino- and Pyridyl-Terminated Monolayers of Rull–Terpyridyl Complexes and Their Usage as Hg2+ Sensors. Journal of Physical Chemistry C, 2019, 123, 6121-6129.	1.5	11
5835	pHâ€Regulated Heterostructure Porous Particles Enable Similarly Sized Protein Separation. Advanced Materials, 2019, 31, e1900391.	11.1	38
5836	Gold nanoparticles in combinatorial cancer therapy strategies. Coordination Chemistry Reviews, 2019, 387, 299-324.	9.5	147
5837	Tuning of the gold work function by carborane films studied using density functional theory. Physical Chemistry Chemical Physics, 2019, 21, 6178-6185.	1.3	3
5838	Crystal engineering with DNA. Nature Reviews Materials, 2019, 4, 201-224.	23.3	178
5839	SAM Composition and Electrode Roughness Affect Performance of a DNA Biosensor for Antibiotic Resistance. Biosensors, 2019, 9, 22.	2.3	58
5840	Active Plasmonic Colloid-to-Film-Coupled Cavities for Tailored Light–Matter Interactions. Journal of Physical Chemistry C, 2019, 123, 6745-6752.	1.5	8
5841	Deep eutectic solvent-based emulsification liquid–liquid microextraction coupled with gas chromatography for the determination of thiophenols in water samples. Analytical Methods, 2019, 11, 1663-1670.	1.3	12
5842	Protein-resistant properties of poly(N-vinylpyrrolidone)-modified gold surfaces: The advantage of bottle-brushes over linear brushes. Colloids and Surfaces B: Biointerfaces, 2019, 177, 448-453.	2.5	25
5843	Noble Metal-Based Plasmonic Nanoparticles for SERS Imaging and Photothermal Therapy. , 2019, , 83-109.		8
5844	Inâ€Flow MOF Lithography. Advanced Materials Technologies, 2019, 4, 1800666.	3.0	10
5845	Solution NMR Analysis of Ligand Environment in Quaternary Ammonium-Terminated Self-Assembled Monolayers on Gold Nanoparticles: The Effect of Surface Curvature and Ligand Structure. Journal of the American Chemical Society, 2019, 141, 4316-4327.	6.6	66
5846	TEMPORARY REMOVAL: Recent advances in phytonanotechnology. Comprehensive Analytical Chemistry, 2019, , .	0.7	0
5847	Design of microfluidic experimental setup for the detection of heavy metal ions using piezoresistive BioMEMS sensor. Microelectronics International, 2019, 37, 10-28.	0.4	12
5848	Realizing high aspect ratio silver micro and nanostructures by microcontact printing of alkyl thiol self-assembled monolayers. MRS Advances, 2019, 4, 2441-2451.	0.5	1
5849	In-Silico Prediction on the MSAMS-Assisted Immobilization of Bovine Serum Albumin on 10MHz Piezoelectric Immunosensors. Journal of Molecular and Engineering Materials, 2019, 07, 1950001.	0.9	2
5850	Advanced surface modification technologies for biosensors. , 2019, , 65-86.		11
5851	Lectin biosensors in cancer glycan biomarker detection. Advances in Clinical Chemistry, 2019, 93, 1-61.	1.8	27

#	Article	IF	Citations
5852	Electrochemical modification of platinum and glassy carbon surfaces with pyridine layers and their use as complexing agents for copper (II) ions. Open Chemistry, 2019, 17, 722-727.	1.0	3
5853	Silver Chlorobromide Nanocubes: A Class of Reactive Templates for Synthesizing Nanoplates and Nanocages of Silver Thiolates. MRS Advances, 2019, 4, 2087-2094.	0.5	4
5854	Surface Grafted MSI-78A Antimicrobial Peptide has High Potential for Gastric Infection Management. Scientific Reports, 2019, 9, 18212.	1.6	21
5856	Aptameric sensors utilizing its property as DNA. , 2019, , 117-131.		0
5857	Modification of Self-Assembled Monolayers by Electron Irradiation: The Effect of Primary Energy (10–500 eV). Journal of Physical Chemistry C, 2019, 123, 28301-28309.	1.5	13
5858	Thiophenol detection using an AIE fluorescent probe through self-assembly with TPE-based glycoclusters. Organic and Biomolecular Chemistry, 2019, 17, 9251-9256.	1.5	16
5859	Effect of Divalent Cations on the Interaction of Carboxylate Self-Assembled Monolayers. Langmuir, 2019, 35, 16153-16163.	1.6	6
5860	Quantification of dsDNA functionalization efficiency in THz biosensors. , 2019, , .		3
5861	Synthesis of Aldose 11â€Mercaptoundecanoyl Hydrazones as Promising Glycoligands of Noble Metal Nanoparticles. ChemistrySelect, 2019, 4, 12938-12941.	0.7	4
5862	Transformation of Atomically Precise Nanoclusters by Ligand-Exchange. Chemistry of Materials, 2019, 31, 9939-9969.	3.2	130
5863	Spectral Control of Thermal Boundary Conductance between Copper and Carbon Crystals by Self-Assembled Monolayers. ACS Applied Electronic Materials, 2019, 1, 2594-2601.	2.0	25
5864	Effect of Immersion Time on the Structure of Octanethiol Selfâ€Assembled Monolayers on Au(111) at an Elevated Solution Temperature. Bulletin of the Korean Chemical Society, 2019, 40, 1152-1153.	1.0	8
5865	Power Factor of One Molecule Thick Films and Length Dependence. ACS Central Science, 2019, 5, 1975-1982.	5.3	47
5866	Adsorption and desorption of self-assembled L-cysteine monolayers on nanoporous gold monitored by in situ resistometry. Beilstein Journal of Nanotechnology, 2019, 10, 2275-2279.	1.5	2
5867	Mobility of charge carriers in self-assembled monolayers. Beilstein Journal of Nanotechnology, 2019, 10, 2449-2458.	1.5	3
5868	A dithiocarbamate anchoring group as a flexible platform for interface engineering. Physical Chemistry Chemical Physics, 2019, 21, 22511-22525.	1.3	14
5869	Surface coatings for solid-state nanopores. Nanoscale, 2019, 11, 19636-19657.	2.8	75
5870	Counterion coupled (COCO) gemini surfactant capped Ag/Au alloy and core–shell nanoparticles for cancer therapy. RSC Advances, 2019, 9, 37830-37845.	1.7	19

#	Article	IF	CITATIONS
5871	Understanding segregation processes in SAMs formed by mixtures of hydroxylated and non-hydroxylated fatty acids. RSC Advances, 2019, 9, 39252-39263.	1.7	5
5872	Biosensors based on nanowire field effect transistors with Schottky contacts. Journal of Physics: Conference Series, 2019, 1410, 012013.	0.3	1
5873	Electrochemical Impedance Spectroscopy Based Biosensors: Mechanistic Principles, Analytical Examples and Challenges towards Commercialization for Assays of Protein Cancer Biomarkers. ChemElectroChem, 2019, 6, 989-1003.	1.7	114
5874	Organic acid concentration thresholds for ageing of carbonate minerals: Implications for CO2 trapping/storage. Journal of Colloid and Interface Science, 2019, 534, 88-94.	5.0	91
5875	Self-assembling antimicrobial peptides on nanotubular titanium surfaces coated with calcium phosphate for local therapy. Materials Science and Engineering C, 2019, 94, 333-343.	3.8	40
5876	Characterization of binary self-assembled monolayers formed from the sequential deposition of 2-naphthalenethiol and octanethiol. Surface Science, 2019, 679, 117-127.	0.8	8
5877	Three-Dimensional CeO ₂ Woodpile Nanostructures To Enhance Performance of Enzymatic Glucose Biosensors. ACS Applied Materials & Interfaces, 2019, 11, 1821-1828.	4.0	24
5878	Imaging Technologies for Biomedical Micro―and Nanoswimmers. Advanced Materials Technologies, 2019, 4, 1800575.	3.0	83
5879	Proteins and peptides voltammetry: Trends, potential, and limitations. Current Opinion in Electrochemistry, 2019, 14, 44-52.	2.5	4
5880	Enhanced Signal Amplification in a Toll-like Receptor-4 Biosensor Utilizing Ferrocene-Terminated Mixed Monolayers. ACS Sensors, 2019, 4, 143-151.	4.0	21
5881	Substituted effect of Al3+ on structural, optical, magnetic and photocatalytic activity of Ni ferrites. Journal of Magnetism and Magnetic Materials, 2019, 476, 124-133.	1.0	41
5882	Physicochemical characterization of albumin immobilized on different TiO2 surfaces for use in implant materials. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 564, 39-50.	2.3	24
5883	Column Characterization and Selection Systems in Reversed-Phase High-Performance Liquid Chromatography. Chemical Reviews, 2019, 119, 3674-3729.	23.0	191
5884	Nanoparticle Assembling through Click Chemistry Directed by Mixed SAMs for Magnetic Applications. ACS Applied Nano Materials, 2019, 2, 554-565.	2.4	3
5885	Direct Patterning of Piezoelectric Thin Films by Inkjet Printing. Advanced Materials Technologies, 2019, 4, 1800168.	3.0	23
5886	Edge enriched self-assembly of Au nanoparticles: Coffee-ring effect during microcontact printing via agarose stamps. Applied Surface Science, 2019, 469, 90-97.	3.1	11
5887	Nanoparticle based simple electrochemical biosensor platform for profiling of protein-nucleic acid interactions. Talanta, 2019, 195, 46-54.	2.9	18
5888	A simple strategy to improve the sensitivity of probe molecules on SERS substrates. Talanta, 2019, 195, 221-228.	2.9	13

#	Article	IF	CITATIONS
5889	lridium (III) complex-based fluorescent probe for detection of thiophenols and its application in water samples. Dyes and Pigments, 2019, 163, 138-144.	2.0	19
5890	Tripod-shaped molecules: Synthesis and immobilization on Au(1 1 1) substrates. Applied Surface Science, 2019, 470, 259-268.	3.1	9
5891	Biomolecular charges influence the response of surface plasmon resonance biosensors through electronic and ionic mechanisms. Biosensors and Bioelectronics, 2019, 126, 365-372.	5.3	13
5892	Highly sensitive and reliable octyltrichlorosilane coated silicon sensors for nitrogen gas flow detection. Sensors and Actuators A: Physical, 2019, 285, 190-199.	2.0	2
5893	Studies on the effect of the J-domain on the substrate binding domain (SBD) of Hsp70 using a chimeric human J-SBD polypeptide. International Journal of Biological Macromolecules, 2019, 124, 111-120.	3.6	3
5894	A highly sensitive and selective "off-on―porphyrin-based fluorescent sensor for detection of thiophenol. Journal of Molecular Structure, 2019, 1179, 593-596.	1.8	11
5895	Rapid and mild fabrication of protein membrane coated capillary based on supramolecular assemble for chiral separation in capillary electrochromatography. Talanta, 2019, 195, 190-196.	2.9	18
5896	Molecular Order Affects Interfacial Water Structure and Temperature-Dependent Hydrophobic Interactions between Nonpolar Self-Assembled Monolayers. Langmuir, 2019, 35, 2078-2088.	1.6	38
5897	Analytical performance evaluation of the HPV OncoCheck assay for detection of high-risk HPV infection in liquid-based cervical samples. Experimental and Molecular Pathology, 2019, 106, 149-156.	0.9	3
5898	Engineering Thiolated Surfaces with Polyelectrolyte Multilayers. ACS Applied Materials & Interfaces, 2019, 11, 3524-3535.	4.0	13
5899	Interpretation of linear dichroism at S L2,3 x-ray absorption edges of small organic molecules at surfaces. Journal of Electron Spectroscopy and Related Phenomena, 2019, 232, 16-20.	0.8	1
5900	Effect of solvents on the self-assembly of long chain alkylphosphonic acids on indium tin oxide surface - In situ studies on the adsorption kinetics and electron transfer process. Journal of Electroanalytical Chemistry, 2019, 835, 338-345.	1.9	4
5901	Precise Control of Interfacial Charge Transport for Building Functional Optoelectronic Devices. Advanced Materials Technologies, 2019, 4, 1800358.	3.0	1
5902	Functionalization of AuMSS nanorods towards more effective cancer therapies. Nano Research, 2019, 12, 719-732.	5.8	17
5903	Self-assembled liquid bridge confined boiling on nanoengineered surfaces. International Journal of Heat and Mass Transfer, 2019, 133, 1154-1164.	2.5	17
5904	Ultrasensitive and recyclable superstructure of Au SiO2@Ag wire for surface-enhanced Raman scattering detection of thiocyanate in urine and human serum. Analytica Chimica Acta, 2019, 1049, 179-187.	2.6	12
5905	Nanospheres and nanoflowers of copper bismuth sulphide (Cu3BiS3): Colloidal synthesis, structural, optical and electrical characterization. Journal of Alloys and Compounds, 2019, 776, 142-148.	2.8	23
5906	Stabilization of Silver and Gold Nanoparticles: Preservation and Improvement of Plasmonic Functionalities. Chemical Reviews, 2019, 119, 664-699.	23.0	380

#	Article	IF	CITATIONS
5907	Electrolyte-gated organic field-effect transistors (EGOFETs) as complementary tools to electrochemistry for the study of surface processes. Electrochemistry Communications, 2019, 98, 43-46.	2.3	16
5908	Effect of the Molecular Polarizability of SAMs on the Work Function Modification of Gold: Closed― versus Openâ€Shell Donor–Acceptor SAMs. Advanced Materials Technologies, 2019, 4, 1800152.	3.0	13
5909	3-Mercaptopropionic acid functionalization of titanium dioxide thin films. Materials Chemistry and Physics, 2019, 223, 32-38.	2.0	9
5910	Polymer Nanocomposites for Emulsionâ€Based Coatings and Adhesives. Macromolecular Reaction Engineering, 2019, 13, 1800050.	0.9	28
5911	Tip-enhanced Raman spectroscopy: principles, practice, and applications to nanospectroscopic imaging of 2D materials. Analytical and Bioanalytical Chemistry, 2019, 411, 37-61.	1.9	104
5912	Significant enhancement of direct electric communication across enzyme-electrode interface via nano-patterning of synthetic glucose dehydrogenase on spatially tunable gold nanoparticle (AuNP)-modified electrode. Biosensors and Bioelectronics, 2019, 126, 170-177.	5.3	14
5913	Organic Transistor- Device Structure, Model and Applications. , 2019, , 115-129.		2
5914	Mechanical Deformation Distinguishes Tunneling Pathways in Molecular Junctions. Journal of the American Chemical Society, 2019, 141, 497-504.	6.6	21
5915	Polyethylene glycol-decorated doxorubicin/carboxymethyl chitosan/gold nanocomplex for reducing drug efflux in cancer cells and extending circulation in blood stream. International Journal of Biological Macromolecules, 2019, 125, 61-71.	3.6	31
5916	Highly sensitive fluorescent probe based on a novel phenothiazine dye for detection of thiophenols in real water samples and living cells. Analytical and Bioanalytical Chemistry, 2019, 411, 935-942.	1.9	24
5917	Carbon Dioxide/Brine, Nitrogen/Brine, and Oil/Brine Wettability of Montmorillonite, Illite, and Kaolinite at Elevated Pressure and Temperature. Energy & Fuels, 2019, 33, 441-448.	2.5	61
5918	Surface Attachment Enhances the Thermodynamic Stability of Proteinâ€L. Angewandte Chemie - International Edition, 2019, 58, 1714-1718.	7.2	8
5919	Electrogenerated Chemiluminescent Chemodosimeter Based on a Cyclometalated Iridium(III) Complex for Sensitive Detection of Thiophenol. Analytical Chemistry, 2019, 91, 1353-1359.	3.2	36
5920	Surface anchors target golden bullets. Nature Chemistry, 2019, 11, 20-22.	6.6	4
5921	Localized Physical Vapor Deposition via Focused Laser Spike Dewetting of Gold Thin Films for Nanoscale Patterning. ACS Applied Nano Materials, 2019, 2, 586-597.	2.4	5
5922	Revisiting the factors influencing gold electrodes prepared using cyclic voltammetry. Sensors and Actuators B: Chemical, 2019, 283, 146-153.	4.0	32
5923	Regioselective surface encoding of nanoparticles for programmable self-assembly. Nature Materials, 2019, 18, 169-174.	13.3	153
5924	Advanced Nearâ€Infrared Lightâ€Responsive Nanomaterials as Therapeutic Platforms for Cancer Therapy. Advanced Therapeutics, 2019, 2, 1800090.	1.6	27

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#	Article	IF	CITATIONS
5925	Tuning Thiolâ€Based Selfâ€Assembled Monolayer Chemistry on a Gold Surface towards the Synthesis of Biochemical Fuel. Angewandte Chemie - International Edition, 2019, 58, 1110-1114.	7.2	16
5926	Threshold hydrophobicity for inhibition of salt scale formation on SAM-modified titania nanotube arrays. Applied Surface Science, 2019, 473, 282-290.	3.1	15
5927	Thermoresponsive Core-Shell Nanoparticles and Their Potential Applications. , 2019, , 145-170.		6
5928	Physicochemical bisphosphonate immobilization on titanium dioxide thin films surface by UV radiation for bio-application. Surface and Coatings Technology, 2019, 357, 36-47.	2.2	19
5929	Role of fluid density on quartz wettability. Journal of Petroleum Science and Engineering, 2019, 172, 511-516.	2.1	46
5930	Epitaxial growth and applications of oriented metal–organic framework thin films. Coordination Chemistry Reviews, 2019, 378, 513-532.	9.5	122
5931	Review of corrosive environments for copper and its corrosion inhibitors. Arabian Journal of Chemistry, 2020, 13, 481-544.	2.3	309
5932	Formation of oriented luminescent organic thin films on modified polymer substrate. Applied Nanoscience (Switzerland), 2020, 10, 2791-2796.	1.6	2
5933	Cancerâ€Targeting Nanoparticles for Combinatorial Nucleic Acid Delivery. Advanced Materials, 2020, 32, e1901081.	11.1	146
5934	Segmentation of scanning tunneling microscopy images using variational methods and empirical wavelets. Pattern Analysis and Applications, 2020, 23, 625-651.	3.1	9
5935	Cyclodextrin derivatives functionalized highly sensitive chiral sensor based on organic field-effect transistor. Chinese Chemical Letters, 2020, 31, 99-102.	4.8	20
5936	Immobilization of gold on short-channel mesoporous SBA-15 functionalized with thiol and hydrophobic groups for oxidation reactions. Catalysis Today, 2020, 354, 77-89.	2.2	11
5937	Quaternary ammonium salt-based cross-linked micelle templated synthesis of highly active silver nanocomposite for synergistic anti-biofilm application. Chemical Engineering Journal, 2020, 382, 122976.	6.6	28
5938	Effect of nanofluid on CO2-wettability reversal of sandstone formation; implications for CO2 geo-storage. Journal of Colloid and Interface Science, 2020, 559, 304-312.	5.0	108
5939	Thermal and Thermoelectric Properties of Molecular Junctions. Advanced Functional Materials, 2020, 30, 1904534.	7.8	72
5940	pH-Responsive mixed-thiol-modified surface of roughened GaN: A wettability and SERS study. Applied Surface Science, 2020, 502, 144108.	3.1	6
5941	Star-shaped plasmonic nanostructures: New, simply synthetized materials for Raman analysis of surfaces. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 225, 117469.	2.0	17
5942	A Short Review on Interface Engineering of Perovskite Solar Cells: A Selfâ€Assembled Monolayer and Its Roles. Solar Rrl, 2020, 4, 1900251.	3.1	75

#	Article	IF	CITATIONS
5943	Surface Plasmon-Driven Reversible Transformation of DNA-Bound Methylene Blue Detected In Situ by SERS. Plasmonics, 2020, 15, 427-434.	1.8	5
5944	An introduction to electrochemical methods for the functional analysis of metalloproteins. , 2020, , 325-373.		6
5945	Electrochemical detection of silver ions by using sulfur quantum dots modified gold electrode. Sensors and Actuators B: Chemical, 2020, 304, 127390.	4.0	88
5946	Catalytic activity of surfaceâ€functionalized nanoscale nickel zinc multiferrites: potential vector for water purification. Journal of Chemical Technology and Biotechnology, 2020, 95, 739-750.	1.6	3
5947	A novel approach for copper protection: UV light triggered preparation of the click-assembled film on copper surface. Chemical Engineering Journal, 2020, 385, 123406.	6.6	14
5948	Heterogeneity in adult anthropometry by socioeconomic factors: Indian National Family Health Survey 2006 and 2016. European Journal of Clinical Nutrition, 2020, 74, 953-960.	1.3	5
5949	Peroxidase Labeled Antibody Conjugated Gold Nanoparticles for Ultrasensitive Voltammetric Immunosensing. IEEE Sensors Journal, 2020, 20, 1142-1149.	2.4	2
5950	Organic Haptics: Intersection of Materials Chemistry and Tactile Perception. Advanced Functional Materials, 2020, 30, 1906850.	7.8	25
5951	Improving the Switching Capacity of Glycoâ€Selfâ€Assembled Monolayers on Au(111). Chemistry - A European Journal, 2020, 26, 485-501.	1.7	9
5952	Photoswitchable Macroscopic Solid Surfaces Based On Azobenzeneâ€Functionalized Polydopamine/Gold Nanoparticle Composite Materials: Formation, Isomerization and Ligand Exchange. ChemPlusChem, 2020, 85, 797-805.	1.3	8
5953	Hyaluronic acid and vitamin E polyethylene glycol succinate functionalized gold-core silica shell nanorods for cancer targeted photothermal therapy. Colloids and Surfaces B: Biointerfaces, 2020, 188, 110778.	2.5	47
5954	A ratiometric fluorescent probe for visualization of thiophenol and its applications. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 230, 118061.	2.0	10
5955	N-Heterocyclic carbene and thiol micropatterns enable the selective deposition and transfer of copper films. Chemical Communications, 2020, 56, 1275-1278.	2.2	20
5956	Anchoring and packing of self-assembled monolayers of <i>semithio</i> -bambusurils on Au(111). Molecular Systems Design and Engineering, 2020, 5, 511-520.	1.7	2
5957	Addressing the plasmonic hotspot region by site-specific functionalization of nanostructures. Nanoscale Advances, 2020, 2, 394-400.	2.2	15
5958	Boronate sol–gel method for one-step fabrication of polyvinyl alcohol hydrogel coatings by simple cast- and dip-coating techniques. RSC Advances, 2020, 10, 86-94.	1.7	10
5959	Investigation of Au SAMs Photoclick Derivatization by PM-IRRAS. Langmuir, 2020, 36, 1014-1022.	1.6	7
5960	Luminescent probe based on photochromic cyclometalated iridium(III) complex for high selectivity detection of thiophenol. Dyes and Pigments, 2020, 175, 108191.	2.0	11

#	Article	IF	CITATIONS
5961	Does gold behaves as hydrogen? A joint theoretical and experimental study. Nanoscale Advances, 2020, 2, 844-850.	2.2	3
5962	Synthesis of gold–silica core–shell nanoparticles by pulsed laser ablation in liquid and their physico-chemical properties towards photothermal cancer therapy. Nanoscale, 2020, 12, 3007-3018.	2.8	44
5963	A highly sensitive Ru(ii) complex-based phosphorescent probe for thiophenol detection with aggregation-induced emission characteristics. New Journal of Chemistry, 2020, 44, 1204-1210.	1.4	5
5964	Recent progress in the development of molecular-scale electronics based on photoswitchable molecules. Journal of Materials Chemistry C, 2020, 8, 821-848.	2.7	111
5965	A highly sensitive probe based on spiropyran for colorimetric and fluorescent detection of thiophenol in aqueous media. Dyes and Pigments, 2020, 175, 108154.	2.0	17
5966	Burying the Inverted Surface Dipole: Self-Assembled Monolayers Derived from Alkyl-Terminated Partially Fluorinated Alkanethiols. Chemistry of Materials, 2020, 32, 953-968.	3.2	8
5967	Isomeric Thiolate Monolayer Protected Au ₉₂ and Au ₁₀₂ Nanomolecules. Journal of Physical Chemistry C, 2020, 124, 1655-1666.	1.5	9
5968	Structural Transition and Interdigitation of Alkyl Side Chains in the Conjugated Polymer Poly(3-hexylthiophene) and Their Effects on the Device Performance of the Associated Organic Field-Effect Transistor. ACS Applied Materials & Interfaces, 2020, 12, 1142-1150.	4.0	17
5969	Electrooxidation, Size Stability, and Electrocatalytic Activity of 0.9â€nm Diameter Gold Nanoclusters Coated with a Weak Stabilizer. ChemElectroChem, 2020, 7, 800-809.	1.7	9
5970	Passive Anti-Flooding Superhydrophobic Surfaces. ACS Applied Materials & Interfaces, 2020, 12, 4068-4080.	4.0	37
5971	Quantifying the Extent of Hydration of a Surface-Bound Peptide Using Neutron Reflectometry. Langmuir, 2020, 36, 637-649.	1.6	8
5972	Interaction of aqueous Cu(II) with carboxylic acid and alcohol terminated self assembled monolayers: Surface and interfacial characterization. Surface Science, 2020, 692, 121529.	0.8	6
5973	Host–Guest Chemistry Meets Electrocatalysis: Cucurbit[6]uril on a Au Surface as a Hybrid System in CO ₂ Reduction. ACS Catalysis, 2020, 10, 751-761.	5.5	43
5974	Dissolved carbon monoxide concentration monitoring platform based on direct electrical connection of CO dehydrogenase with electrically accessible surface structure. Bioresource Technology, 2020, 297, 122436.	4.8	6
5975	"Vanishing mass―in the Sauerbrey world: quartz crystal microbalance study of self-assembled monolayers based on a tripod-branched structure with tuneable molecular flexibility. Analyst, The, 2020, 145, 656-666.	1.7	21
5976	Synthesis of MIL-53 thin films by vapour-assisted conversion. CrystEngComm, 2020, 22, 1009-1017.	1.3	8
5977	Electrodeposition of hydroxyapatite coating on Mg alloy modified with organic acid self-assembled monolayers. Journal of Chemical Research, 2020, 44, 212-220.	0.6	9
5978	Self-Assembled Monolayers with Distributed Dipole Moments Originating from Bipyrimidine Units. Journal of Physical Chemistry C, 2020, 124, 504-519.	1.5	15

#	Article	IF	CITATIONS
5979	Tetrapodal Diazatriptycene Enforces Orthogonal Orientation in Self-Assembled Monolayers. ACS Applied Materials & Interfaces, 2020, 12, 6565-6572.	4.0	10
5980	Surface modification of TiO2 layer with phosphonic acid monolayer in perovskite solar cells: Effect of chain length and terminal functional group. Organic Electronics, 2020, 78, 105583.	1.4	26
5981	Following in Situ the Deposition of Gold Electrodes on Low Band Gap Polymer Films. ACS Applied Materials & Interfaces, 2020, 12, 1132-1141.	4.0	10
5982	Organothiol Monolayer Formation Directly on Muscovite Mica. Angewandte Chemie, 2020, 132, 2343-2347.	1.6	1
5983	Probing Structure and Reaction Dynamics of Proteins Using Time-Resolved Resonance Raman Spectroscopy. Chemical Reviews, 2020, 120, 3577-3630.	23.0	54
5984	Amyloid aggregation at solid-liquid interfaces: Perspectives of studies using model surfaces. Applied Surface Science, 2020, 506, 144991.	3.1	21
5985	Chemical Lift-Off Lithography of Metal and Semiconductor Surfaces. , 2020, 2, 76-83.		14
5986	Binding Energyâ€dependent Growth Behaviors and Surface Characteristics of Sequentially Polymerized Zincone Films. Bulletin of the Korean Chemical Society, 2020, 41, 54-59.	1.0	2
5987	Expanding the Toolbox of Metal–Phenolic Networks via Enzymeâ€Mediated Assembly. Angewandte Chemie, 2020, 132, 1728-1734.	1.6	11
5988	Expanding the Toolbox of Metal–Phenolic Networks via Enzymeâ€Mediated Assembly. Angewandte Chemie - International Edition, 2020, 59, 1711-1717.	7.2	40
5989	The oxidation-reduction and electrocatalytic properties of CO dehydrogenase from Oligotropha carboxidovorans. Biochimica Et Biophysica Acta - Bioenergetics, 2020, 1861, 148118.	0.5	9
5990	An Organometallic Strategy for Assembling Atomically Precise Hybrid Nanomaterials. Journal of the American Chemical Society, 2020, 142, 327-334.	6.6	55
5991	Organothiol Monolayer Formation Directly on Muscovite Mica. Angewandte Chemie - International Edition, 2020, 59, 2323-2327.	7.2	4
5992	Advanced Nanomaterials for Nuclear Energy and Nanotechnology. Energy Technology, 2020, 8, 1901070.	1.8	16
5993	Homogeneous functional self-assembled monolayers: Faradaic impedance baseline signal drift suppression for high-sensitivity immunosensing of C-reactive protein. Journal of Electroanalytical Chemistry, 2020, 856, 113675.	1.9	10
5994	In Pursuit of Zero 2.0: Recent Developments in Nonfouling Polymer Brushes for Immunoassays. Advanced Materials, 2020, 32, e1903285.	11.1	45
5995	BIOSYNTHESIS AND CHARACTERIZATION OF SILVER NANOPARTICLES FROM MARINE MACROSCOPIC RED SEAWEED HALYMENIA PORPHYROIDES BOERGESEN (CRYPTON) AND ITS ANTIFUNGAL EFFICACY AGAINST DERMATOPHYTIC AND NON-DERMATOPHYTIC FUNGI. Asian Journal of Pharmaceutical and Clinical Research, 2020, 174-181.	0.3	2
5996	Deposition of Cell Culture Coatings Using a Cold Plasma Deposition Method. Applied Sciences (Switzerland), 2020, 10, 6670.	1.3	3

#	Article	IF	CITATIONS
5997	Strategies to improve the photothermal capacity of gold-based nanomedicines. Acta Biomaterialia, 2020, 116, 105-137.	4.1	59
5998	First-Principles Prediction of Surface Wetting. Langmuir, 2020, 36, 12451-12459.	1.6	15
5999	Analytical performance of functional nanostructured biointerfaces for sensing phenolic compounds. Colloids and Surfaces B: Biointerfaces, 2020, 196, 111344.	2.5	8
6000	Predominant Effect of Material Surface Hydrophobicity on Gypsum Scale Formation. Environmental Science & Technology, 2020, 54, 15395-15404.	4.6	41
6001	Surface structure of 1,4-benzenedithiol on Au(111). Surface Science, 2020, 702, 121717.	0.8	7
6002	Atom transfer between precision nanoclusters and polydispersed nanoparticles: a facile route for monodisperse alloy nanoparticles and their superstructures. Nanoscale, 2020, 12, 22116-22128.	2.8	15
6003	Gold-silver core-shell nanoparticle–based impedimetric immunosensor for detection of iron homeostasis biomarker hepcidin. Mikrochimica Acta, 2020, 187, 626.	2.5	10
6004	Combined <i>In Situ</i> Spectroscopies Reveal the Ligand Ordering-Modulated Photoluminescence of Upconverting Nanoparticles. Journal of Physical Chemistry C, 2020, 124, 23086-23093.	1.5	6
6005	A Comprehensive Study of the Bridge Site and Substrate Relaxation Asymmetry for Methanethiol Adsorption on Au(111) at Low Coverage. ACS Omega, 2020, 5, 20874-20881.	1.6	2
6006	New frontiers in atom probe tomography: a review of research enabled by cryo and/or vacuum transfer systems. Materials Today Advances, 2020, 7, 100090.	2.5	34
6007	Colloidal brass nanoparticles produced by pulsed laser ablation in deionized water and the effect of external electric field on particle size characteristics and ablation rate. Nano Structures Nano Objects, 2020, 24, 100580.	1.9	7
6008	Methods to Investigate Innate Immune Receptors and Their Carbohydrate-Based Ligands. ACS Symposium Series, 2020, , 127-147.	0.5	0
6009	Functional materials and devices by self-assembly. MRS Bulletin, 2020, 45, 799-806.	1.7	27
6010	Selfâ€Assembled Monolayers as Interface Engineering Nanomaterials in Perovskite Solar Cells. Advanced Energy Materials, 2020, 10, 2002606.	10.2	156
6011	Repeatable and Reprogrammable Shape Morphing from Photoresponsive Gold Nanorod/Liquid Crystal Elastomers. Advanced Materials, 2020, 32, e2004270.	11.1	109
6012	Mechanistic Understanding of Cetyltrimethylammonium Bromide-Assisted Durable CH ₃ NH ₃ PbI ₃ Film for Stable ZnO-Based Perovskite Solar Cells. ACS Applied Energy Materials, 2020, 3, 9856-9865.	2.5	8
6013	Challenges and Opportunities: Porous Supports in Carbonic Anhydrase Immobilization. Journal of CO2 Utilization, 2020, 42, 101305.	3.3	26
6014	Evaporation and Fragmentation of Organic Molecules in Strong Electric Fields Simulated with DFT. Journal of Physical Chemistry A, 2020, 124, 8633-8642.	1.1	7

#	Article	IF	CITATIONS
6015	In Situ Monitoring of Alkanethiol Selfâ€Assembly onto Zinc Selenide: The Role of Substrate Pretreatment and Its Implication in Bacterial Attachment. Advanced Materials Interfaces, 2020, 7, 2000848.	1.9	1
6016	Molecular <scp>Selfâ€Assembly</scp> of Phenylselenyl Chloride on a Au(111) Surface. Bulletin of the Korean Chemical Society, 2020, 41, 1048-1051.	1.0	4
6017	Basalt-CO2-brine wettability at storage conditions in basaltic formations. International Journal of Greenhouse Gas Control, 2020, 102, 103148.	2.3	23
6018	Final-State Simulations of Core-Level Binding Energies at Metal-Organic Hybrid Interfaces: Artifacts Caused by Spurious Collective Electrostatic Effects. ACS Omega, 2020, 5, 25868-25881.	1.6	6
6019	Mapping the capacitance of self-assembled monolayers at metal/electrolyte interfaces at the nanoscale by in-liquid scanning dielectric microscopy. Nanoscale, 2020, 12, 20658-20668.	2.8	10
6020	Design principles of dual-functional molecular switches in solid-state tunnel junctions. Applied Physics Letters, 2020, 117, .	1.5	20
6021	Bibliometric analysis on self-assembly research in nanoscale. Journal of Nanoparticle Research, 2020, 22, 1.	0.8	1
6022	Innovative Molecular Design Strategies in Materials Science Following the Aurophilicity Concept. Chemical Reviews, 2020, 120, 7551-7591.	23.0	98
6023	Electrostatic Field-Induced Oscillator Strength Focusing in Molecules. Journal of Physical Chemistry B, 2020, 124, 6376-6388.	1.2	5
6024	The Role of Ligand–Ligand Interactions in Multimodal Ligand Conformational Equilibria and Surface Pattern Formation. Langmuir, 2020, 36, 9054-9063.	1.6	4
6025	Preparation of Silver-Coated Silica Microspheres with High Electrical Conductivity Through Pyrogallol-Fe(Đ`) Coordinated Surface Functionalization. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 3369-3377.	1.9	3
6026	Nanoporous Thin Films Formed from Photocleavable Diblock Copolymers on Gold Substrates Modified with Thiolate Self-Assembled Monolayers. Langmuir, 2020, 36, 9259-9268.	1.6	9
6027	Structures of self-assembled <i>n</i> -alkanethiols on gold by reflection high-energy electron diffraction. Physical Chemistry Chemical Physics, 2020, 22, 17325-17335.	1.3	5
6028	Formation of a monolayer on a gold surface with high thermal stability using benzenedithiol. Japanese Journal of Applied Physics, 2020, 59, SDDA03.	0.8	5
6029	SELF-ASSEMBLY DI DNA SU SUPERFICIE: UNO STUDIO COMBINATO NANOLITOGRAFIA/SPETTROSCOPIA OTTICA. Istituto Lombardo - Accademia Di Scienze E Lettere - Rendiconti Di Scienze, 2020, , .	0.0	0
6030	Nanoscale Work Function Contrast Induced by Decanethiol Self-Assembled Monolayers on Au(111). Langmuir, 2020, 36, 12745-12754.	1.6	9
6031	Determination of Au Film Thiolation and Silane Bonding Onto SiO2 Films Within the Frame of Biosensor Surface Functionalization – an Analysis of Best Practices and Techniques. Croatica Chemica Acta, 2020, 93, .	0.1	1
6032	Formation and Surface Structures of Highly Ordered Self-Assembled Monolayers of Alkyl Selenocyanates on Au(111) via Ambient-Pressure Vapor Deposition. Journal of Physical Chemistry C, 2020–124–26730-26740	1.5	10

#	Article	IF	CITATIONS
6033	Metallic-Nanoparticle-Based Sensing: Utilization of Mixed-Ligand Monolayers. ACS Sensors, 2020, 5, 3806-3820.	4.0	19
6034	Interfacial Field-Driven Proton-Coupled Electron Transfer at Graphite-Conjugated Organic Acids. Journal of the American Chemical Society, 2020, 142, 20855-20864.	6.6	37
6035	Plasmon-driven protodeboronation reactions in nanogaps. Nanoscale, 2020, 12, 24062-24069.	2.8	12
6036	A glycoconjugate-based gold nanoparticle approach for the targeted treatment of <i>Pseudomonas aeruginosa</i> biofilms. Nanoscale, 2020, 12, 23234-23240.	2.8	21
6037	Femtosecond Charge Transfer Dynamics in Monomolecular Films in the Context of Molecular Electronics. Accounts of Chemical Research, 2020, 53, 2975-2984.	7.6	15
6038	Reversal of the Direction of Rectification Induced by Fermi Level Pinning at Molecule–Electrode Interfaces in Redox-Active Tunneling Junctions. ACS Applied Materials & Interfaces, 2020, 12, 55044-55055.	4.0	21
6039	Formation of Self-Assembled Anticorrosion Films on Different Metals. Materials, 2020, 13, 5089.	1.3	20
6040	Polymer Infused Porous Surfaces for Robust, Thermally Conductive, Self-Healing Coatings for Dropwise Condensation. ACS Nano, 2020, 14, 14878-14886.	7.3	46
6041	Latest developments in non-faradic impedimetric biosensors: Towards clinical applications. TrAC - Trends in Analytical Chemistry, 2020, 133, 116073.	5.8	23
6042	Immobilizing a π-Conjugated Catecholato Framework on Surfaces of SiO ₂ Insulator Films via a One-Atom Anchor of a Platinum Metal Center to Modulate Organic Transistor Performance. Inorganic Chemistry, 2020, 59, 17945-17957.	1.9	1
6043	Influencing the Electron Density of Nanosized Au Colloids via Immobilization on MgO to Stimulate Surface Reaction Activities. Langmuir, 2020, 36, 14203-14213.	1.6	1
6044	Covalent Linkages of Molecules and Proteins to Si–H Surfaces Formed by Disulfide Reduction. Langmuir, 2020, 36, 14999-15009.	1.6	22
6045	Antifouling Self-Assembled Monolayers for Designing of Electrochemical Biosensors. International Journal of Electrochemical Science, 2020, , 9446-9458.	0.5	5
6046	Failure and Recovery of Droplet Nucleation and Growth on Damaged Nanostructures: A Molecular Dynamics Study. Langmuir, 2020, 36, 13716-13724.	1.6	13
6047	The importance of the assembling of DNA strands on the performance of electrochemical genosensors. Microchemical Journal, 2020, 159, 105358.	2.3	7
6048	Glycan microarray: Toward drug discovery and development. , 2020, , 267-282.		3
6049	Effect of Multilayer versus Monolayer Dodecanethiol on Selectivity and Pattern Integrity in Area-Selective Atomic Layer Deposition. ACS Applied Materials & Interfaces, 2020, 12, 42226-42235.	4.0	24
6050	Correlating the Influence of Disulfides in Monolayers across Photoelectron Spectroscopy Wettability and Tunneling Charge-Transport. Journal of the American Chemical Society, 2020, 142, 15075-15083.	6.6	19

#	Article	IF	CITATIONS
6051	Strategies for the Formation of Monolayers From Diazonium Salts: Unconventional Grafting Media, Unconventional Building Blocks. Frontiers in Chemistry, 2020, 8, 559.	1.8	12
6052	A Tale of Tails: Thermodynamics of CdSe Nanocrystal Surface Ligand Exchange. Nano Letters, 2020, 20, 6396-6403.	4.5	39
6053	Highly sensitive detection of estradiol by a SERS sensor based on TiO ₂ covered with gold nanoparticles. Beilstein Journal of Nanotechnology, 2020, 11, 1026-1035.	1.5	19
6054	Exploration of the Interaction Strength at the Interface of Anionic Chalcogen Anchors and Gold (111)-Based Nanomaterials. Nanomaterials, 2020, 10, 1237.	1.9	1
6055	Nanocoatings of Bovine Serum Albumin on Glass: Effects of pH and Temperature. Journal of Nanomaterials, 2020, 2020, 1-11.	1.5	6
6056	Polyphenol oxidase-based electrochemical biosensors: A review. Analytica Chimica Acta, 2020, 1139, 198-221.	2.6	40
6057	Influence of Organic Acid Concentration on Wettability Alteration of Cap-Rock: Implications for CO ₂ Trapping/Storage. ACS Applied Materials & Interfaces, 2020, 12, 39850-39858.	4.0	88
6058	Highly selective piezoresistive sensor for mercury (Hg2+) ions detection using mercaptosuccinic acid-functionalized microcantilevers with cross-linked pyridinedicarboxylic acid. Sensor Review, 2020, 40, 543-558.	1.0	7
6059	Immobilization of Ethynylâ€ï€â€Extended Electron Acceptors with Aminoâ€Terminated SAMs by Catalystâ€Free Click Reaction. Chemistry - A European Journal, 2020, 26, 15931-15937.	1.7	7
6060	Improved Cyclohexanone Vapor Detection via Gravimetric Sensing. Journal of Microelectromechanical Systems, 2020, 29, 1253-1263.	1.7	1
6061	Multifaceted aspects of charge transfer. Physical Chemistry Chemical Physics, 2020, 22, 21583-21629.	1.3	26
6062	Recent Advances in Flexible Fieldâ€Effect Transistors toward Wearable Sensors. Advanced Intelligent Systems, 2020, 2, 2000113.	3.3	46
6063	Metal Nanoparticles Confronted with Foreign Ligands: Mere Ligand Exchange or Further Structural Transformation?. Small, 2021, 17, e2000609.	5.2	29
6064	Movements of Mobile Ions in Molecular Electronic Devices. ChemElectroChem, 2020, 7, 4186-4187.	1.7	3
6065	Electron Transfer Dynamics and Structural Effects in Benzonitrile Monolayers with Tuned Dipole Moments by Differently Positioned Fluorine Atoms. ACS Applied Materials & Interfaces, 2020, 12, 39859-39869.	4.0	10
6067	Optically Based Hand-Held Sensor for Visualization and Quantification of Cryptosporidium Parvum. Sensing and Imaging, 2020, 21, 1.	1.0	0
6068	Low temperature Cu joining by in situ reduction-sintering of CuO nanoparticle for high power electronics. Advanced Powder Technology, 2020, 31, 4135-4144.	2.0	15
6069	Revitalizing silver nanocrystals as a redox catalyst by modifying their surface with an isocyanide-based compound. Chemical Science, 2020, 11, 11214-11223.	3.7	7

#	Article	IF	CITATIONS
6070	Predicting Hydrophobicity by Learning Spatiotemporal Features of Interfacial Water Structure: Combining Molecular Dynamics Simulations with Convolutional Neural Networks. Journal of Physical Chemistry B, 2020, 124, 9103-9114.	1.2	21
6071	Functional graphene-based nanodevices: emerging diagnostic tool. , 2020, , 85-112.		8
6072	Three-dimensional biosensor surface based on novel thorns-like polyelectrolytes. Biosensors and Bioelectronics, 2020, 167, 112504.	5.3	4
6073	Photocatalytic Assessment of Selective Distribution of Product Arising from Methanol Oxidation on Platinum-deposited TiO2 Mesoporous Layer in a Fixed-film UV Reactor. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 403, 112868.	2.0	2
6074	Interaction of synthetic and lignin-based sulfonated polymers with hydrophilic, hydrophobic, and charged self-assembled monolayers. RSC Advances, 2020, 10, 36778-36793.	1.7	10
6075	Application of Force Spectroscopy to Evaluate Rock-Fluid Interactions at the Nanoscale. , 2020, , .		1
6076	Thiol-Substituted Poly(2-oxazoline)s with Photolabile Protecting Groups—Tandem Network Formation by Light. Polymers, 2020, 12, 1767.	2.0	8
6077	Supramolecular Multilayered Templates for Fabricating Nanometer-Precise Spacings: Implications for the Next-Generation of Devices Integrating Nanogap/Nanochannel Components. ACS Applied Nano Materials, 2020, 3, 10586-10590.	2.4	1
6078	Graphene transistors for real-time monitoring molecular self-assembly dynamics. Nature Communications, 2020, 11, 4731.	5.8	20
6079	The Potential of X-ray Photoelectron Spectroscopy for Determining Interface Dipoles of Self-Assembled Monolayers. Applied Sciences (Switzerland), 2020, 10, 5735.	1.3	3
6080	Superhydrophobic Coatings Based on Pseudoboehmite Nanoflakelets for Sustainable Photovoltaic Energy Production. ACS Applied Nano Materials, 2020, 3, 9899-9911.	2.4	9
6081	Interactions between Oligoethylene Glycol-Capped AuNPs and Attached Peptides Control Peptide Structure. Bioconjugate Chemistry, 2020, 31, 2383-2391.	1.8	5
6082	Tuning the magnetism of gold nanoparticles by changing the thiol coating. Nanoscale, 2020, 12, 19797-19803.	2.8	9
6083	Superwettable Surface Engineering in Controlling Cell Adhesion for Emerging Bioapplications. Small Methods, 2020, 4, 2000573.	4.6	40
6084	Complexity and Opportunities in Liquid Metal Surface Oxides. Chemistry of Materials, 2020, 32, 9045-9055.	3.2	36
6085	Continuous Tuning of Au–Cu 2 O Janus Nanostructures for Efficient Charge Separation. Angewandte Chemie, 2020, 132, 22430-22435.	1.6	16
6086	Mechanistic Framework for the Formation of Different Sulfur Species by Electron Irradiation of <i>n</i> -Dodecanethiol Self-Assembled Monolayers on Au(111) and Au(100). Journal of Physical Chemistry C, 2020, 124, 22591-22600.	1.5	5
6087	Metal Nanoapertures and Single Emitters. Advanced Optical Materials, 2020, 8, 2001110.	3.6	7

#	Article	IF	CITATIONS
6088	Rapid SERS Detection of Thiol-Containing Natural Products in Culturing Complex. International Journal of Analytical Chemistry, 2020, 2020, 1-10.	0.4	1
6089	Surface Dipoles Induce Uniform Orientation in Contacting Polar Liquids. Chemistry of Materials, 2020, 32, 7832-7841.	3.2	12
6090	Molecular Platform for Frequency Upconversion at the Single-Photon Level. Physical Review X, 2020, 10, .	2.8	24
6091	Epitaxial Electrodeposition of Cu(111) onto an l-Cysteine Self-Assembled Monolayer on Au(111) and Epitaxial Lift-Off of Single-Crystal-like Cu Foils for Flexible Electronics. Journal of Physical Chemistry C, 2020, 124, 21426-21434.	1.5	10
6092	Flame-made Particles for Sensors, Catalysis, and Energy Storage Applications. Energy & Fuels, 2020, 34, 13209-13224.	2.5	48
6093	Glycan-Gold Nanoparticles as Multifunctional Probes for Multivalent Lectin–Carbohydrate Binding: Implications for Blocking Virus Infection and Nanoparticle Assembly. Journal of the American Chemical Society, 2020, 142, 18022-18034.	6.6	49
6094	Nanofabrication Techniques in Large-Area Molecular Electronic Devices. Applied Sciences (Switzerland), 2020, 10, 6064.	1.3	21
6095	Selective detection of Acyclovir on poly(L–methionine) membrane coated reduced graphene oxide based graphite electrode optimized by central composite design. IEEE Sensors Journal, 2020, , 1-1.	2.4	2
6096	Factors Influencing the Surface Functionalization of Citrate Stabilized Gold Nanoparticles with Cysteamine, 3-Mercaptopropionic Acid or I-Selenocystine for Sensor Applications. Chemosensors, 2020, 8, 80.	1.8	34
6097	Label-Free Electrochemical Biosensors for the Determination of Flaviviruses: Dengue, Zika, and Japanese Encephalitis. Sensors, 2020, 20, 4600.	2.1	27
6098	The Effect of Physicochemical Properties of Perfluoroalkylsilanes Solutions on Microtribological Features of Created Self-Assembled Monolayers. Materials, 2020, 13, 3357.	1.3	3
6099	Continuous Tuning of Au–Cu ₂ O Janus Nanostructures for Efficient Charge Separation. Angewandte Chemie - International Edition, 2020, 59, 22246-22251.	7.2	69
6100	Modeling and simulation of photonâ€coupled, fluorescent photoswitchable protein logic. International Journal of Circuit Theory and Applications, 2020, 48, 2130-2140.	1.3	1
6101	Direct Electrochemical Enzyme Electron Transfer on Electrodes Modified by Self-Assembled Molecular Monolayers. Catalysts, 2020, 10, 1458.	1.6	28
6102	Pronounced Solvent Effect on the Composition of Binary Self-Assembled Monolayers with Embedded Dipole Moments. Journal of Physical Chemistry C, 2020, 124, 28596-28604.	1.5	4
6103	2D and 3D Bulk Materials for Environmental Remediation: Air Filtration and Oil/Water Separation. Materials, 2020, 13, 5714.	1.3	25
6104	Effects of the surface polarity of nanomaterials on their interaction with complement protein gC1q. RSC Advances, 2020, 10, 41993-42000.	1.7	2
6105	Electrostatic Design of Polar Metal–Organic Framework Thin Films. Nanomaterials, 2020, 10, 2420.	1.9	4

#	Article	IF	Citations
6106	Selective CO2 electrocatalysis at the pseudocapacitive nanoparticle/ordered-ligand interlayer. Nature Energy, 2020, 5, 1032-1042.	19.8	99
6107	Pulse Magnetic Fields Induced Drug Release from Gold Coated Magnetic Nanoparticle Decorated Liposomes. Magnetochemistry, 2020, 6, 52.	1.0	7
6108	Spin–orbit torques. Handbook of Magnetic Materials, 2020, 29, 1-55.	0.6	3
6109	Effect of Clay Minerals Heterogeneity on Wettability Measurements: Implications for CO2 Storage. , 2020, , .		5
6110	Interface Modification in Threeâ€Terminal Organic Memory and Synaptic Device. Advanced Electronic Materials, 2020, 6, 2000641.	2.6	17
6111	Creating Genetic Materials of Metal Clusters. , 2020, , 241-264.		1
6112	Influence of Total Organic Content on CO2–Water– Sandstone Wettability and CO2 Geo-Storage Capacity. , 2020, , .		1
6113	Metal Clusters and Their Reactivity. , 2020, , .		9
6114	In vivo characterization of the structures of films of a fatty acid and an alcohol adsorbed on the skin surface. Biophysical Chemistry, 2020, 266, 106459.	1.5	1
6115	A highly sensitive â€~turn-on' phosphorescence probe based on iridium(III) complex with polyether segment subunits for rapid detection of thiophenol. Journal of Organometallic Chemistry, 2020, 928, 121551.	0.8	2
6116	Potential- and Anion-Controlled Organization of 2-Mercapto-5-Benzimidazolesulfonate on the Au(111) Electrode in Acidic Media. Journal of Physical Chemistry C, 2020, 124, 25341-25350.	1.5	5
6117	A high-throughput plasmonic tongue using an aggregation assay and nonspecific interactions: classification of taste profiles in maple syrup. Analytical Methods, 2020, 12, 2460-2468.	1.3	8
6118	Hexene passivation on a p-type Zn-doped InGaAs surface. Materials Chemistry and Physics, 2020, 251, 123197.	2.0	2
6119	Atomic Force Microscopy (AFM) study of redox conditions in sandstones: Impact on wettability modification and mineral morphology. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 597, 124765.	2.3	9
6120	Formation of a mixed monolayer on a gold surface using fluorobenzenethiol and alkanethiol. Japanese Journal of Applied Physics, 2020, 59, SDDA09.	0.8	5
6121	Ferrocene on Insulator: Silane Coupling to a SiO ₂ Surface and Influence on Electrical Transport at a Buried Interface with an Organic Semiconductor Layer. Langmuir, 2020, 36, 5809-5819.	1.6	9
6122	Quasi-3D Plasmonic Nanowell Array for Molecular Enrichment and SERS-Based Detection. Nanomaterials, 2020, 10, 939.	1.9	3
6123	Controlled Silanization: High Molecular Regularity of Functional Thiol Groups on Siloxane Coatings. Langmuir, 2020, 36, 5935-5943.	1.6	26

#	Article	IF	CITATIONS
6124	Synthesis and application of new S-benzoheterocycle thiobenzoates photoinitiators. Research on Chemical Intermediates, 2020, 46, 3717-3726.	1.3	2
6125	Development of a Label-Free LSPR-Apta Sensor for <i>Staphylococcus aureus</i> Detection. ACS Applied Bio Materials, 2020, 3, 3066-3077.	2.3	42
6126	Discrete Supracrystalline Heterostructures from Integrative Assembly of Nanocrystals and Porous Organic Cages. ACS Nano, 2020, 14, 5517-5528.	7.3	14
6127	A quantum chemical study of substituent effects on CN bonds in aryl isocyanide molecules adsorbed on the Pt surface. Physical Chemistry Chemical Physics, 2020, 22, 12200-12208.	1.3	4
6128	Surface analysis tools for characterizing biological materials. Chemical Society Reviews, 2020, 49, 3278-3296.	18.7	9
6129	Recent advances in combinatorial cancer therapy via multifunctionalized gold nanoparticles. Nanomedicine, 2020, 15, 1221-1237.	1.7	30
6130	Simple NIR-Emitting ESIPT Fluorescent Probe for Thiophenol with a Remarkable Stokes Shift and Its Application. ACS Omega, 2020, 5, 10808-10814.	1.6	12
6131	Pt–S Bondâ€Mediated Nanoflares for Highâ€Fidelity Intracellular Applications by Avoiding Thiol Cleavage. Angewandte Chemie - International Edition, 2020, 59, 14044-14048.	7.2	79
6132	Small Thiols Stabilize the Shape of Gold Nanorods. Journal of Physical Chemistry C, 2020, 124, 11132-11140.	1.5	16
6133	Nanomaterials for cosmeceuticals: nanomaterials-induced advancement in cosmetics, challenges, and opportunities. , 2020, , 79-108.		17
6134	Influence of an alkyl spacer on the formation and structure of 4-Fluorobenzenethiol and 4-Fluorobenzenemethanethiol self-assembled monolayers on Au(111). Surfaces and Interfaces, 2020, 20, 100544.	1.5	6
6135	Pt–S Bondâ€Mediated Nanoflares for Highâ€Fidelity Intracellular Applications by Avoiding Thiol Cleavage. Angewandte Chemie, 2020, 132, 14148-14152.	1.6	12
6136	Protein Assays on Organic Electronics: Rational Device and Material Designs for Organic Transistorâ€Based Sensors. ChemistryOpen, 2020, 9, 573-581.	0.9	5
6137	Gold Nanoparticles Induce Tumor Vessel Normalization and Impair Metastasis by Inhibiting Endothelial Smad2/3 Signaling. ACS Nano, 2020, 14, 7940-7958.	7.3	62
6138	Review of Gravimetric Sensing of Volatile Organic Compounds. ACS Sensors, 2020, 5, 1514-1534.	4.0	77
6139	Functionalised copper nanoparticle catalysts for electroless copper plating on textiles. Surface and Coatings Technology, 2020, 396, 125971.	2.2	21
6140	Thiolate-Capped Silver Nanoparticles: Discerning Direct Grafting from Sulfidation at the Metal–Ligand Interface by Interrogating the Sulfur Atom. Journal of Physical Chemistry C, 2020, 124, 13467-13478.	1.5	18
6141	Understanding the Role of Parallel Pathways via Inâ€Situ Switching of Quantum Interference in Molecular Tunneling Junctions. Angewandte Chemie - International Edition, 2020, 59, 14308-14312.	7.2	32

ARTICLE IF CITATIONS Uniformly sized Pt nanoparticles dispersed at high loading on Titania nanotubes. Applied Catalysis A: 2.2 18 6142 General, 2020, 600, 117631. Scanning tunneling microscopy study on phase behavior of self-assembled monolayers formed by 6143 0.8 coadsorption of octanethiol and octyl thiocyanate on Au(111). Thin Solid Films, 2020, 707, 138100. Structural Stability of Physisorbed Air-Oxidized Decanethiols on Au(111). Journal of Physical 6144 9 1.5 Chemistry C, 2020, 124, 11977-11984. An acetophenothiazine-based fluorescence probe for multi-channel imaging of thiophenol with a 6145 0.7 large Stokes shift. Tetrahedron Letters, 2020, 61, 152038. Interfaces and surfaces., 2020, , 51-87. 6146 11 A closer physico-chemical look to the Layer-by-Layer electrostatic self-assembly of polyelectrolyte multilayers. Advances in Colloid and Interface Science, 2020, 282, 102197. Influence of a shape of gold nanoparticles on the dose enhancement in the wide range of gold mass concentration for high-energy X-ray beams from a medical linac. Reports of Practical Oncology and Radiotherapy, 2020, 25, 579-585. 6148 0.3 11 Adhesion layer-free attachment of gold on silicon wafer and its application in localized surface 6149 2.0 plasmon resonance-based biosensing. Sensors and Actuators A: Physical, 2020, 312, 112155. DNA Binding on Self-Assembled Monolavers Terminated with Mixtures of Ammonium and 6150 Trimethylammonium Groups: Toward a Gene-Delivery Platform. ACS Applied Nano Materials, 2020, 3, 2.4 6 6621-6628. Effect of the Packing Density on the Surface Hydrophobicity of ω-Functionalized (â°'CF₃,) Tj ETQq1 1 0.784314 rgBT /0 1.5 Study. Journal of Physical Chemistry C, 2020, 124, 14237-14244. Understanding the Role of Parallel Pathways via In‣itu Switching of Quantum Interference in 6152 3 1.6 Molecular Tunneling Junctions. Angewandte Chemie, 2020, 132, 14414-14418. Size Transformation of the Au₂₂(SG)₁₈ Nanocluster and Its Surface-Sensitive 6.6 30 Kinetics. Journal of the American Chemical Society, 2020, 142, 11514-11520. Nanoscale Mapping of the Directional Flow Patterns at Liquid-Solid Interfaces. Physical Review 6154 1.5 10 Applied, 2020, 13, . Interaction of the ($2\hat{a}\hat{s}3\hat{A}-3$)rect. Adsorption-Site Basis and Alkyl-Chain Close Packing in Alkanethiol Self-Assembled Monolayers on Au(111): A Molecular Dynamics Study of Alkyl-Chain Conformation. ACS 1.6 Omega, 2020, 5, 13802-13812. <p>Size-Controlled Preparation and Behavior Study of Phospholipid–Calcium Carbonate Hybrid 6156 3.3 37 Nanoparticles</p>. International Journal of Nanomédicine, 2020, Volume 15, 4049-4062. Preparation of methylacridinium iodides self-assembled monolayers and its anti-corrosion properties for mild steel in seawater: Experimental and computational studies. Journal of Molecular Liquids, 2020, 313, 113545. Study of parameters affecting microcontact printing of thiols on gold-coated substrate. 6158 1.0 1 International Journal of Modern Physics B, 2020, 34, 2040040. Constructing Dual-Molecule Junctions to Probe Intermolecular Crosstalk. ACS Applied Materials 6159 & Interfaces, 2020, 12, 30584-30590.

CITATION REPORT

#	ARTICLE Current Blockage of PSA molecular in Si3N4/Si/Si3N4 Sandwich Nanopore. Procedia CIRP, 2020, 89,	IF 1.0	CITATIONS
6161	138-142. Legionella pneumophila sg1-sensing signal enhancement using a novel electrochemical immunosensor in dynamic detection mode. Talanta, 2020, 215, 120904.	2.9	9
6162	Structure and Conformation of a Crystalline P3HT Film Adsorbed on an Alkanethiol Selfâ€Assembled Monolayer Deposited on Gold. Macromolecular Theory and Simulations, 2020, 29, 2000010.	0.6	4
6163	An electrochemical immittance analysis of the dielectric properties of self-assembled monolayers. Canadian Journal of Chemistry, 2020, 98, 471-479.	0.6	2
6164	Gold nanoparticles in cancer diagnosis and therapy. , 2020, , 43-58.		6
6165	Supramolecular Energy Materials. Advanced Materials, 2020, 32, e1907247.	11.1	101
6166	Nanoscale investigation of silicon dioxide nanofluids and implications for enhanced oil recovery – An atomic force microscope study. Journal of Petroleum Science and Engineering, 2020, 191, 107165.	2.1	23
6167	Carbon Nanomembranes from Aromatic Carboxylate Precursors. ChemPhysChem, 2020, 21, 1006-1011.	1.0	14
6168	Friction titration measurements of electrochemically generated mixed alkylthiol monolayers on polycrystalline gold. Electrochimica Acta, 2020, 340, 135937.	2.6	2
6169	Restructuring of Porphyrin Networks Driven by Self-Assembled Octanoic Acid Monolayer on Au(111). Langmuir, 2020, 36, 3792-3797.	1.6	10
6170	Mixed Phase-Incompatible Monolayers: Toward Nanoscale Anti-adhesive Coatings. ACS Applied Nano Materials, 2020, 3, 4091-4101.	2.4	3
6171	β-Cyclodextrin-Promoted Colorimetric and Fluorescence Turn-on Probe for Discriminating Highly Toxic Thiophenol from Biothiols. ACS Sustainable Chemistry and Engineering, 2020, 8, 6413-6421.	3.2	18
6172	Multi-instrumental approach to unravel molecular mechanisms of natural bioactive compounds: Case studies for flavonoids. TrAC - Trends in Analytical Chemistry, 2020, 126, 115865.	5.8	6
6173	Inkjet-Printing of Nanoparticle Gold and Silver Ink on Cyclic Olefin Copolymer for DNA-Sensing Applications. Sensors, 2020, 20, 1333.	2.1	17
6174	Self-assembly of small molecules at hydrophobic interfaces using group effect. Nanoscale, 2020, 12, 5452-5463.	2.8	27
6175	Detection of Chemical Host–Guest Interactions Using a Quartz Tuning Fork Sensing System. IEEE Sensors Journal, 2020, 20, 12543-12551.	2.4	9
6176	DNA-Biofunctionalization of CTAC-Capped Gold Nanocubes. Nanomaterials, 2020, 10, 1119.	1.9	18
6177	Delivery of drugs, proteins, and nucleic acids using inorganic nanoparticles. Advanced Drug Delivery Reviews, 2020, 156, 188-213.	6.6	167

#	Article	IF	CITATIONS
6178	Laser synthesis of surfactant-free silver nanoparticles for toxic dyes degradation and SERS applications. Optics and Laser Technology, 2020, 129, 106313.	2.2	20
6179	Molecular Origin of the Odd–Even Effect of Macroscopic Properties of <i>n</i> -Alkanethiolate Self-Assembled Monolayers: Bulk or Interface?. Journal of the American Chemical Society, 2020, 142, 13051-13061.	6.6	35
6180	Absolute Chiral Sensing in Dielectric Metasurfaces Using Signal Reversals. Nano Letters, 2020, 20, 5960-5966.	4.5	26
6181	Weak Antilocalization and Spin Hall Effect in Pt Films Doped with Molecular Spin. ACS Applied Electronic Materials, 2020, 2, 2098-2103.	2.0	2
6182	Construction of gold-siRNA _{NPR1} nanoparticles for effective and quick silencing of <i>NPR1</i> in <i>Arabidopsis thaliana</i> . RSC Advances, 2020, 10, 19300-19308.	1.7	21
6183	Phthalocyanine Monolayers Self-Assembled Directly from its Thiobenzoyl Derivative. ECS Journal of Solid State Science and Technology, 2020, 9, 051006.	0.9	5
6184	Simple spectroscopic determination of the hard protein corona composition in AuNPs: albumin at 75%. Nanoscale, 2020, 12, 15832-15844.	2.8	14
6185	Alternative voltammetry on self-assembled monolayers: An original approach to estimate the electrochemical electron-transfer rate constants when electroactive adsorbed species interact. Journal of Electroanalytical Chemistry, 2020, 873, 114414.	1.9	6
6186	Angstrom-Scale Ruler Using Single Molecule Conductance Signatures. Journal of Physical Chemistry C, 2020, 124, 13427-13433.	1.5	13
6187	4,5â€Bis(diphenylthiophosphinoyl)â€1,2,3â€ŧriazolate interaction with gold nanoparticles and flat surfaces to form selfâ€assembled monolayers. Surface and Interface Analysis, 2020, 52, 707-716.	0.8	1
6188	Phase-transfer-assisted synthesis of cysteine-Ag nanoparticles/graphene oxide nanocomposite and its enhanced performance in antibiosis and biosensing. Nanotechnology, 2020, 31, 455603.	1.3	8
6189	Influence of Terminal Carboxyl Groups on the Structure and Reactivity of Functionalized <i>m</i> Carboranethiolate Self-Assembled Monolayers. Chemistry of Materials, 2020, 32, 6800-6809.	3.2	8
6190	Self-assembled monolayer formation of pentamers-like molecules onto FCC(111) surfaces: the case of curcuminoids onto Au(111) surface. Nano Express, 2020, 1, 010025.	1.2	1
6191	Tailoring two-dimensional surfaces with pillararenes based host–guest chemistry. Chinese Chemical Letters, 2020, 31, 3095-3101.	4.8	10
6192	Enhancing the Sensitivity of Biotinylated Surfaces by Tailoring the Design of the Mixed Self-Assembled Monolayer Synthesis. ACS Omega, 2020, 5, 16762-16771.	1.6	22
6193	Inorganic-based drug delivery systems for cancer therapy. , 2020, , 283-316.		6
6194	Electrochemistry of bi-redox ionic liquid from solution to bi-functional carbon surface. Electrochimica Acta, 2020, 354, 136689.	2.6	5
6195	CdSe quantum dots modified thiol functionalized g-C3N4: Intimate interfacial charge transfer between 0D/2D nanostructure for visible light H2 evolution. Renewable Energy, 2020, 158, 431-443.	4.3	48

#	Article	IF	CITATIONS
6196	Interactions between gold, thiol and As(<scp>iii</scp>) for colorimetric sensing. Analyst, The, 2020, 145, 5166-5173.	1.7	11
6197	Control of polymorphism in solution-processed organic thin film transistors by self-assembled monolayers. Science China Chemistry, 2020, 63, 1221-1229.	4.2	11
6198	A Review of Design Considerations for Hemocompatibility within Microfluidic Systems. Seminars in Thrombosis and Hemostasis, 2020, 46, 622-636.	1.5	3
6199	Sensing mechanism of a fluorescent probe for thiophenols: Invalidity of excited-state intramolecular proton transfer mechanism. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 231, 118129.	2.0	11
6200	Label-Free Detection of Zeptomol miRNA via Peptide Nucleic Acid Hybridization Using Novel Cyclic Voltammetry Method. Sensors, 2020, 20, 836.	2.1	5
6201	Simultaneous Photografting of Two Organic Groups on a Gold Surface by using Arylazo Sulfones as Single Precursors. Langmuir, 2020, 36, 2786-2793.	1.6	14
6202	Chemical Functionalization of the Zinc Selenide Surface and Its Impact on Lactobacillus rhamnosus GC Biofilms. ACS Applied Materials & Interfaces, 2020, 12, 14933-14945.	4.0	7
6203	Use of calixarenes bearing diazonium groups for the development of robust monolayers with unique tailored properties. Organic and Biomolecular Chemistry, 2020, 18, 3624-3637.	1.5	30
6204	Adsorption of tolueneâ€3,4â€dithiol on silver islands investigated by surfaceâ€enhanced Raman spectroscopy. Journal of Raman Spectroscopy, 2020, 51, 788-794.	1.2	7
6205	Steric hindrance and exchange in the coadsorption of octanethiol and decyl thiocyanate on Au(111). Surface Science, 2020, 694, 121562.	0.8	3
6206	10-Fold Quantum Yield Improvement of Ag ₂ S Nanoparticles by Fine Compositional Tuning. ACS Applied Materials & Interfaces, 2020, 12, 12500-12509.	4.0	25
6207	Phenethylamine@Pillar[5]arene Biointerface for Highly Enantioselective Adsorption of Protein. Chemistry - an Asian Journal, 2020, 15, 1025-1029.	1.7	4
6208	A novel BSA immobilizing manner on modified titanium surface ameliorates osteoblast performance. Colloids and Surfaces B: Biointerfaces, 2020, 190, 110888.	2.5	11
6209	Fundamentals of Au(111) Surface Dynamics: Coarsening of Two-Dimensional Au Islands. Journal of Physical Chemistry C, 2020, 124, 7492-7499.	1.5	8
6210	Self-assembled monolayers from symmetrical di-thiols: Preparation, characterization and application for the assembly of electrochemically active films. Applied Surface Science, 2020, 513, 145827.	3.1	7
6211	The role of self-assembled monolayers in electronic devices. Journal of Materials Chemistry C, 2020, 8, 3938-3955.	2.7	127
6212	Surface-Enhanced Hyper Raman Spectra of Aromatic Thiols on Gold and Silver Nanoparticles. Journal of Physical Chemistry C, 2020, 124, 6233-6241.	1.5	42
6214	Edge-driven nanomembrane-based vertical organic transistors showing a multi-sensing capability. Nature Communications, 2020, 11, 841.	5.8	38

#	Article	IF	CITATIONS
6215	A computational study of thiol-containing cysteine amino acid binding to Au6 and Au8 gold clusters. Journal of Molecular Modeling, 2020, 26, 58.	0.8	15
6216	Coalescence of Au Nanoparticles without Ligand Detachment. Physical Review Letters, 2020, 124, 066101.	2.9	24
6217	Theoretical Investigation of 6-Mercaptopurine Isomers' Adsorption on the Au(001) Surface: Revealing the Fate of Different Isomers. ACS Omega, 2020, 5, 610-618.	1.6	3
6218	Thermal Stability of Phosphonic Acid Self-Assembled Monolayers on Alumina Substrates. Journal of Physical Chemistry C, 2020, 124, 2531-2542.	1.5	28
6219	Mixed Molecular Electronics: Tunneling Behaviors and Applications of Mixed Selfâ€Assembled Monolayers. Advanced Electronic Materials, 2020, 6, 1901157.	2.6	63
6220	Versatile electrochemical approaches towards the fabrication of molecular electronic devices. Analyst, The, 2020, 145, 1563-1582.	1.7	13
6221	New emerging nanofabrication methods. , 2020, , 87-147.		0
6222	Theoretical exploration of the forces governing the interaction between gold–phthalocyanine and gold surface clusters. RSC Advances, 2020, 10, 3895-3901.	1.7	7
6223	Production and processing of graphene and related materials. 2D Materials, 2020, 7, 022001.	2.0	333
6224	Imaging ellipsometry biosensor: Basic theory, principles of operation, and applications. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2020, 38, 024002.	0.6	3
6225	Two layers are better than one. Nature Materials, 2020, 19, 262-263.	13.3	1
6226	Surface-enhanced resonance Raman spectroscopy of heme proteins on a gold grid electrode. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 230, 118081.	2.0	7
6228	Surface Modification with Control over Ligand Density for the Study of Multivalent Biological Systems. ChemistryOpen, 2020, 9, 53-66.	0.9	20
6229	The effect of phenylalanine ligands on the chiral-selective oxidation of glucose on Au(111). Nanoscale, 2020, 12, 3050-3057.	2.8	16
6230	Structural Phases of Alkanethiolate Self-Assembled Monolayers (C _{1–12}) on Cu[100] by Density Functional Theory. Journal of Physical Chemistry C, 2020, 124, 3802-3811.	1.5	4
6231	Thermal Stability of Octadecyltrichlorosilane and Perfluorooctyltriethoxysilane Monolayers on SiO2. Nanomaterials, 2020, 10, 210.	1.9	7
6232	Structure and Function Analysis of DNA Monolayers Created from Self-Assembling DNA–Dendron Conjugates. Langmuir, 2020, 36, 5428-5434.	1.6	2
6233	N-Heterocyclic Carbenes for the Self-Assembly of Thin and Highly Insulating Monolayers with High Quality and Stability. ACS Nano, 2020, 14, 6043-6057.	7.3	28

#	Article	IF	CITATIONS
6234	Surface Rashba-Edelstein Spin-Orbit Torque Revealed by Molecular Self-Assembly. Physical Review Applied, 2020, 13, .	1.5	9
6235	Binary aromatic self-assembled monolayers: electrostatic properties and charge tunneling rates across the molecular framework. Physical Chemistry Chemical Physics, 2020, 22, 10957-10967.	1.3	22
6236	Spontaneous S–Si bonding of alkanethiols to Si(111)–H: towards Si–molecule–Si circuits. Chemical Science, 2020, 11, 5246-5256.	3.7	30
6237	Dynamic Supramolecular Template: Multiple Stimuli-Controlled Size Adjustment of Porous Networks. Langmuir, 2020, 36, 5510-5516.	1.6	6
6238	Self-assembly of octanethiol on oxide-free cobalt electrode from aqueous solution under electrochemical control. Journal of Solid State Electrochemistry, 2020, 24, 987-995.	1.2	2
6239	Alignment of luminescent liquid crystalline molecules on modified PEDOT:PSS substrate. Applied Nanoscience (Switzerland), 2020, 10, 5063-5068.	1.6	1
6240	Metal-organic frameworks and exemplified cytotoxicity evaluation. , 2020, , 347-381.		1
6241	Assessing the wetting state of minerals in complex sandstone rock in-situ by Atomic Force Microscopy (AFM). Fuel, 2020, 273, 117807.	3.4	28
6242	Merocyanine-based turn-on fluorescent probe for the sensitive and selective determination of thiophenols via a pKa shift mechanism. Talanta, 2020, 216, 120965.	2.9	7
6243	A Proposed Method to Obtain Surface Specificity with Pump–Probe and 2D Spectroscopies. Journal of Physical Chemistry A, 2020, 124, 3471-3483.	1.1	11
6244	Understanding the Surface Reactivity of Ligand-Protected Metal Nanoparticles for Biomass Upgrading. ACS Catalysis, 2020, 10, 5462-5474.	5.5	32
6245	Biodegradable Cold Nanoclusters with Improved Excretion Due to pH-Triggered Hydrophobic-to-Hydrophilic Transition. Journal of the American Chemical Society, 2020, 142, 7783-7794.	6.6	40
6246	Robust hydrophobic gold, glass and polypropylene surfaces obtained through a nanometric covalently bound organic layer. RSC Advances, 2020, 10, 13553-13561.	1.7	9
6247	Formation of Size and Density Controlled Nanostructures by Galvanic Displacement. Nanomaterials, 2020, 10, 644.	1.9	6
6248	Nanostructured Polyelectrolyte Complexes Based on Water-Soluble Thiacalix[4]Arene and Pillar[5]Arene: Self-Assembly in Micelleplexes and Polyplexes at Packaging DNA. Nanomaterials, 2020, 10, 777.	1.9	5
6249	The Power of Assemblies at Interfaces: Nanosensor Platforms Based on Synthetic Receptor Membranes. Sensors, 2020, 20, 2228.	2.1	7
6250	Multifuntional Gold Nanoparticles for the SERS Detection of Pathogens Combined with a LAMP–in–Microdroplets Approach. Materials, 2020, 13, 1934.	1.3	28
6251	Force Field Parameter Development for the Thiolate/Defective Au(111) Interface. Langmuir, 2020, 36, 4098-4107.	1.6	2

#	Article	IF	CITATIONS
6252	The ligand exchange of citrates to thioabiraterone on gold nanoparticles for prostate cancer therapy. International Journal of Pharmaceutics, 2020, 583, 119319.	2.6	11
6253	Revealing the Role of Surface Co-modification in Boosting the Gas Sensing Performance of Graphene Using Experimental and Theoretical Evidences. Sensors and Actuators B: Chemical, 2020, 316, 128162.	4.0	6
6254	Self-Assembled Monolayers with Embedded Dipole Moments for Work Function Engineering of Oxide Substrates. Journal of Physical Chemistry C, 2020, 124, 8775-8785.	1.5	22
6255	Nanostars—decorated microfluidic sensors for surface enhanced Raman scattering targeting of biomolecules. JPhys Photonics, 2020, 2, 024008.	2.2	11
6256	Nano-scale control of the ionomer distribution by molecular masking of the Pt surface in PEMFCs. Journal of Materials Chemistry A, 2020, 8, 13004-13013.	5.2	46
6257	Electrical molecular switch addressed by chemical stimuli. Nanoscale, 2020, 12, 10127-10139.	2.8	14
6258	Functionalized Polyelectrolytes for Bioengineered Interfaces and Biosensing Applications. Organic Materials, 2020, 02, 078-107.	1.0	3
6259	Advances in HbA1c Biosensor Development Based on Field Effect Transistors: A Review. IEEE Sensors Journal, 2020, , 1-1.	2.4	7
6260	Electrochemical delamination assisted transfer of molecular nanosheets. Nanoscale, 2020, 12, 8656-8663.	2.8	11
6261	Bionanopolymeric film for the electroanalytical detection of zinc, cadmium and lead ions. Materials Research Innovations, 2021, 25, 138-146.	1.0	2
6262	Silver and Acid-thiourea Silver Dips: Rinsing and Aging Monitored by Electrochemistry. Studies in Conservation, 2021, 66, 98-112.	0.6	2
6263	Functionalized Tetrapodal Diazatriptycenes for Electrostatic Dipole Engineering in nâ€Type Organic Thin Film Transistors. Advanced Materials Technologies, 2021, 6, 2000300.	3.0	5
6264	The role of amine in the sequestration of As (III) on functionalized indium tin oxide. Applied Surface Science, 2021, 538, 147652.	3.1	4
6265	Understanding the impact of Cu surface pre-treatment on Octadecanethiol-derived self-assembled monolayer as a mask for area-selective deposition. Applied Surface Science, 2021, 540, 148307.	3.1	11
6266	Uncovering the relationship between the structure and acid-base properties for hyperbranched polyester-polyols self-assembled on carbon surfaces. Journal of Electroanalytical Chemistry, 2021, 880, 114819.	1.9	1
6267	Influence of end groups variation of self assembled monolayers on performance of planar perovskite solar cells by interface regulation. Materials Science in Semiconductor Processing, 2021, 123, 105514.	1.9	14
6268	Facile and recyclable dopamine sensing by a label-free terbium(III) metalâ^'organic framework. Talanta, 2021, 221, 121399.	2.9	16
6269	<i>In situ</i> Nanoscale Infrared Spectroscopy of Water Adsorption on Nanoislands of Surfaceâ€Anchored Metalâ€Organic Frameworks. Angewandte Chemie - International Edition, 2021, 60, 1620-1624.	7.2	29

#	Article	IF	CITATIONS
6270	Engineered Coatings via the Assembly of Aminoâ€Quinone Networks. Angewandte Chemie - International Edition, 2021, 60, 2346-2354.	7.2	34
6271	Adsorption of Se on Cu(1 0 0) and formation of two-dimensional copper selenide layer. Materials Today: Proceedings, 2021, 39, 1170-1174.	0.9	0
6272	Optimized self-immolative near-infrared probe based on hemicyanine for highly specific monitoring thiophenols in living systems. Talanta, 2021, 224, 121785.	2.9	8
6273	A iridium(III) complex-based â€~turn-on' fluorescent probe with two recognition site for rapid detection of thiophenol and its application in water samples and human serum. Tetrahedron, 2021, 77, 131738.	1.0	7
6274	Probing the ligand exchange kinetics of phenynyl-based ligands on colloidal Au nanoparticles. Materials Chemistry Frontiers, 2021, 5, 465-471.	3.2	11
6275	Laminated CO membranes for water transport and ions selectivity: Mechanism, synthesis, stabilization, and applications. Separation and Purification Technology, 2021, 259, 118192.	3.9	23
6276	A cost-effective and sensitive photothermal biosensor for the diagnosis of diabetes based on quantifying the sialic acid content on erythrocytes. Sensors and Actuators B: Chemical, 2021, 329, 129259.	4.0	5
6277	Self-alignment technique of liquid crystal using a novel additive containing thiol group. Journal of Molecular Liquids, 2021, 322, 114557.	2.3	1
6278	Poly(N-isopropylacrylamide)-grafted gold nanoparticles at the vapor/water interface. Journal of Colloid and Interface Science, 2021, 585, 312-319.	5.0	11
6279	Thermodynamic Phase-like Transition Effect of Molecular Self-assembly. Journal of Physical Chemistry Letters, 2021, 12, 126-131.	2.1	4
6280	Hydrogen Wettability of Sandstone Reservoirs: Implications for Hydrogen Geo‣torage. Geophysical Research Letters, 2021, 48, e2020GL090814.	1.5	110
6281	Ultrasonic Generation of Thiyl Radicals: A General Method of Rapidly Connecting Molecules to a Range of Electrodes for Electrochemical and Molecular Electronics Applications. ACS Sensors, 2021, 6, 573-580.	4.0	15
6282	Electrochemical genosensor for the detection of Alexandrium minutum dinoflagellates. Talanta, 2021, 222, 121416.	2.9	7
6283	Engineered Coatings via the Assembly of Aminoâ€Quinone Networks. Angewandte Chemie, 2021, 133, 2376-2384.	1.6	5
6284	In situ Nanoscale Infrared Spectroscopy of Water Adsorption on Nanoislands of Surfaceâ€Anchored Metalâ€Organic Frameworks. Angewandte Chemie, 2021, 133, 1644-1648.	1.6	5
6285	Super-Resolution Characterization of Heterogeneous Light–Matter Interactions between Single Dye Molecules and Plasmonic Nanoparticles. Analytical Chemistry, 2021, 93, 430-444.	3.2	8
6286	Gold Nanozymes: From Concept to Biomedical Applications. Nano-Micro Letters, 2021, 13, 10.	14.4	150
6287	Bioâ€probing with nonresonant surfaceâ€enhanced hyperâ€Raman scattering excited at 1,550 nm. Journal of Raman Spectroscopy, 2021, 52, 394-403.	1.2	3

#	Article	IF	CITATIONS
6288	Temperature drift-aware material selection of composite piezoresistive micro-cantilevers using Ashby's methodology. Microsystem Technologies, 2021, 27, 2647-2660.	1.2	4
6289	Low-energy electron irradiation induced synthesis of molecular nanosheets: influence of the electron beam energy. Faraday Discussions, 2021, 227, 61-79.	1.6	21
6290	Molecularly-tunable nanoelectrode arrays created by harnessing intermolecular interactions. Chemical Science, 2021, 12, 6081-6090.	3.7	3
6292	Progress of Antimicrobial Plastics and Its Applications. , 2022, , 1040-1046.		1
6293	Doping of the hydrogen-passivated Si(100) electronic structure through carborane adsorption studied using density functional theory. Physical Chemistry Chemical Physics, 2021, 23, 20379-20387.	1.3	0
6294	Fabrication of metallic and non-metallic top electrodes for large-area molecular junctions. Nanoscale, 2021, 13, 9055-9074.	2.8	16
6295	Where do the counterions go? Tip-induced dissociation of self-assembled triazatriangulenium-based molecules on Au(111). Physical Chemistry Chemical Physics, 2021, 23, 9930-9937.	1.3	2
6296	Synthesis and liquid crystal behaviour of tetrathiafulvalenes/1,3-dithiol-2-thione and <i>p</i> -cyanoazobenzene. Liquid Crystals, 2021, 48, 1095-1102.	0.9	1
6297	Effect of surface engineering on ethylamine-mediated plasmonic gold nanoparticle assembly. Materials Chemistry Frontiers, 2021, 5, 7323-7332.	3.2	1
6298	Area-Selective Atomic Layer Deposition on Chemically Similar Materials: Achieving Selectivity on Oxide/Oxide Patterns. Chemistry of Materials, 2021, 33, 513-523.	3.2	31
6299	Thiol adsorption on metal oxide nanoparticles. Physical Chemistry Chemical Physics, 2021, 23, 8309-8317.	1.3	15
6300	Reverse Size-Dependent Electrooxidation of Gold Nanoparticles Coated with Alkanethiol Self-Assembled Monolayers. Journal of Physical Chemistry C, 2021, 125, 2719-2728.	1.5	6
6301	On-Nanoparticle Gating Units Render an Ordinary Catalyst Substrate- and Site-Selective. Journal of the American Chemical Society, 2021, 143, 1807-1815.	6.6	13
6302	Paper Microfluidics and Tailored Gold Nanoparticles for Nonenzymatic, Colorimetric Multiplex Biomarker Detection. ACS Applied Materials & Interfaces, 2021, 13, 3576-3590.	4.0	56
6303	Surface chemical reactions on self-assembled silane based monolayers. Chemical Society Reviews, 2021, 50, 6507-6540.	18.7	53
6304	Self-assembled dipoles of <i>o</i> -carborane on gate oxide tuning charge carriers in organic field effect transistors. Journal of Materials Chemistry C, 2022, 10, 2690-2695.	2.7	2
6305	Modification of Alkanethiolate Self-Assembled Monolayers by Ultraviolet Light: The Effect of Wavelength. Journal of Physical Chemistry C, 2021, 125, 1855-1864.	1.5	3
6306	Hydrophobic AlO <i>_x</i> Surfaces by Adsorption of a SAM on Large Areas for Application in Solar Cell Metallization Patterning. ACS Applied Materials & amp; Interfaces, 2021, 13, 5803-5813.	4.0	14

#	Article	IF	CITATIONS
6307	A versatile click chemistry-based approach for functionalizing biomaterials of diverse nature with bioactive peptides. Chemical Communications, 2021, 57, 982-985.	2.2	7
6308	Monitoring damage of self-assembled monolayers using metastable excited helium atoms. Journal of Chemical Physics, 2021, 154, 034704.	1.2	0
6309	Surface Plasmon Resonance Platforms for Chemical and Bio Sensing. , 2021, , .		2
6310	From Order to Disorder of Alkanethiol Self-Assembled Monolayers on Complex Au (211), (221), and (311) Surfaces: Impact of the Substrate. Journal of Physical Chemistry C, 2021, 125, 3495-3508.	1.5	3
6311	From high quality packing to disordered nucleation or phase separation in donor/acceptor interfaces: ClAlPc-C ₆₀ on Au(111). Physical Chemistry Chemical Physics, 2021, 23, 14363-14371.	1.3	1
6312	Bioinspired solar cells: contribution of biology to light harvesting systems. , 2021, , 593-632.		3
6313	Efficient Au nanostructures for NIR-responsive controlled drug delivery systems. Chemical Papers, 2021, 75, 2277-2293.	1.0	12
6314	Long-term stability of a sulfhydryl-Au modification reagent in the biological detection at room temperature. Analytical Methods, 2021, 13, 3386-3393.	1.3	Ο
6315	Recent progress in the applications of amino–yne click chemistry. Polymer Chemistry, 2021, 12, 2978-2986.	1.9	29
6316	Heterogeneous Water Oxidation Catalysts for Molecular Anodes and Photoanodes. Solar Rrl, 2021, 5, 2000565.	3.1	6
6317	Impedimetric Detection of Human Interleukin 10 on Diazonium Salt Electroaddressed Gold Microelectrode Surfaces. Smart Sensors, Measurement and Instrumentation, 2021, , 109-121.	0.4	1
6318	Nanobiotechnology: A Process to Combat Abiotic Stress in Crop Plants. , 2021, , 139-163.		1
6319	Zinc oxide nanocolumns grown on self-assembled silica nanosphere monolayer templates. Journal of Materials Research, 2021, 36, 361-367.	1.2	0
6320	Optimised power harvesting by controlling the pressure applied to molecular junctions. Chemical Science, 2021, 12, 5230-5235.	3.7	18
6321	Single Nucleotides Moving through Nanoslits Composed of Self-Assembled Monolayers via Equilibrium and Nonequilibrium Molecular Dynamics. Journal of Physical Chemistry B, 2021, 125, 1259-1270.	1.2	2
6322	A review of coating materials for ionic polymer metal compounds for Nafion-117. Materials Today: Proceedings, 2021, 46, 6655-6659.	0.9	Ο
6323	Plant-inspired quercetin thin films: universal coatings and their postfunctionalization for non-biofouling applications. New Journal of Chemistry, 2021, 45, 7533-7541.	1.4	5
6324	Shape Transformation Mechanism of Gallium–Indium Alloyed Liquid Metal Nanoparticles. Advanced Materials Interfaces, 2021, 8, 2001874.	1.9	27

#	Article	IF	CITATIONS
6325	Thermally Stable and Highly Conductive SAMs on Ag Substrate—The Impact of the Anchoring Group. Advanced Electronic Materials, 2021, 7, 2000947.	2.6	8
6326	Visualizing Ligand-Mediated Bimetallic Nanocrystal Formation Pathways with <i>in Situ</i> Liquid-Phase Transmission Electron Microscopy Synthesis. ACS Nano, 2021, 15, 2578-2588.	7.3	25
6327	Understanding the perovskite/self-assembled selective contact interface for ultra-stable and highly efficient p–i–n perovskite solar cells. Energy and Environmental Science, 2021, 14, 3976-3985.	15.6	104
6328	Bioinorganic and bioinspired solid-state chemistry: from classical crystallization to nonclassical synthesis concepts. , 2021, , 433-490.		2
6329	Catalytic gold nanostars for SERS-based detection of mercury ions (Hg ²⁺) with inverse sensitivity. Environmental Science: Nano, 2021, 8, 2718-2730.	2.2	29
6330	First-principles calculations of hybrid inorganic–organic interfaces: from state-of-the-art to best practice. Physical Chemistry Chemical Physics, 2021, 23, 8132-8180.	1.3	36
6331	Realizing new designs of multiplexed electrode chips by 3-D printed masks. RSC Advances, 2021, 11, 21600-21606.	1.7	9
6332	Clutathione Self-Assembles into a Shell of Hydrogen-Bonded Intermolecular Aggregates on "Naked― Silver Nanoparticles. Journal of Physical Chemistry B, 2021, 125, 895-906.	1.2	7
6333	Effect of Concentration, Chain Length, Hydrophobicity, and an External Electric Field on the Growth of Mixed Alkanethiol Self-Assembled Monolayers: A Molecular Dynamics Study. Langmuir, 2021, 37, 1913-1924.	1.6	13
6334	Nonâ€Covalent Postfunctionalization of Dye Layers on TiO ₂ — A Tool for Enhancing Injection in Dyeâ€Sensitized Solar Cells. Chemistry - A European Journal, 2021, 27, 5041-5050.	1.7	4
6335	Palladium zero-mode waveguides for optical single-molecule detection with nanopores. Nanotechnology, 2021, 32, 18LT01.	1.3	24
6336	Conformation, and Charge Tunneling through Molecules in SAMs. Journal of the American Chemical Society, 2021, 143, 3481-3493.	6.6	30
6338	Raman Detection of Bond Breaking and Making of a Chemisorbed Up-Standing Single Molecule at Single-Bond Level. Journal of Physical Chemistry Letters, 2021, 12, 1961-1968.	2.1	18
6339	Antifouling Coatings Generated from Unsymmetrical Partially Fluorinated Spiroalkanedithiols. ACS Applied Bio Materials, 2021, 4, 1563-1572.	2.3	17
6340	Mass sensitivity of Langmuir-Blodgett monolayer film coated surface acoustic wave resonators to volatile organic solvents. Journal of Physics: Conference Series, 2021, 1762, 012002.	0.3	4
6341	Photoswitching, Colloidal Stability, and Reversible Self-Assembly of Gold Nanoparticles Covered with Thiolated Donor–Acceptor Stenhouse Adducts. Journal of Physical Chemistry C, 2021, 125, 5306-5314.	1.5	8
6342	Area-Selective Molecular Layer Deposition of a Silicon Oxycarbide Low- <i>k</i> Dielectric. Chemistry of Materials, 2021, 33, 902-909.	3.2	13
6343	Mini/Micro/Nano Scale Liquid Metal Motors. Micromachines, 2021, 12, 280.	1.4	16

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#	Article	IF	CITATIONS
6345	Aptamer-Based Detection of Circulating Targets for Precision Medicine. Chemical Reviews, 2021, 121, 12035-12105.	23.0	294
6346	Convenient Synthesis of Functionalized Unsymmetrical Vinyl Disulfides and Their Inverse Electron-Demand Hetero-Diels-Alder Reaction. Materials, 2021, 14, 1342.	1.3	1
6347	Controlled and Stable Patterning of Diverse Inorganic Nanocrystals on Crystalline Two-Dimensional Protein Arrays. Biochemistry, 2021, 60, 1063-1074.	1.2	7
6348	Polymer Chemistry for Haptics, Soft Robotics, and Human–Machine Interfaces. Advanced Functional Materials, 2021, 31, 2008375.	7.8	14
6349	Bio-inert Properties of TEG Modified Dendrimer Interface. Analytical Sciences, 2021, 37, 519-523.	0.8	0
6350	Outâ€Ofâ€Plane Metal Coordination for a True Solventâ€Free Building with Molecular Bricks: Dodging the Surface Ligand Effect for Onâ€Surface Vacuum Selfâ€Assembly. Advanced Functional Materials, 2021, 31, 2011008.	7.8	8
6351	Comprehensive Study on Ni- or Ir-Based Alloy Catalysts in the Hydrogenation of Olefins and Mechanistic Insight. ACS Catalysis, 2021, 11, 3293-3309.	5.5	20
6352	Directly Synthesized Graphene-Based Photonics and Optoelectronics Devices. Applied Sciences (Switzerland), 2021, 11, 2768.	1.3	4
6353	Application of Core/Shell Nanoparticles in Smart Farming: A Paradigm Shift for Making the Agriculture Sector More Sustainable. Journal of Agricultural and Food Chemistry, 2021, 69, 3267-3283.	2.4	30
6354	Noise spectroscopy of molecular electronic junctions. Applied Physics Reviews, 2021, 8, .	5.5	10
6355	Cost effective optimised synthetic surface modification strategies for enhanced control of neuronal cell differentiation and supporting neuronal and Schwann cell viability. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2021, 109, 1713-1723.	1.6	4
6356	Polymerization of silanes through dehydrogenative Si–Si bond formation on metal surfaces. Nature Chemistry, 2021, 13, 350-357.	6.6	11
6357	Intrinsically Polar Piezoelectric Selfâ€Assembled Oligopeptide Monolayers. Advanced Materials, 2021, 33, e2007486.	11.1	12
6358	Construction and Properties of Donor–Acceptor Stenhouse Adducts on Gold Surfaces. Langmuir, 2021, 37, 3057-3066.	1.6	12
6359	Electronâ€Irradiation Promoted Exchange Reaction as a Tool for Surface Engineering and Chemical Lithography. Advanced Materials Interfaces, 2021, 8, 2100148.	1.9	15
6360	Cold Nanoparticles in Cancer Theranostics. Frontiers in Bioengineering and Biotechnology, 2021, 9, 647905.	2.0	63
6361	Vibrational Sum-Frequency Generation Hyperspectral Microscopy for Molecular Self-Assembled Systems. Annual Review of Physical Chemistry, 2021, 72, 279-306.	4.8	9
6362	High-resolution X-ray absorption spectroscopy of alkanethiolate self-assembled monolayers on Au(111) and Ag(111). Journal of Electron Spectroscopy and Related Phenomena, 2021, 248, 147057.	0.8	6

#	Article	IF	CITATIONS
6363	Interstitially Mixed Self-Assembled Monolayers Enhance Electrical Stability of Molecular Junctions. Nano Letters, 2021, 21, 3162-3169.	4.5	42
6364	Controlled Nanostructures Fabricated by the Self-Assembly of Gold Nanoparticles via Simple Surface Modifications. Bulletin of the Chemical Society of Japan, 2021, 94, 1300-1310.	2.0	14
6365	A versatile heterogeneous photocatalyst: nanoporous gold powder modified with a zinc(II) phthalocyanine derivative for singlet oxygen [4 + 2] cycloadditions. Photochemical and Photobiological Sciences, 2021, 20, 547-558.	1.6	5
6366	Au nanoparticles supported on piranha etched halloysite nanotubes for highly efficient heterogeneous catalysis. Applied Surface Science, 2021, 546, 149100.	3.1	24
6367	Effect of humic acid on CO2-wettability in sandstone formation. Journal of Colloid and Interface Science, 2021, 588, 315-325.	5.0	63
6368	Advances in aptamer-based nanomaterials for separation and analysis of non-genetic biomarkers in biofluids. Science China Chemistry, 2021, 64, 932-947.	4.2	12
6369	Metal Ion-Dependent Interfacial Organization and Dynamics of Metal-Phosphonate Monolayers. Langmuir, 2021, 37, 4658-4665.	1.6	3
6370	Stretchable, robust and reprocessable poly(siloxane-urethanes) elastomers based on exchangeable aromatic disulfides. Polymer, 2021, 221, 123588.	1.8	14
6371	Woven Electroanalytical Biosensor for Nucleic Acid Amplification Tests. Advanced Healthcare Materials, 2021, 10, e2100034.	3.9	16
6372	Plasmonic Anti ounterfeiting Labels Based on the Au@SiO 2 â€Embedded Electrospun Fibers. Advanced Materials Interfaces, 2021, 8, 2002246.	1.9	7
6373	Mesoporous Silica Nanoparticles: Properties and Strategies for Enhancing Clinical Effect. Pharmaceutics, 2021, 13, 570.	2.0	47
6374	Modeling of Quasi-Static Floating-Gate Transistor Biosensors. ACS Sensors, 2021, 6, 1910-1917.	4.0	4
6375	Odd–Even Effect in Electron Beam Irradiation of Hybrid Aromatic–Aliphatic Self-Assembled Monolayers of Fatty Acid. Journal of Physical Chemistry C, 2021, 125, 9310-9318.	1.5	4
6376	First principles details into the grafting of aryl radicals onto the free-standing and borophene/Ag(1 1) Tj ETQq1	l 0.784314	rgBT /Overlo
6377	Oral Tissue Interactions and Cellular Response to Zirconia Implant-Prosthetic Components: A Critical Review. Materials, 2021, 14, 2825.	1.3	17
6378	Structural Order of the Molecular Adlayer Impacts the Stability of Nanoparticle-on-Mirror Plasmonic Cavities. ACS Photonics, 2021, 8, 1863-1872.	3.2	11
6379	Formation of extraordinary density alkanethiol self-assembled monolayers on surfaces of digitally photocorroded (001) GaAs/AlGaAs nanoheterostructures. Applied Physics Letters, 2021, 118, 222102.	1.5	2
6380	Photocatalytic and thermolytic "Attenuation – Degradation―mechanisms of perfluoroalkylsilane self assembled on TiO2 nanoparticles. Applied Surface Science, 2021, 549, 149278.	3.1	5

#	Article	IF	Citations
6381	Rapid single-molecule detection of COVID-19 and MERS antigens via nanobody-functionalized organic electrochemical transistors. Nature Biomedical Engineering, 2021, 5, 666-677.	11.6	235
6382	The Beginner's Guide to Chiral Plasmonics: Mostly Harmless Theory and the Design of Largeâ€Area Substrates. Advanced Optical Materials, 2021, 9, 2100378.	3.6	51
6383	A model study on controlling dealloying corrosion attack by lateral modification of surfactant inhibitors. Npj Materials Degradation, 2021, 5, .	2.6	8
6384	Fabrication of Biosensing Interface with Monolayers. Analytical Sciences, 2021, 37, 673-682.	0.8	4
6385	Study Of Mercaptobenzimidazoles As Inhibitors For Copper Corrosion: Down to the Molecular Scale. Journal of the Electrochemical Society, 2021, 168, 051504.	1.3	18
6386	Fabrication of stimulus-responsive molecular layer comprising anthracene molecules. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 616, 126301.	2.3	7
6387	The ligand effect on the interface structures and electrocatalytic applications of atomically precise metal nanoclusters. Nanotechnology, 2021, 32, 352001.	1.3	10
6388	Strategies for Surface Immobilization of Whole Bacteriophages: A Review. ACS Biomaterials Science and Engineering, 2021, 7, 1987-2014.	2.6	30
6389	Selectivity in the Ligand Functionalization of Photocatalytic Metal Oxide Nanoparticles for Phase Transfer and Selfâ€Assembly Applications. Chemistry - A European Journal, 2021, 27, 9011-9021.	1.7	14
6390	Electrochemical determination of diethylstilbestrol in livestock and poultry meats by L-cysteine/gold nanoparticles modified electrode. Microchemical Journal, 2021, 164, 105952.	2.3	6
6391	Directional Raman scattering spectra of metal–sulfur bonds at smooth gold and silver substrates. Journal of Raman Spectroscopy, 2021, 52, 1246-1255.	1.2	19
6392	KAT Ligation for Rapid and Facile Covalent Attachment of Biomolecules to Surfaces. ACS Applied Materials & Interfaces, 2021, 13, 29113-29121.	4.0	5
6393	Nanoscale Dynamics of Self-Assembled Monolayers on a MHz-Oscillating Solid–Liquid Interface Revealed by Direct Observation. Journal of Physical Chemistry C, 2021, 125, 13629-13634.	1.5	1
6394	Porous Honeycomb Self-Assembled Monolayers: Tripodal Adsorption and Hidden Chirality of Carboxylate Anchored Triptycenes on Ag. ACS Nano, 2021, 15, 11168-11179.	7.3	25
6395	Low-fouling properties in serum of carboxylic-oligo(ethylene glycol)-based interfaces. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 618, 126426.	2.3	0
6396	SERS Amplification in Au/Si Asymmetric Dimer Array Coupled to Efficient Adsorption of Thiophenol Molecules. Nanomaterials, 2021, 11, 1521.	1.9	12
6397	Charge transport through molecular ensembles: Recent progress in molecular electronics. Chemical Physics Reviews, 2021, 2, .	2.6	69
6398	Universal Surface Coating with a Non-Phenolic Molecule, Sulfonated Pyrene. Langmuir, 2021, 37, 7227-7236.	1.6	3

#	Article	IF	Citations
6399	Nanomechanical Characterization of Organic Surface Passivation Films on 50 nm Patterns during Area-Selective Deposition. ACS Applied Electronic Materials, 2021, 3, 2622-2630.	2.0	7
6400	Recent Advances in Antifouling Materials for Surface Plasmon Resonance Biosensing in Clinical Diagnostics and Food Safety. Polymers, 2021, 13, 1929.	2.0	26
6401	Synthesis of Long-Chain Alkanoyl Benzenes by an Aluminum(III) Chloride-Catalyzed Destannylative Acylation Reaction. Journal of Organic Chemistry, 2021, 86, 9007-9022.	1.7	7
6402	Striped Poly(diacetylene) Monolayers Control Adsorption of Polyelectrolytes and Proteins on 2D Materials and Elastomers. ACS Applied Nano Materials, 2021, 4, 7037-7046.	2.4	11
6403	Dithiol Self-Assembled Monolayer Based Electrochemical Surface Plasmon Resonance Optical Fiber Sensor for Selective Heavy Metal Ions Detection. Journal of Lightwave Technology, 2021, 39, 4034-4040.	2.7	15
6404	Nonspecific Binding—Fundamental Concepts and Consequences for Biosensing Applications. Chemical Reviews, 2021, 121, 8095-8160.	23.0	113
6405	Ferrocenes as One-Electron Donors in Unimolecular Rectifiers. , 0, , .		0
6406	Advances in Solar Energy towards Efficient and Sustainable Energy. Sustainability, 2021, 13, 6295.	1.6	23
6407	The evaluation of anchoring processes and chemical stability of zwitterionic molecules via local reactivity indexes. Computational Materials Science, 2021, 193, 110418.	1.4	2
6408	Translational Diffusion Dynamics in Divalent Metal-Phosphonate Monolayers. Langmuir, 2021, 37, 7573-7581.	1.6	2
6409	Underground hydrogen storage: Influencing parameters and future outlook. Advances in Colloid and Interface Science, 2021, 294, 102473.	7.0	167
6410	Biosensor Technologies for Early Detection and Quantification of Plant Pathogens. Frontiers in Chemistry, 2021, 9, 636245.	1.8	36
6411	Probing Selective Self-Assembly of Putrescine Oxidase with Controlled Orientation Using a Genetically Engineered Peptide Tag. Langmuir, 2021, 37, 7536-7547.	1.6	5
6412	Elucidating the Mechanism of Condensation-Mediated Degradation of Organofunctional Silane Self-Assembled Monolayer Coatings. ACS Applied Materials & Interfaces, 2021, 13, 34923-34934.	4.0	30
6413	Chain-Length Dependence of Optical Properties for an Alkanethiol Monolayer on an Ultrathin Gold Film Revealed via Reflected Light Microscopy. Journal of Physical Chemistry C, 2021, 125, 14991-14999.	1.5	7
6414	Bridging Gaussian Density Fluctuations from Microscopic to Macroscopic Volumes: Applications to Non-Polar Solute Hydration Thermodynamics. Journal of Physical Chemistry B, 2021, 125, 8152-8164.	1.2	5
6415	Peptide-Enabled Targeted Delivery Systems for Therapeutic Applications. Frontiers in Bioengineering and Biotechnology, 2021, 9, 701504.	2.0	27
6416	Substrate Materials for Biomolecular Immobilization within Electrochemical Biosensors. Biosensors, 2021, 11, 239.	2.3	23

#	Article	IF	CITATIONS
6417	Label-Free Electrochemical Test of Protease Interaction with a Peptide Substrate Modified Gold Electrode. Chemosensors, 2021, 9, 199.	1.8	4
6418	Continuous Injection Isothermal Titration Calorimetry for In Situ Evaluation of Thermodynamic Binding Properties of Ligand–Receptor Binding Models. Journal of Physical Chemistry B, 2021, 125, 8075-8087.	1.2	6
6419	Comparative study of structural order, thermal desorption behavior, and work function change of self-assembled monolayers of pentafluorobenzenethiols and tetrafluorobenzenethiols on Au(1 1 1). Applied Surface Science, 2021, 555, 149671.	3.1	15
6420	Improving basalt wettability to de-risk CO2 geo-storage in basaltic formations. Advances in Geo-Energy Research, 2021, 5, 347-350.	3.1	14
6421	Oligothiophene Phosphonic Acids for Self-Assembled Monolayer Field-Effect Transistors. ACS Applied Materials & Interfaces, 2021, 13, 32461-32466.	4.0	7
6422	Nanoscale cooperative adsorption for materials control. Nature Communications, 2021, 12, 4287.	5.8	26
6424	High-yield parallel fabrication of quantum-dot monolayer single-electron devices displaying Coulomb staircase, contacted by graphene. Nature Communications, 2021, 12, 4307.	5.8	2
6425	Preparation of Ultrathin Gold Films with Subatomic Surface Roughness. Langmuir, 2021, 37, 9472-9477.	1.6	5
6426	Loading Linear Arrays of Cu ^{II} Inside Aromatic Amide Helices. Angewandte Chemie - International Edition, 2021, 60, 18461-18466.	7.2	10
6427	Avoiding the Centerâ€Symmetry Trap: Programmed Assembly of Dipolar Precursors into Porous, Crystalline Molecular Thin Films. Advanced Materials, 2021, 33, e2103287.	11.1	14
6428	Interaction of M@Au12 nanocluster (MÂ=ÂAu, Ag, Pd, and Pt) with different forms of cysteine (uncharged, cationic, anionic, and zwitterion) via the Au-S bond. Journal of Molecular Liquids, 2021, 334, 116090.	2.3	1
6430	Electrocatalytic Sensor for Hydrogen Peroxide Based on Immobilized Benzoquinone. Electroanalysis, 2021, 33, 2062-2070.	1.5	2
6431	Enhancing electrocatalytic N2-to-NH3 fixation by suppressing hydrogen evolution with alkylthiols modified Fe3P nanoarrays. Nano Research, 2022, 15, 1039-1046.	5.8	74
6432	Loading Linear Arrays of Cu II Inside Aromatic Amide Helices. Angewandte Chemie, 2021, 133, 18609-18614.	1.6	2
6433	Emerging Multimodel Zirconia Nanosystems for Highâ€Performance Biomedical Applications. Advanced NanoBiomed Research, 2021, 1, 2100039.	1.7	17
6434	Engineered tyrosinases with broadened bio-catalysis scope: immobilization using nanocarriers and applications. 3 Biotech, 2021, 11, 365.	1.1	6
6435	Laboratory assessment on factors controlling the acoustic properties of carbonates: A case study from Bombay offshore. Journal of Petroleum Science and Engineering, 2021, 203, 108607.	2.1	9
6436	Spray coating vs. immersion for self-assembly of gemini perfluorinated phosphonic acids on indium tin oxide. Thin Solid Films, 2021, 732, 138783.	0.8	5

#	Article	IF	CITATIONS
6437	Silicon Electrodes Functionalized with Perylene Bisimide π-Aggregates for Redox-Controlled Stabilization of Semiconducting Nanointerfaces. ACS Applied Nano Materials, 2021, 4, 8813-8822.	2.4	4
6438	Production of Au/phosphonium polymer nanoparticles. European Polymer Journal, 2021, 156, 110599.	2.6	3
6439	Effect of Polymer Chain Length on the Superlattice Assembly of Functionalized Gold Nanoparticles. Langmuir, 2021, 37, 10143-10149.	1.6	10
6440	High Stability Au NPs: From Design to Application in Nanomedicine. International Journal of Nanomedicine, 2021, Volume 16, 6067-6094.	3.3	21
6441	Protein blocking inhibits ambient degradation of self-assembled monolayers for affinity biosensing. Applied Surface Science, 2021, 557, 149843.	3.1	2
6442	An electrochemical aptasensor based on AuPt alloy nanoparticles for ultrasensitive detection of amyloid-β oligomers. Talanta, 2021, 231, 122360.	2.9	30
6443	Enhancing oil recovery using silica nanoparticles: Nanoscale wettability alteration effects and implications for shale oil recovery. Journal of Petroleum Science and Engineering, 2021, 203, 108897.	2.1	27
6444	The density-of-States and equilibrium charge dynamics of redox-active switches. Electrochimica Acta, 2021, 387, 138410.	2.6	8
6445	Cyano-Substituted Triptycene-Based Monolayers on Au(111): Tripodal Adsorption, Dipole Engineering, and Charge Transfer. Journal of Physical Chemistry C, 2021, 125, 18968-18978.	1.5	9
6446	Nanoarchitectonics for Hierarchical Fullerene Nanomaterials. Nanomaterials, 2021, 11, 2146.	1.9	21
6447	Molecular Conformation in Charge Tunneling across Large-Area Junctions. Journal of the American Chemical Society, 2021, 143, 13878-13886.	6.6	9
6448	Strain sensors fabricated by surface assembly of nanoparticles. Biosensors and Bioelectronics, 2021, 186, 113268.	5.3	28
6449	Challenges for impedimetric affinity sensors targeting proteinÂdetection. Current Opinion in Electrochemistry, 2021, 28, 100717.	2.5	18
6450	Dependence of clay wettability on gas density. , 2021, 11, 1066-1075.		4
6451	Nanoporous Metallic Films. , 0, , .		0
6452	Recent progress of vibrational spectroscopic study on the interfacial structure of biomimetic membranes. Chinese Journal of Analytical Chemistry, 2021, 49, 1-1.	0.9	0
6453	Electrochemical properties of tethered lipid bilayers on thin film silver substrates. Electrochimica Acta, 2021, 389, 138726.	2.6	4
6454	Perspective on Quantum Electrochemistry. A Simple Method for Measuring the Electron Transfer Rate Constant. Electrochimica Acta, 2021, , 139219.	2.6	8

#	Article	IF	CITATIONS
6455	Odd–Even Effect in Peptide SAMs—Competition of Secondary Structure and Molecule–Substrate Interaction. Journal of Physical Chemistry B, 2021, 125, 10964-10971.	1.2	3
6456	<i>Para</i> -Fluoro-Thiol Reaction on Anchor Layers Grafted from an Aryldiazonium Salt: A Tool for Surface Functionalization with Thiols. Langmuir, 2021, 37, 11397-11405.	1.6	3
6457	Hydrogen Atom Abstraction by Heterogeneous–Homogeneous Hybrid Catalyst of CeO ₂ and 2-Cyanopyridine via Redox of CeO ₂ for C–H Bond Oxidation with Air. ACS Catalysis, 2021, 11, 11867-11872.	5.5	5
6458	A novel electrochemical aptasensor for exosomes determination and release based on specific host-guest interactions between cucurbit [7]uril and ferrocene. Talanta, 2021, 232, 122451.	2.9	17
6459	Validating the Mott Formula with Self-Assembled Monolayer (SAM)-Based Large-Area Junctions: Effect of Length, Backbone, Spacer, Substituent, and Electrode on the Thermopower of SAMs. Journal of Physical Chemistry C, 2021, 125, 20035-20047.	1.5	22
6460	Lipids: An Atomic Toolkit for the Endless Frontier. ACS Nano, 2021, 15, 15429-15445.	7.3	11
6461	Elucidating the Mechanisms Underlying the Signal Drift of Electrochemical Aptamer-Based Sensors in Whole Blood. ACS Sensors, 2021, 6, 3340-3347.	4.0	48
6462	A Phaseolus vulgaris Leukoagglutinin Biosensor as a Selective Device for the Detection of Cancerâ€associated N â€glycans with Increased β1→6 Branching. Electroanalysis, 0, , .	1.5	0
6463	Effect of CO2 Flooding on the Wettability Evolution of Sand-Stone. Energies, 2021, 14, 5542.	1.6	12
6464	Fabrication and durability characterization of superhydrophobic and lubricant-infused surfaces. Journal of Colloid and Interface Science, 2022, 608, 662-672.	5.0	18
6465	Competition of ion-pair during the transition from hydrogen bonding to electrostatic interaction on self-assembled monolayer. Electrochimica Acta, 2021, , 139310.	2.6	2
6466	Growth of ordered two-dimensional cobalt phthalocyanine films on a one-dimensional substrate. Applied Physics Letters, 2021, 119, .	1.5	1
6467	Thermal Stability of Alkanethiolate and Aromatic Thiolate Self-Assembled Monolayers on Au(111): An X-ray Photoelectron Spectroscopy Study. Journal of Physical Chemistry C, 2021, 125, 21754-21763.	1.5	21
6468	Atom Probe Study of 1-Octadecanethiol Self-Assembled Monolayers on Platinum (111) and (200) Surfaces. Microscopy and Microanalysis, 2022, 28, 1300-1309.	0.2	3
6469	Biphenyl substituted lysine derivatives as recognition elements for the matrix metalloproteinases MMP-2 and MMP-9. Bioorganic Chemistry, 2021, 115, 105155.	2.0	7
6470	Chemical-recognition-driven selectivity of SnO2-nanowire-based gas sensors. Nano Today, 2021, 40, 101265.	6.2	25
6471	Advancements for organic thin film transistors: Structures, materials, performance parameters, influencing factors, models, fabrication, reliability and applications. Materials Science in Semiconductor Processing, 2021, 133, 105975.	1.9	34
6472	Assessment of CO2/shale interfacial tension. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 627, 127118.	2.3	46

#	Article	IF	CITATIONS
6473	Nanoscale Metal-Organic Frameworks: Recent developments in synthesis, modifications and bioimaging applications. Chemosphere, 2021, 281, 130717.	4.2	45
6474	Highly selective and sensitive sandwich immunosensor platform modified with MUA-capped GNPs for detection of spike Receptor Binding Domain protein: A precious marker of COVID 19 infection. Sensors and Actuators B: Chemical, 2021, 345, 130355.	4.0	36
6475	The adhesion of L-methionine amino acid through Dip Pen Nanolithography on silver thin films grown by Molecular Beam Epitaxy technique. Journal of Molecular Structure, 2021, 1244, 131247.	1.8	3
6476	Modulation of work function of ITO by self-assembled monolayer and its effect on device characteristics of inverted perovskite solar cells. Organic Electronics, 2021, 98, 106297.	1.4	15
6477	Meso-scale surface patterning of self-assembled monolayers with water. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 628, 127353.	2.3	2
6478	Click chemistry: An efficient tool to control the functionalization of metallic surfaces with alkyl chains possessing two reactive end groups. Applied Surface Science, 2021, 566, 150731.	3.1	2
6479	Influence of pressure, temperature and organic surface concentration on hydrogen wettability of caprock; implications for hydrogen geo-storage. Energy Reports, 2021, 7, 5988-5996.	2.5	111
6480	Inhibition performance of benzimidazole derivatives with different heteroatoms on the under-deposit corrosion of carbon steel in CO2-saturated solution. Corrosion Science, 2021, 192, 109841.	3.0	32
6481	Anti-fouling peptide functionalization of ultraflexible neural probes for long-term neural activity recordings in the brain. Biosensors and Bioelectronics, 2021, 192, 113477.	5.3	13
6482	Development of an electrochemical sensor for nitric oxide based on carbon paste electrode modified with Nafion, gold nanoparticles and graphene nanoribbons. Sensors and Actuators B: Chemical, 2021, 346, 130532.	4.0	22
6483	A novel enhanced enrichment glucose oxidase@ZIF-8 biomimetic strategy with 3-mercaptophenylboronic acid for highly efficient catalysis of glucose. Colloids and Surfaces B: Biointerfaces, 2021, 208, 112034.	2.5	12
6484	Reduction of leakage current in amorphous Oxide-Semiconductor Top-gated thin film transistors by interface engineering with dipolar Self-Assembled monolayers. Applied Surface Science, 2021, 569, 151029.	3.1	8
6485	Covalent attachment of three derivatives of pegylated RGD peptides on the NH2-terminated silicon surfaces: Impact on fibroblast cell behavior. Biochimica Et Biophysica Acta - Biomembranes, 2021, 1863, 183770.	1.4	0
6486	Hydrogen wettability of quartz substrates exposed to organic acids; Implications for hydrogen geo-storage in sandstone reservoirs. Journal of Petroleum Science and Engineering, 2021, 207, 109081.	2.1	91
6487	Convenient preparation of stimulus-responsive molecular layers containing anthracene molecules to control surface properties. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 630, 127547.	2.3	3
6488	Western Australia basalt-CO2-brine wettability at geo-storage conditions. Journal of Colloid and Interface Science, 2021, 603, 165-171.	5.0	46
6489	Wavelength modulation based surface plasmon resonance sensor for detection of cardiac marker proteins troponin I and troponin T. Sensors and Actuators A: Physical, 2021, 332, 113104.	2.0	17
6490	Delivery of therapeutic oligonucleotides in nanoscale. Bioactive Materials, 2022, 7, 292-323.	8.6	29

#	Article	IF	Citations
6491	Effects of cleaning process using toluene and acetone on water-wet-quartz/CO2 and oil-wet-quartz/CO2 wettability. Journal of Petroleum Science and Engineering, 2022, 208, 109555.	2.1	24
6492	Thiolate end-group regulates ligand arrangement, hydration and affinity for small compounds in monolayer-protected gold nanoparticles. Journal of Colloid and Interface Science, 2022, 607, 1373-1381.	5.0	4
6493	Nanocosmeceuticals: Novel and Advanced Self-Care Materials. , 2021, , 1-26.		0
6494	HPLC-Based Automated Oligosaccharide Synthesis. , 2021, , 623-636.		3
6495	A PEGDA hydrogel nanocomposite to improve gold nanoparticles stability for novel plasmonic sensing platforms. Journal of Applied Physics, 2021, 129, .	1.1	27
6496	Metallic nanoparticles in drug delivery and cancer treatment. , 2021, , 107-119.		7
6497	A near-infrared fluorogenic probe for nuclear thiophenol detection. Chemical Communications, 2021, 57, 2800-2803.	2.2	13
6498	Nanotechnological immunoassay for rapid label-free analysis of candidate malaria vaccines. Nanoscale, 2021, 13, 2338-2349.	2.8	11
6499	Surface properties modulate protein corona formation and determine cellular uptake and cytotoxicity of silver nanoparticles. Nanoscale, 2021, 13, 14119-14129.	2.8	20
6500	Electron-Equivalent Valency through Molecularly Well-Defined Multivalent DNA. Journal of the American Chemical Society, 2021, 143, 1752-1757.	6.6	13
6501	Molecular configuration-mediated thermo-responsiveness in oligo(ethylene glycol) derivatives attached on gold nanoparticles. Nanoscale Advances, 2021, 3, 3762-3769.	2.2	6
6502	Artificial Photosynthesis: Is Computation Ready for the Challenge Ahead?. Nanomaterials, 2021, 11, 299.	1.9	3
6503	Leveraging the Assembly of a Rylene Dye to Tune the Semiconducting Properties of Functionalized n-Type, Hybrid Si Interfaces. ACS Applied Materials & Interfaces, 2021, 13, 4665-4675.	4.0	6
6504	Building ordered nanoparticle assemblies inspired by atomic epitaxy. Physical Chemistry Chemical Physics, 2021, 23, 20028-20037.	1.3	1
6505	Photoacoustics for listening to metal nanoparticle super-aggregates. Nanoscale Advances, 2021, 3, 4692-4701.	2.2	13
6506	Predicting ligand removal energetics in thiolate-protected nanoclusters from molecular complexes. Nanoscale, 2021, 13, 2034-2043.	2.8	7
6507	Energy-Selective Decomposition of Organometallic Compounds by Slow Electrons: The Case of Chloro(dimethyl sulfide)gold(I). Journal of Physical Chemistry A, 2021, 125, 966-972.	1.1	2
6508	Bioinspired dopamine and zwitterionic polymers for non-fouling surface engineering. Chemical Society Reviews, 2021, 50, 11668-11683.	18.7	120

#	Article	IF	Citations
6509	One Nanometer Wide Functional Patterns with a Sub-10 Nanometer Pitch Transferred to an Amorphous Elastomeric Material. ACS Nano, 2021, 15, 1426-1435.	7.3	16
6510	Alkylthiol surface engineering: an effective strategy toward enhanced electrocatalytic N ₂ -to-NH ₃ fixation by a CoP nanoarray. Journal of Materials Chemistry A, 2021, 9, 13861-13866.	5.2	83
6511	Gold nanoparticle-mediated non-covalent functionalization of graphene for field-effect transistors. Nanoscale Advances, 2021, 3, 1404-1412.	2.2	8
6512	Selective colorimetric sensing of sub-nanomolar Hg ²⁺ based on its significantly enhancing peroxidase mimics of silver/copper nanoclusters. Analyst, The, 2021, 146, 4630-4635.	1.7	20
6519	Stimuli-Responsive Polymer Brushes. , 0, , 125-144.		2
6520	Toward Printed Molecular Electronics: Direct Printing of Liquid Metal Microelectrode on Selfâ€Assembled Monolayers. Advanced Electronic Materials, 2021, 7, 2000829.	2.6	16
6522	Selfâ€Assembled Monolayers of Alkanethioacetates on Au(111) in Ammonium Hydroxide Solution. Bulletin of the Korean Chemical Society, 2021, 42, 252-257.	1.0	3
6523	eSensor®A Microarray Technology Based on Electrochemical Detection of Nucleic Acids and Its Application to Cystic Fibrosis Carrier Screening. , 2009, , 247-260.		2
6524	Main Concepts of Chemical and Biological Sensing. , 2009, , 25-60.		1
6525	Probing the Energy Landscape of Protein-Binding Reactions by Dynamic Force Spectroscopy. , 2009, , 407-447.		5
6526	Anisotropically Conductive Adhesives/Films (ACA/ACF). , 2010, , 227-278.		3
6527	QUANTUM DOT BIO-TEMPLATE FOR RAPID DETECTION OF PATHOGENIC SUBSTANCES. , 2006, , 159-173.		1
6528	Specimen Preparation. Springer Series in Materials Science, 2012, , 71-110.	0.4	6
6529	Optical Tweezers-Based Measurements of Forces and Dynamics at Microtubule Ends. Methods in Molecular Biology, 2017, 1486, 411-435.	0.4	5
6530	Spatial Control of Biological Ligands on Surfaces Applied to T Cell Activation. Methods in Molecular Biology, 2017, 1584, 307-331.	0.4	5
6531	Label-Free Nanoplasmonic Biosensing of Cancer Biomarkers for Clinical Diagnosis. Methods in Molecular Biology, 2019, 2027, 115-140.	0.4	1
6532	Electrical Manipulation of DNA on Metal Surfaces. , 2008, , 187-214.		1
6533	Microcontact Printing. Methods in Molecular Biology, 2011, 671, 239-248.	0.4	3

#	Article	IF	CITATIONS
6534	Progress Report on Microstructured Surfaces Based on Chemical Vapor Deposition. Methods in Molecular Biology, 2011, 671, 261-279.	0.4	1
6535	The Electrochemistry of Peptide Self-Assembled Monolayers. , 2016, , 503-560.		4
6536	Modification of Electrode Interfaces with Nanosized Materials for Electronic Applications. Advances in Atom and Single Molecule Machines, 2017, , 399-416.	0.0	3
6537	Self-Assembled Monolayers on Aluminum and Copper Oxide Surfaces: Surface and Interface Characteristics, Nanotribological Properties, and Chemical Stability. , 2008, , 235-281.		21
6538	Organometallic Nanojunctions Probed by Different Chemistries: Thermo-, Photo-, and Mechano-Chemistry. Advances in Solid State Physics, 2009, , 219-235.	0.8	8
6540	Surface Modification Using Reactive Landing of Mass-Selected Ions. Particle Acceleration and Detection, 2009, , 37-65.	0.3	9
6541	Surface Tension-Driven Self-Assembly. Microtechnology and MEMS, 2013, , 227-253.	0.2	4
6542	Grafting Kinetics of Polymer Chains. Springer Briefs in Molecular Science, 2013, , 33-44.	0.1	2
6544	Thin Film Biosensors. Biological and Medical Physics Series, 2013, , 265-300.	0.3	5
6545	Electrochemical Detection of 2,4,6-Trinitrotoluene at Colloidal Gold Nanoparticle Film Assemblies. NATO Science for Peace and Security Series A: Chemistry and Biology, 2015, , 147-160.	0.5	1
6546	Thin films on silicon. , 2020, , 133-213.		4
6547	Modification of surfaces of silver nanoparticles for controlled deposition of silicon, manganese, and titanium dioxides. Applied Surface Science, 2018, 427, 334-339.	3.1	13
6548	Carbon dioxide wettability of South West Hub sandstone, Western Australia: Implications for carbon geo-storage. International Journal of Greenhouse Gas Control, 2020, 98, 103064.	2.3	26
6549	Composite Structured Surfaces for Durable Dropwise Condensation. International Journal of Heat and Mass Transfer, 2020, 156, 119890.	2.5	25
6551	Homogeneous Dispersion of Aromatic Thiolates in the Binary Self-Assembled Monolayer on Au(111) via Displacement Revealed by Tip-Enhanced Raman Spectroscopy. Journal of Physical Chemistry C, 2020, 124, 13141-13149.	1.5	12
6552	Electron-Induced Modification of Self-Assembled Monolayers of Aromatic Carboxylic Acids. Journal of Physical Chemistry C, 2020, 124, 25107-25120.	1.5	4
6553	Thermotriggered Catalyst-Free Modification of a Glass Surface with an Orthogonal Agent Possessing Nitrile <i>N</i> -Oxide and Masked Ketene Functions. Langmuir, 2016, 32, 309-315.	1.6	16
6554	Unoccupied Interface and Molecular States in Thiol and Dithiol Monolayers. Langmuir, 2017, 33, 12056-12064.	1.6	12

#	Article	IF	CITATIONS
6555	Exposure of biosynthesized nanoscale ZnO to Brassica juncea crop plant: morphological, biochemical and molecular aspects. Scientific Reports, 2020, 10, 8531.	1.6	38
6556	Chapter 6. Surface Chemistry in SPR Technology. , 0, , 171-254.		5
6557	CHAPTER 4. Thiol–Thiosulfonate Chemistry in Polymer Science: Simple Functionalization of Polymers via Disulfide Linkages. RSC Polymer Chemistry Series, 2013, , 76-94.	0.1	1
6558	Biosensor Technology and the Clinical Biochemistry Laboratory – Issue of Signal Interference from the Biological Matrix. RSC Detection Science, 2013, , 1-34.	0.0	4
6559	Highly selective sensor for the detection of Hg ²⁺ ions using homocysteine functionalised quartz crystal microbalance with crossâ€inked pyridinedicarboxylic acid. IET Nanobiotechnology, 2020, 14, 563-573.	1.9	9
6560	Characterisation of a bisâ€ferrocene molecular QCA wire on a nonâ€ideal gold surface. Micro and Nano Letters, 2019, 14, 22-27.	0.6	14
6561	Wettability measurements on two sandstones: an experimental investigation before and after CO2 flooding. APPEA Journal, 2020, 60, 117.	0.4	3
6562	A synergistic antibacterial platform: combining mechanical and photothermal effects based on Van-MoS ₂ –Au nanocomposites. Nanotechnology, 2021, 32, 085102.	1.3	7
6564	Area-selective atomic layer deposition of dielectric-on-dielectric for Cu/low-k dielectric patterns. , 2019, , .		3
6565	Adsorption of 2-thiobarbituric acid at the electrochemical interface: Contrasted behaviours on mercury and gold. Collection of Czechoslovak Chemical Communications, 2009, 74, 1583-1597.	1.0	1
6566	Modelling Organic-Inorganic Hybrid Interfaces. World Scientific Series in Nanoscience and Nanotechnology, 2019, , 3-40.	0.1	1
6567	Controlled Formation of Nanostructures with Desired Geometries. , 2009, , 937-954.		1
6568	Biodetoxification of Water Contaminated by OP Using the PTE. , 2012, , 80-83.		1
6569	Self-Assembled Monolayers. , 2013, , 3-29.		1
6570	Electrical Double-Layer Effects on Electron Transfer and Ion Transport at the Nanoscale. , 2015, , 44-87.		2
6571	Microcantilever biosensor: sensing platform, surface characterization and multiscale modeling. Smart Structures and Systems, 2011, 8, 17-37.	1.9	5
6572	Ultrasensitive THz biosensor for PCR-free cDNA detection based on frequency selective surfaces. Biomedical Optics Express, 2020, 11, 448.	1.5	24
6573	Complex refractive index measurement for atomic-layer materials via surface plasmon resonance holographic microscopy. Optics Letters, 2019, 44, 2982.	1.7	10

#	Article	IF	CITATIONS
6574	Gold Nanoparticle Delivery of Modified CpG Stimulates Macrophages and Inhibits Tumor Growth for Enhanced Immunotherapy. PLoS ONE, 2013, 8, e63550.	1.1	118
6575	Investigation of Bovine Serum Albumin (BSA) Attachment onto Self-Assembled Monolayers (SAMs) Using Combinatorial Quartz Crystal Microbalance with Dissipation (QCM-D) and Spectroscopic Ellipsometry (SE). PLoS ONE, 2015, 10, e0141282.	1.1	154
6576	Force Curve Measurements between n-Decanethiol Self-Assembled Monolayers in Inert Solvent and in Electrochemical Environment. E-Journal of Surface Science and Nanotechnology, 2009, 7, 731-736.	0.1	2
6577	A Study on the Plasma-Treated Surfaces of MgO(100) and Quartz Substrates by Infrared Multiple-Angle Incidence Resolution Spectrometry. E-Journal of Surface Science and Nanotechnology, 2012, 10, 229-233.	0.1	5
6578	Adsorption Processes of Thiolated Cyclodextrins on Au(111) Substrates: A Way to Organize Ordered Structures of "Bulky" Molecules on Solid Substrates. Hyomen Kagaku, 2008, 29, 495-497.	0.0	1
6579	A Review on the Influence of Applied Potential on Different Electrical Properties of Self-Assembled Monolayers (SAMs) of Alkanethiols on Gold (Au) Surface. International Journal of Material and Mechanical Engineering, 2015, 4, 55.	0.5	3
6580	Applications of the Atomic Force Microscope in the Development of Propellant-based Inhalation Formulations. KONA Powder and Particle Journal, 2008, 26, 106-128.	0.9	5
6581	Detection of Surfactants Using Surface Plasmon Resonance Sensor for Screening of Pesticide Residue. IEEJ Transactions on Sensors and Micromachines, 2013, 133, 14-19.	0.0	1
6582	The Synthesis of Diquinone and Dihydroquinone Derivatives of Calix[4]arene and Electrochemical Characterization on Au(111) surface. Acta Chimica Slovenica, 2016, 63, 496-508.	0.2	5
6584	Nonfouling Self-Assembled Monolayers: Mechanisms Underlying Protein and Cell Resistance. Current Physical Chemistry, 2011, 1, 90-98.	0.1	20
6585	Theranostic Metallic Nanomedicine in Oncology: New Insights and Concerns. , 2014, , 262-291.		2
6586	The Effects of Titanium Implant Surface Topography on Osseointegration: Literature Review. JMIR Biomedical Engineering, 2019, 4, e13237.	0.7	14
6587	A Nonlocal Strain Gradient Shell Model for Free Vibration Analysis of Functionally Graded Shear Deformable Nanotubes. International Journal of Engineering and Applied Sciences, 2017, 9, 88-88.	0.1	8
6589	Importance of Nano Medicine and New Drug Therapies for Cancer. Advanced Pharmaceutical Bulletin, 2021, 11, 450-457.	0.6	23
6590	Synthesis, electronic properties and self-assembly on Au{111} of thiolated (oligo)phenothiazines. Beilstein Journal of Organic Chemistry, 2010, 6, .	1.3	12
6591	Advanced drug delivery via self-assembled monolayer-coated nanoparticles. AIMS Bioengineering, 2017, 4, 275-299.	0.6	16
6592	Hydrophilic surfaces via the self-assembly of nitrile-terminated alkanethiols on gold. AIMS Materials Science, 2018, 5, 171-189.	0.7	2
6593	Introduction of Heteroarene Functionality on the Bipedal-Thiol-Capped Gold Nanoparticle by Deprotonative C-H Coupling with Palladium Complex. Heterocycles, 2014, 88, 213.	0.4	2

#	Article	IF	CITATIONS
6595	Functional Polymeric Coatings. Advances in Chemical and Materials Engineering Book Series, 2016, , 78-104.	0.2	3
6596	Surface modification techniques for zirconia-based bioceramics: A review. Journal of Pharmacy and Bioallied Sciences, 2019, 11, 131.	0.2	27
6597	Synergistic Effect of Fullerene-Capped Gold Nanoparticles on Graphene Electrochemical Supercapacitors. Advances in Nanoparticles, 2013, 02, 1-5.	0.3	23
6598	Self-Assembled Monolayers (SAMs): Which Perspectives in Implant Dentistry?. Journal of Biomaterials and Nanobiotechnology, 2011, 02, 533-543.	1.0	22
6599	Front-side Texturing of Crystalline Silicon Solar Cell by Micro-contact Printing. Journal of the Korean Institute of Electrical and Electronic Material Engineers, 2013, 26, 841-845.	0.0	1
6600	Structure and Electrochemical Behavior of Aromatic Thiol Self-Assembled Monolayers on Au(111). Bulletin of the Korean Chemical Society, 2006, 27, 403-406.	1.0	32
6601	Formation and Structure of Cyclopentanethiol Self-Assembled Monolayers on Au(111). Bulletin of the Korean Chemical Society, 2006, 27, 944-946.	1.0	4
6602	Formation and Annealing Effect of Tolanethioacetate Self-Assembled Monolayers on Au(111). Bulletin of the Korean Chemical Society, 2007, 28, 2445-2448.	1.0	5
6603	Effect of Solution Temperature on the Structure of Thioacetyl-terminated Tolane Self-assembled Monolayers on Au(111). Bulletin of the Korean Chemical Society, 2008, 29, 1105-1106.	1.0	6
6604	Self-Assembled Monolayers of Dioctyl Diselenides on Au(111). Bulletin of the Korean Chemical Society, 2008, 29, 1229-1232.	1.0	10
6605	pH-Dependent Stability of Self-Assembled Monolayers on Gold. Bulletin of the Korean Chemical Society, 2008, 29, 1843-1846.	1.0	28
6606	1,n-Alkanedithiol (n = 2, 4, 6, 8, 10) Self-Assembled Monolayers on Au(111): Electrochemical and Theoretical Approach. Bulletin of the Korean Chemical Society, 2009, 30, 2549-2554.	1.0	9
6607	Formation and Structure of Self-Assembled Monolayers of Octylthioacetates on Au(111) in Catalytic Tetrabutylammonium Cyanide Solution. Bulletin of the Korean Chemical Society, 2009, 30, 441-444.	1.0	14
6608	Influence of Surface Funcitionalities of Self-Assembled Monolayers on the Adsorption of Gold Nanoparticles. Bulletin of the Korean Chemical Society, 2009, 30, 999-1000.	1.0	3
6609	Comparative Study of Tetrahydrothiophene and Thiophene Self Assembled Monolayers on Au(111): Structure and Molecular Orientation. Bulletin of the Korean Chemical Society, 2009, 30, 1755-1759.	1.0	8
6610	Heterogeneous Electron Transfer at Polyoxometalate-modified Electrode Surfaces. Bulletin of the Korean Chemical Society, 2010, 31, 104-111.	1.0	4
6611	Preparation of Gold Nanoisland Arrays from Layer-by-Layer Assembled Nanoparticle Multilayer Films. Bulletin of the Korean Chemical Society, 2010, 31, 291-297.	1.0	6
6612	Coexistence of Closely Packed c(4 × 2) and Striped Phases in Self-Assembled Monolayers of Decylthiocyanates on Au(111). Bulletin of the Korean Chemical Society, 2010, 31, 901-904.	1.0	3

#	Article	IF	CITATIONS
6613	Electrochemical Properties of Alkanethiol Monolayers Adsorbed on Nanoporous Au Surfaces. Bulletin of the Korean Chemical Society, 2010, 31, 3407-3410.	1.0	11
6614	Effects of Solvent on the Structure of Octanethiol Self-Assembled Monolayers on Au(111) at a High Solution Temperature. Bulletin of the Korean Chemical Society, 2010, 31, 2137-2138.	1.0	13
6615	Direct Adsorption and Molecular Self-Assembly of Octylthioacetates on Au(111) in the Vapor Phase. Bulletin of the Korean Chemical Society, 2011, 32, 39-40.	1.0	8
6616	The Characteristic Self-assembly of Gold Nanoparticles over Indium Tin Oxide (ITO) Substrate. Bulletin of the Korean Chemical Society, 2011, 32, 1133-1137.	1.0	1
6617	Surface Structures and Thermal Desorption Behaviors of Cyclopentanethiol Self-Assembled Monolayers on Au(111). Bulletin of the Korean Chemical Society, 2011, 32, 1253-1257.	1.0	6
6618	Phase Transition of Octaneselenolate Self-assembled Monolayers on Au(111) Studied by Scanning Tunneling Microscopy. Bulletin of the Korean Chemical Society, 2011, 32, 2623-2627.	1.0	8
6619	Large-Ordered Striped Phase of Didodecyl Sulfide Self-Assembled Monolayers on Au(111). Bulletin of the Korean Chemical Society, 2012, 33, 381-382.	1.0	4
6620	Improved Structural Quality of Aromatic Thiol Self-Assembled Monolayers on Au(111) by Microwave Irradiation. Bulletin of the Korean Chemical Society, 2012, 33, 2479-2480.	1.0	3
6621	Direct, Noncovalent Coating of a Gold Surface with Polymeric Self-Assembled Monolayers. Bulletin of the Korean Chemical Society, 2013, 34, 3541-3542.	1.0	1
6622	Nanoscale Islands of the Self Assembled Monolayer of Alkanethiol. Bulletin of the Korean Chemical Society, 2013, 34, 3790-3794.	1.0	8
6623	Influence of Thiol Molecular Backbone Structure on the Formation and Reductive Desorption of Self-Assembled Aromatic and Alicyclic Thiol Monolayers on Au(111) Surface. Bulletin of the Korean Chemical Society, 2013, 34, 1383-1387.	1.0	12
6624	The Thioacetate-Functionalized Self-Assembled Monolayers on Au: Toward High-Performance Ion-Selective Electrode for Ag ⁺ . Bulletin of the Korean Chemical Society, 2014, 35, 601-604.	1.0	3
6625	Palladium Material Supported on GaAs(001) or Gold for Drug Development. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2010, 68, 920-929.	0.0	3
6626	Development of Supramolecular Sensor Devices Based on Organic Transistors. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2018, 76, 1086-1097.	0.0	1
6627	Monitoring human serum albumin cell cultures using surface plasmon resonance (SPR) spectroscopy. Journal of Sensors and Sensor Systems, 2015, 4, 77-83.	0.6	6
6628	Inorganic nanomaterial-based biocatalysts. BMB Reports, 2011, 44, 77-86.	1.1	33
6629	Polymer brush: a promising grafting approach to scaffolds for tissue engineering. BMB Reports, 2016, 49, 655-661.	1.1	27
6630	2.ã,¢ãƒ—ã,¿ãƒžãƒ¼ã,`用ã,ãŸæ©Ÿèƒ½æ€§é›»æ¥µ. Electrochemistry, 2015, 83, 1085-1090.	0.6	1

#	Article	IF	CITATIONS
6631	Assembly of Ordered Polystyrene Nanoparticles on Self-Assembled Monolayers. Journal of Research Updates in Polymer Science, 2016, 4, 202-209.	0.3	2
6632	Racemic Dimers as Models of Chiral Macrocycles Self-Assembled on Pyrolytic Graphite. SSRN Electronic Journal, 0, , .	0.4	1
6633	Collision, Adhesion, and Oxidation of Single Ag Nanoparticles on a Polysulfide-Modified Microelectrode. Journal of the American Chemical Society, 2021, 143, 16154-16162.	6.6	28
6634	Application of Gold Nanoparticle-Based Materials in Cancer Therapy and Diagnostics. ChemEngineering, 2021, 5, 69.	1.0	17
6635	Amine-Anchored Aromatic Self-Assembled Monolayer Junction: Structure and Electric Transport Properties. Langmuir, 2021, 37, 12223-12233.	1.6	2
6636	Probing IgG1 F _C –Multimodal Nanoparticle Interactions: A Combined Nuclear Magnetic Resonance and Molecular Dynamics Simulations Approach. Langmuir, 2021, 37, 12188-12203.	1.6	6
6637	Molecular Level Structural Characterization of Self-Assembled Monolayers of Functionalized Bidentate Aromatic Thiols. Journal of Physical Chemistry C, O, , .	1.5	0
6638	Self-Assembly of Porous Structures From a Binary Mixture of Lobed Patchy Particles. Frontiers in Physics, 2021, 9, .	1.0	3
6639	Importance of impedance spectroscopy in self-assembled monolayer-based large-area tunnel junctions. Journal Physics D: Applied Physics, 2022, 55, 075301.	1.3	1
6640	Silver Nanoparticle-Mediated Synthesis of Fluorescent Thiolated Gold Nanoclusters. Nanomaterials, 2021, 11, 2835.	1.9	2
6641	Octopusâ€Type Crownâ€Bisphthalocyaninate Anchor for Bottomâ€Up Assembly of Supramolecular Bilayers with Expanded Redoxâ€Switching Capability. Small, 2022, 18, e2104306.	5.2	3
6642	Synthesis and evaluation of novel O-functionalized aminated chitosan derivatives as antibacterial, antioxidant and anticorrosion for 316L stainless steel in simulated body fluid. Journal of Saudi Chemical Society, 2021, 25, 101368.	2.4	7
6643	Influence of organic molecules on wetting characteristics of mica/H2/brine systems: Implications for hydrogen structural trapping capacities. Journal of Colloid and Interface Science, 2022, 608, 1739-1749.	5.0	85
6644	Bombesin Peptide Conjugated Water-Soluble Chitosan Gallate—A New Nanopharmaceutical Architecture for the Rapid One-Pot Synthesis of Prostate Tumor Targeted Gold Nanoparticles. International Journal of Nanomedicine, 2021, Volume 16, 6957-6981.	3.3	10
6645	Nanozyme Catalytic Turnover and Self-Limited Reactions. ACS Nano, 2021, 15, 15645-15655.	7.3	91
6646	Organic compound modification of CeO2 and 2-cyanopyridine hybrid catalyst in carbonate synthesis from CO2 and alcohols. Journal of CO2 Utilization, 2021, 54, 101744.	3.3	6
6648	EC-STMã,'用ã,,ãŸæ©Ÿèf½ç•Œé¢ã®ãfŠãfŽæ§‹é€è§£æž• Electrochemistry, 2005, 73, 916-920.	0.6	1
6649	Methods of phosphor synthesis and related technology. , 2006, , .		0

#	Article	IF	CITATIONS
6650	STM Studies on Molecular Assembly at Solid/Liquid Interfaces. Nanoscience and Technology, 2007, , 65-100.	1.5	0
6651	Photoreactive self assembled monolayers for tuning the surface polarity. Springer Proceedings in Physics, 2009, , 113-117.	0.1	0
6652	Harmonical oscillator and electro-mechanical analogy: an interdiscinary experiment to high precision mass variation measurements. Ecletica Quimica, 2009, 34, 57-75.	0.2	1
6655	Electrochemical surface processes. , 2010, , 195-206.		0
6656	Self-Assembled Plasmonic Nanoparticle Clusters. , 2010, , .		0
6657	"Bottom-up―Approaches for Nanoelectronics. , 0, , .		0
6663	Want to Get High Purity Organic Crystals?. Hyomen Kagaku, 2011, 32, 39-44.	0.0	0
6664	Metallic Nanoparticles: Biological Perspective. , 2011, , 285-298.		1
6665	Fabrication of Dynamic Self-Assembled Monolayers for Cell Migration and Adhesion Studies. Methods in Molecular Biology, 2011, 751, 421-436.	0.4	0
6666	Biomaterial Fabrication by Glycoconjugates. Journal of the Society of Powder Technology, Japan, 2011, 48, 124-131.	0.0	0
6667	Case Study on Construction of Platinum Nanoparticle Stabilized with Decanethiol into Silica Substrate. Trends in Applied Sciences Research, 2011, 6, 204-207.	0.4	1
6668	Construction of Various Self-assembled Films and Their Application as Lubricant Coatings. , 0, , .		0
6669	Temperature Dependence of Molecular Packing in Self-Assembled Monolayer Films. , 2011, , 103-118.		0
6671	Structures of Butylthiolate Self-Assembled Monolayers on Au(111) with Gold Adatoms. Bulletin of the Korean Chemical Society, 2011, 32, 3614-3617.	1.0	0
6672	Oligosaccharides and Glycoco njugates in Reco gnition Processes. , 2011, , .		0
6673	Tailored Synthetic Surfaces to Control Human Pluripotent Stem Cell Self-Renewal. , 2012, , 155-165.		0
6674	Dynamics of collisions of hydroxyl radicals with fluorinated self-assembled monolayers. , 2012, , 79-90.		0
6675	State-of-the-art Plating Technologies : Processes and Perspective. Journal of the Japan Society for Precision Engineering, 2012, 78, 1021-1024.	0.0	0

	Сітатіс	on Report	
#	Article	IF	Citations
6676	Biosensors and Bioassays for Ecological Risk Monitoring and Assessment. , 2012, , 1646-1661.		0
6677	The Use of Peptide Nucleic Acids in Surface Plasmon Resonance for Detection of Red Tide Algae. Springer Protocols, 2012, , 135-150.	0.1	0
6679	Fabrication of Functional Soft Interfaces Using Polymer-Binding Peptides. Hyomen Kagaku, 2012, 33, 21-26.	0.0	0
6680	Influence of protein immobilization methods on surface plasmon resonance measurement of drug-protein interaction. Journal of the Society of Materials Engineering for Resources of Japan, 2012, 24, 20-24.	0.2	0
6681	Theoretical investigation of molecular excited states in polar organic monolayers via an efficient embedding approach. Highlights in Theoretical Chemistry, 2013, , 121-128.	0.0	0
6682	On the kinetics and thermodynamics of S–X (X = H, CH3, SCH3, COCH3, and CN) cleavage in the formation of self-assembled monolayers of alkylthiols on Au(111). Highlights in Theoretical Chemistry, 2013, , 99-109.	0.0	0
6684	Charge Transfer Within Multilayered Films of Gold Nanorods. , 0, , .		0
6685	Synthesis of Novel Copolymer for Selective Biomolecule Immobilization on Gold Surface. Bulletin of the Korean Chemical Society, 2012, 33, 2099-2101.	1.0	0
6686	Batch Electrochemical Cell Results. , 2012, , 99-107.		0
6687	Tip-Induced Modification of Polyoxometalate-Dodecane Thiol Self-Assembled Monolayers on Au(111) during Scanning Tunneling Microscopy Imaging. Bulletin of the Korean Chemical Society, 2012, 33, 3139-3141.	1.0	0
6688	Stabilizing Gold Nanoparticle Bioconjugates in Physiological Conditions by PEGylation. Methods in Molecular Biology, 2013, 1025, 281-289.	0.4	1
6689	Theoretical study of adsorption of propanethiol on Au(111) surface at different coverages. Wuli Xuebao/Acta Physica Sinica, 2013, 62, 223101.	0.2	1
6690	Nanotribology and Wettability of Molecularly Thin Film. , 2013, , 81-110.		0
6691	Immunosensors: Using Antibodies to Develop Biosensors for Detecting Pathogens and Their Toxins. , 2013, , 1-19.		0
6692	Sub-wavelength patterning of self-assembled organic monolayers via non-collinear optical parametric amplifier. , 2013, , .		0
6694	Introduction to Biosensor Technology. RSC Detection Science, 2013, , 1-49.	0.0	0
6695	Effects of Sorption. , 2013, , 115-127.		0
6697	Metal-Based Nanostructures. Integrated Analytical Systems, 2014, , 73-91.	0.4	0

#	Article	IF	CITATIONS
6698	Physical Chemistry of Nonfouling Oligo (Ethylene Oxide)-Terminated Self-Assembled Monolayers. , 2013, , 59-98.		0
6699	Monolayers. Monographs in Electrochemistry, 2014, , 105-137.	0.2	0
6700	Stratified Interpolyelectrolyte Complexes: Fabrication, Structure and Properties. Engineering Materials, 2014, , 299-347.	0.3	4
6701	Smart Surfaces. NIMS Monographs, 2014, , 115-188.	0.1	0
6702	Au Nanoinjectors for Electrotriggered Gene Delivery into the Cell Nucleus. Methods in Molecular Biology, 2015, 1228, 55-65.	0.4	1
6703	Effect of Surface Roughness on the Formation of Micro-Patterns by Soft Lithography. Journal of the Korean Institute of Electrical and Electronic Material Engineers, 2014, 27, 871-876.	0.0	0
6704	Self-Organized Nano- and Micro-structure of Electrochemical Materials by Design of Fabrication Approaches. , 2015, , 1-20.		0
6706	Layer-by-Layer Technology and Its Implications in the Field of Glucose Nanobiosensors. Advances in Chemical and Materials Engineering Book Series, 2015, , 400-437.	0.2	0
6707	Immunosensors: Using Antibodies to Develop Biosensors for Detecting Pathogens and Their Toxins. Toxinology, 2015, , 273-294.	0.2	1
6709	The Electrochemistry of Peptide Self-Assembled Monolayers. , 2015, , 1-48.		0
6710	Synthesis of Functional Materials for Bone Regeneration. , 2015, , 1-8.		0
6711	CHAPTER 8. Anchoring Metallosupramolecular Materials on Solid Substrates: Specific Surface–Molecule Interactions and Self-Assembly. RSC Smart Materials, 2015, , 246-268.	0.1	0
6712	Chapter 2. Development of Microelectrode-based Biosensors for Biomedical Analysis. RSC Detection Science, 2015, , 19-84.	0.0	1
6714	Self-Organized Nano- and Microstructure of Electrochemical Materials by Design of Fabrication Approaches. , 2016, , 1033-1056.		0
6716	Verg., Ecl . X 64-68 e la fine delle Bucoliche . Emerita, Revista De Linguistica Y Filologia Clasica, 2015, 83, 289-307.	0.0	1
6718	Synthesis of Functional Materials for Bone Regeneration. , 2016, , 4010-4017.		0
6719	Self-Assembly of Nanostructures. , 2016, , 3606-3618.		0
6720	Cluster Origin of Solvation Features of C-Nanostructures in Organic Solvents. Advances in Medical Technologies and Clinical Practice Book Series, 2016, , 189-293.	0.3	0

	C	ITATION REPO	ORT	
#	Article	I	F	CITATIONS
6721	Chemisorbed Layers at Interfaces. Monographs in Supramolecular Chemistry, 2016, , 252-302.	(0.2	0
6722	Mikro-Nano-Integration. Technik Im Fokus, 2016, , 117-126.		0.2	0
6723	A Microfluidic Electrochemical Sensor for Detecting the Very Low Concentration Endocrine Disruptor with Self Assembled Monolayer and Preconcentration Technique. Transactions of the Korean Institute of Electrical Engineers, 2016, 65, 628-634.	(0.1	0
6724	Engineering of Bioactive Surfaces. , 2016, , 69-94.			0
6725	Chapter 5 Plasmonic Enhancement. , 2016, , 225-286.			0
6726	Assemblies and Superstructures of Inorganic Colloidal Nanocrystals. Nanostructure Science and Technology, 2017, , 293-335.		0.1	0
6727	Redox-active Immobilized Ionic Liquids and Polymer Ionic Liquids. RSC Smart Materials, 2017, , 225-2	61. (0.1	0
6728	Functional Polymeric Coatings. , 2017, , 648-674.			0
6729	Effects of size and ligand density on the chirality transfer from chiral-ligand-capped nanoparticles to nematic liquid crystals. , 2017, , .			0
6730	Biobased Amphiphilic Materials in Tribology and Related Fields. , 2017, , 249-249.			0
6731	Biobased Lubricant Additives. , 2017, , 401-463.			4
6732	Methods for the High Resolution Analysis of Glycoconjugates. , 2018, , 225-267.			2
6733	Technologien und Materialien f $ ilde{A}$ 1/4r mikrofluidische Systeme. , 2018, , 57-76.			0
6734	Including London Dispersion Forces in Density Functional Theory (DFT + D): Applications to Molecule(Atom)/Surface Phenomena. , 2018, , 1-9.			0
6735	IMPROVING THE SHEET RESISTANCE OF CVD-GRAPHENE FILMS VIA DOPING. Anadolu University Jour Science and Technology: B Theoretical Sciences, 0, , 1-1.	nal of	0.8	2
6736	Preparation of Element-Block Materials Using Inorganic Nanostructures and Their Applications. , 2019, , 219-241.	9,		0
6737	Study on Electron Dynamics at Nanoscale Functional Films. Molecular Science, 2019, 13, A0105.	(0.2	0
6738	Extended-gate field-effect transistor-based pesticide microsensor for the detection of organophosphorus and carbamate. Journal of Micro/ Nanolithography, MEMS, and MOEMS, 2019, 18	, 1.	L.O	1

	CITATION R	CITATION REPORT	
#	Article	IF	Citations
6739	Long-range surface plasmon waveguide biosensors for disease detection. , 2019, , .		0
6740	Elektrokimyasal Biyosensörlerin Geliştirilmesinde Alkanetiol Kendiliğinden Oluşan Tek Katmanlar ile Peptid Nükleik Asit (PNA) Probu. Düzce Üniversitesi Bilim Ve Teknoloji Dergisi, 2019, 7, 1806-1812.	0.2	0
6742	Stability of a phosphonic acid monolayer on aluminum in liquid environments. Japanese Journal of Applied Physics, 2020, 59, SDDA08.	0.8	1
6743	Development of Liquid Handling Technology for Single Blood Drop Analysis. Bunseki Kagaku, 2020, 69, 299-304.	0.1	0
6746	Influence of Structural Dynamics on the Kinetics of Atomic Hydrogen Reactivity with Low-Temperature Alkanethiolate Self-Assembled Monolayers. Journal of Physical Chemistry C, 2021, 125, 24406-24412.	1.5	1
6747	Biofunctionalisation of gallium arsenide with neutravidin. Journal of Colloid and Interface Science, 2022, 608, 2399-2406.	5.0	3
6748	In vivo application of an implantable tri-anchored methylene blue-based electrochemical pH sensor. Biosensors and Bioelectronics, 2022, 197, 113728.	5.3	9
6749	Different interactions of gaseous CH3I with both Ag nanoparticles and Ag+ ions included in mercaptopropyl functionalized silica gels. Colloids and Interface Science Communications, 2021, 45, 100541.	2.0	3
6750	MoS ₂ FET fabrication using adhesion lithography and their application to chemical sensors. Japanese Journal of Applied Physics, 2021, 60, 016504.	0.8	4
6751	Tetrahydrofuran Highly Enhances <scp>SAMDI</scp> Efficiency. Bulletin of the Korean Chemical Society, 2021, 42, 369-371.	1.0	0
6752	Design and synthesis of gold nanostars-based SERS nanotags for bioimaging applications. Nanotheranostics, 2022, 6, 10-30.	2.7	31
6753	Formation and superlattice of long-range and highly ordered alicyclic selenolate monolayers on Au(1) Tj ETQq1 1	0.784314	4 rgBT /Overlo
6754	Unravelling molecular disorder at SAM-functionalized charge injection interfaces in organic field-effect transistors. Organic Electronics, 2022, 100, 106360.	1.4	2
6755	Energetic Ground State Calculations, Electronic Band Structure at Surfaces. Springer Handbooks, 2020, , 471-498.	0.3	0
6756	Spatially Resolved Surface Vibrational Spectroscopies. Springer Handbooks, 2020, , 815-852.	0.3	1
6757	Silicon â^ single molecule â^ silicon circuits. Chemical Science, 2021, 12, 15870-15881.	3.7	7
6758	Imprinting chirality in inorganic nanomaterials for optoelectronic and bio-applications: strategies, challenges, and opportunities. Materials Advances, 2021, 2, 7620-7637.	2.6	9
6759	Unexpected hydrophobicity on self-assembled monolayers terminated with two hydrophilic hydroxyl groups. Nanoscale, 2021, 13, 19604-19609.	2.8	6

#	Article	IF	Citations
6760	Self-assembly of Organic Molecules at Metal Surfaces. Springer Handbooks, 2020, , 967-1004.	0.3	1
6761	Metal-Insulator-Metal as a Biosensing Platfrom. , 2020, , 459-469.		0
6762	Long-Range Plasmonic Waveguide Sensors. Biological and Medical Physics Series, 2020, , 29-55.	0.3	2
6763	New Adsorption-Based Biosensors for Cancer Detections and Role of Nano-medicine in Its Prognosis and Inhibition. , 2020, , 107-140.		0
6764	Stability Behaviour of Monolayer Tetraether Lipids on the Amino-Silanised Silicon Wafer: Comparative Study between Langmuir-Blodgett Monolayers with Self-Assembled Monolayers. Advances in Materials Physics and Chemistry, 2020, 10, 270-281.	0.3	1
6765	Dissecting Biological and Synthetic Soft–Hard Interfaces for Tissue-Like Systems. Chemical Reviews, 2022, 122, 5233-5276.	23.0	32
6766	The growth of nitrosobenzene adlayers on an Au(111) surface: The effect of experimental parameters. Colloids and Interface Science Communications, 2021, 45, 100539.	2.0	1
6767	Influence of Gold/Silver Ratio in Ablative Nanoparticles on Their Interaction with Aptamers and Functionality of the Obtained Conjugates. Bioconjugate Chemistry, 2021, 32, 2439-2446.	1.8	5
6768	Surface Reactions: Bio-catalysis an Emerging Alternative. , 2008, , 43-62.		0
6769	Hydrophilic surfaces via the self-assembly of nitrile-terminated alkanethiols on gold. AIMS Materials Science, 2018, 5, 171-189.	0.7	0
6770	Carboxyl- and amine-functionalized carboranethiol SAMs on Au(111): A dispersion-corrected density functional theory study. Physical Review Materials, 2020, 4, .	0.9	2
6772	Work-function modification of PEG(thiol) adsorbed on the Au(111) surface: A first-principles study. Physical Review Materials, 2020, 4, .	0.9	1
6773	Integration of Individual Functionalized Gold Nanoparticles into Nanoelectrode Configurations: Recent Advances. European Journal of Inorganic Chemistry, 2020, 2020, 3798-3810.	1.0	2
6774	Self Assembled Monolayers and Carbon Nanotubes: A Significant Tool's for Modification of Electrode Surface. Sensor Letters, 2020, 18, 669-685.	0.4	1
6775	Physicochemical characterization of ultrasmall superparamagnetic iron oxide particles (USPIO) for biomedical application as MRI contrast agents. International Journal of Nanomedicine, 2007, 2, 609-22.	3.3	100
6776	Superparamagnetic iron oxide nanoparticles: promises for diagnosis and treatment of cancer. International Journal of Molecular Epidemiology and Genetics, 2011, 2, 367-90.	0.4	65
6779	Recent Advances in the Application of Glycan-Modified Self-Assembled Monolayers. Advances in Chemistry Research, 2020, 60, 95-119.	0.0	0
6780	Assembled Au/ZnO Nano-Urchins for SERS Sensing of the Pesticide Thiram. Nanomaterials, 2021, 11, .	1.9	2

#	Article	IF	CITATIONS
6781	Interface hydrophobic tunnel engineering: A general strategy to boost electrochemical conversion of N2 to NH3. Nano Energy, 2022, 92, 106784.	8.2	33
6782	Theoretical insights into the excited state processes of a novel fluorescent probe for thiophenol with large Stokes shift. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 425, 113691.	2.0	3
6783	Glass-based fluorescent immunobiosensor used for urea albumin fast detection. , 2021, , .		0
6784	Versatile Thiol- and Amino-Functionalized Silatranes for in-situ polymerization and Immobilization of Gold Nanoparticles. Journal of the Taiwan Institute of Chemical Engineers, 2022, 132, 104129.	2.7	6
6785	The stabilization potential of a standing molecule. Science Advances, 2021, 7, eabj9751.	4.7	5
6786	DNAzymeâ€Functionalized Nanomaterials: Recent Preparation, Current Applications, and Future Challenges. Small, 2021, 17, e2105439.	5.2	20
6787	Generation and manipulation of current-induced spin-orbit torques. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2021, 97, 499-519.	1.6	6
6788	The Importance of Electrical Impedance Spectroscopy and Equivalent Circuit Analysis on Nanoscale Molecular Electronic Devices. Advanced Functional Materials, 2022, 32, .	7.8	31
6789	Molecular Screening for Terahertz Detection with Machine-Learning-Based Methods. Physical Review X, 2021, 11, .	2.8	0
6790	The Unusual Dielectric Response of Large Area Molecular Tunnel Junctions Probed with Impedance Spectroscopy. Advanced Electronic Materials, 2022, 8, 2100495.	2.6	10
6791	Synthesis, characterization, and formation of self-assembled monolayers of a phosphonic acid bearing a vinylene-bridged fluoroalkyl chain. Applied Surface Science, 2022, 577, 151959.	3.1	3
6792	Hydrophobicity of Self-Assembled Monolayers of Alkanes: Fluorination, Density, Roughness, and Lennard-Jones Cutoffs. Langmuir, 2021, 37, 13846-13858.	1.6	10
6793	Effectiveness of Biofunctionalization of Titanium Surfaces with Phosphonic Acid. Biomedicines, 2021, 9, 1663.	1.4	5
6794	In Situ BSA (Bovine Serum Albumin) Assisted Electroless Plating Method with Superior Adhesion Property. Advanced Materials Interfaces, 2022, 9, 2101203.	1.9	2
6795	Low-cost and cleanroom-free prototyping of microfluidic and electrochemical biosensors: Techniques in fabrication and bioconjugation. Biomicrofluidics, 2021, 15, 061502.	1.2	8
6796	Interfacial Dynamics, Chemistry, and Photochemistry of Molecular Ligands on Plasmonic Nanoparticle Surfaces: Insights From Surface-Enhanced Raman Spectroscopy. , 2021, , .		0
6797	Biomolecular templates for interfacial nanomaterial assembly. , 2021, , .		0
6798	Spontaneous desorption of protein from self-assembled monolayer (SAM)-coated gold nanoparticles induced by high temperature. Physical Chemistry Chemical Physics, 2022, 24, 2363-2370.	1.3	2

ARTICLE IF CITATIONS Oxygen Interactions with Covalently Grafted 2D Nanometric Carboxyphenyl Thin Filmsâ€"An 6799 1.2 7 Experimental and DFT Study. Coatings, 2022, 12, 49. 6800 Nanoscale self-assembly: concepts, applications and challenges. Nanotechnology, 2022, 33, 132001. 1.3 Synthesis of silver nanoparticles with long-term storability for SERS applications using aqueous 6801 extracts of rice bran: A rapid and green photochemical approach. Journal of Molecular Structure, 1.8 6 2022, 1254, 132338. Effect of Nanoparticle Size on Plasmon-Driven Reaction Efficiency. ACS Applied Materials & amp; 6802 4.0 Interfaces, 2022, 14, 4163-4169. Recent advances in carbon dioxide geological storage, experimental procedures, influencing 6803 4.0 109 parameters, and future outlook. Earth-Science Reviews, 2022, 225, 103895. Development of gold nanoparticle-based visual assay for rapid detection of Escherichia coli specific DNA in milk of cows affected with mastitis. LWT - Food Science and Technology, 2022, 155, 112901. 6804 2.5The Influence of Macrocyclic Tetraamine Immobilization in Langmuir Monolayers on Complex 6805 0.1 1 Formation Selectivity. Russian Journal of Physical Chemistry A, 2008, 82, 623-629. 6806 ĐœĐ¾Đ»ĐμĐ⁰уĐ»ÑÑ€Đ½Đ° ĐÑ–Đ°Đ³Đ½Đ3ÃŇŊ,ĐĐа Đ½Đ° Đ¾ÑĐ½Đ34Đ2Ň– Đ⁰NƒŇ,Đ∄Đ2Đ¾Ñ− ÑĐ;Đ**3**Đ₽₽Ň,Ñ€Đ¾Ñа Assembled Au/ZnO Nano-Urchins for SERS Sensing of the Pesticide Thiram. Nanomaterials, 2021, 11, 2174. 6807 1.9 24 Patterning Functionalized Surfaces of 2D Materials by Nanoshaving. Nanomanufacturing and 1.5 Metrology, 2022, 5, 23-31. Self-assembled monolayer modulated Plateau-Rayleigh instability and enhanced chemical stability of silver nanowire for invisibly patterned, stable transparent electrodes. Nano Research, 2022, 15, 6809 5.8 10 4552-4562. Nanoscale Chemical Imaging of Coadsorbed Thiolate Self-Assembled Monolayers on Au(111) by 6810 3.2 Tip-Enhanced Raman Spectroscopy. Analytical Chemistry, 2022, 94, 1645-1653. Glyco disulfide capped gold nanoparticle synthesis: cytotoxicity studies and effects on lung cancer 6811 1.1 3 A549 cells. Future Medicinal Chemistry, 2022, 14, 307-324. Immobilization of molecule-based ionic liquids: a promising approach to improve elecrocatalyst 1.4 performance towards the hydrogen evolution reaction. New Journal of Chemistry, 2022, 46, 454-464. Effect of Conformation of Sugar Beet Pectin on the Interfacial and Emulsifying Properties. Foods, 6813 1.9 11 2022, 11, 214. Production of Organizational Chiral Structures by Design. Journal of the American Chemical Society, 6814 2022, 144, 824-831. Insight into the Adsorption Structure of TIPS-Pentacene on Noble Metal Surfaces. Journal of Physical 6815 1.50 Chemistry C, 2022, 126, 2689-2698. Intramolecular Amino-thiolysis Cyclization of Graphene Oxide Modified with Sulfur Dioxide: XPS and 1.5 Solid-State NMR Studies. Journal of Physical Chemistry C, 2022, 126, 1729-1741.

CITATION REPORT

#	Article	IF	CITATIONS
6817	The Effects of Stresses and Interfaces on Texture Transformation in Silver Thin Films. Nanomaterials, 2022, 12, 329.	1.9	4
6818	Elucidating Film Loss and the Role of Hydrogen Bonding of Adsorbed Redox Enzymes by Electrochemical Quartz Crystal Microbalance Analysis. ACS Catalysis, 2022, 12, 1886-1897.	5.5	16
6819	Dynamic tracking of p21 mRNA in living cells by sticky-flares for the visual evaluation of the tumor treatment effect. Nanoscale, 2022, 14, 1733-1741.	2.8	4
6820	Viscoelasticity Investigation of Semiconductor NP (CdS and PbS) Controlled Biomimetic Nanoparticle Hydrogels. Frontiers in Chemistry, 2021, 9, 816944.	1.8	0
6821	Boosting the Near-Infrared Emission of Ag ₂ S Nanoparticles by a Controllable Surface Treatment for Bioimaging Applications. ACS Applied Materials & Interfaces, 2022, 14, 4871-4881.	4.0	16
6822	Identifying nonadditive contributions to the hydrophobicity of chemically heterogeneous surfaces via dual-loop active learning. Journal of Chemical Physics, 2022, 156, 024701.	1.2	6
6823	Surface patterning techniques for proteins on nano- and micro-systems: a modulated aspect in hierarchical structures. Journal of Materials Chemistry B, 2022, , .	2.9	9
6824	Empirical Parameter to Compare Molecule–Electrode Interfaces in Large-Area Molecular Junctions. ACS Physical Chemistry Au, 2022, 2, 179-190.	1.9	8
6825	Liquidâ€Metalâ€Based Nanophotonic Structures for Highâ€Performance SEIRA Sensing. Advanced Materials, 2022, 34, e2107950.	11.1	14
6826	Self-assembling of nanobionics: from theory to applications. , 2022, , 111-138.		1
6826 6827		1.5	9
	Self-assembling of nanobionics: from theory to applications. , 2022, , 111-138. Quantum Mechanical Meaning of the Charge Transfer Resistance. Journal of Physical Chemistry C,	1.5	
6827	Self-assembling of nanobionics: from theory to applications. , 2022, , 111-138. Quantum Mechanical Meaning of the Charge Transfer Resistance. Journal of Physical Chemistry C, 2022, 126, 3151-3162. Study on the development of carbon nanotube enhanced biosensor for gender determination of fish.		9
6827 6828	Self-assembling of nanobionics: from theory to applications. , 2022, , 111-138. Quantum Mechanical Meaning of the Charge Transfer Resistance. Journal of Physical Chemistry C, 2022, 126, 3151-3162. Study on the development of carbon nanotube enhanced biosensor for gender determination of fish. Sensing and Bio-Sensing Research, 2022, 35, 100474. The enhancement and mechanism of potential-assisted method on 2-mercaptobenzobthiazole assembled film for copper protection. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 300 (2000)	2.2	9 3
6827 6828 6829	Self-assembling of nanobionics: from theory to applications. , 2022, , 111-138. Quantum Mechanical Meaning of the Charge Transfer Resistance. Journal of Physical Chemistry C, 2022, 126, 3151-3162. Study on the development of carbon nanotube enhanced biosensor for gender determination of fish. Sensing and Bio-Sensing Research, 2022, 35, 100474. The enhancement and mechanism of potential-assisted method on 2-mercaptobenzobthiazole assembled film for copper protection. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 638, 128280. Development of polypyrrole (nano)structures decorated with gold nanoparticles toward	2.2 2.3	9 3 3
6827 6828 6829 6830	Self-assembling of nanobionics: from theory to applications. , 2022, , 111-138. Quantum Mechanical Meaning of the Charge Transfer Resistance. Journal of Physical Chemistry C, 2022, 126, 3151-3162. Study on the development of carbon nanotube enhanced biosensor for gender determination of fish. Sensing and Bio-Sensing Research, 2022, 35, 100474. The enhancement and mechanism of potential-assisted method on 2-mercaptobenzobthiazole assembled film for copper protection. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 638, 128280. Development of polypyrrole (nano)structures decorated with gold nanoparticles toward immunosensing for COVID-19 serological diagnosis. Materials Today Chemistry, 2022, 24, 100817. A multivariate statistical approach in correlating the acoustic properties with petrophysics and	2.2 2.3 1.7	9 3 3 28
6827 6828 6829 6830 6831	Self-assembling of nanobionics: from theory to applications. , 2022, , 111-138. Quantum Mechanical Meaning of the Charge Transfer Resistance. Journal of Physical Chemistry C, 2022, 126, 3151-3162. Study on the development of carbon nanotube enhanced biosensor for gender determination of fish. Sensing and Bio-Sensing Research, 2022, 35, 100474. The enhancement and mechanism of potential-assisted method on 2-mercaptobenzobthiazole assembled film for copper protection. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 638, 128280. Development of polypyrrole (nano)structures decorated with gold nanoparticles toward immunosensing for COVID-19 serological diagnosis. Materials Today Chemistry, 2022, 24, 100817. A multivariate statistical approach in correlating the acoustic properties with petrophysics and mineralogy on sandstones. Geophysical Journal International, 2022, 230, 160-178. State of the Art on Green Route Synthesis of Gold/Silver Bimetallic Nanoparticles. Molecules, 2022, 27,	2.2 2.3 1.7 1.0	9 3 3 28 2

#	Article	IF	CITATIONS
6835	Gold nanoparticle-based optical nanosensors for food and health safety monitoring: recent advances and future perspectives. RSC Advances, 2022, 12, 10950-10988.	1.7	23
6836	A novel dibenzo[<i>a</i> , <i>c</i>]phenazine-based fluorescent probe for fast and selective detection of thiophenols in environmental water. RSC Advances, 2022, 12, 8611-8616.	1.7	3
6837	Advances of nanotechnology in plant development and crop protection. , 2022, , 143-157.		4
6838	Molecular planting of a single oraganothiol into a "gap-site―of a 2D patterned adlayer in an electrochemical environment. Chemical Science, 0, , .	3.7	2
6839	Organic/inorganic hybrid nanostructures for biological imaging and delivery. , 2022, , .		0
6840	Plant-Based Synthesis of Gold Nanoparticles and Theranostic Applications: A Review. Molecules, 2022, 27, 1391.	1.7	43
6841	The patchy growth mode: Modulation of the Au-Au interface via phenynyl ligands. Science China Materials, 2022, 65, 1687-1695.	3.5	7
6842	2DIR Spectroscopy for Studies of Molecular Structure and Dynamics on Surfaces of Noble Metals. Journal of Physical Chemistry C, 2022, 126, 3314-3327.	1.5	2
6843	Self-assembled monolayers direct a LiF-rich interphase toward long-life lithium metal batteries. Science, 2022, 375, 739-745.	6.0	368
6844	A Carbon Nanotube Sensor Array for the Label-Free Discrimination of Live and Dead Cells with Machine Learning. Analytical Chemistry, 2022, 94, 3565-3573.	3.2	9
6845	A Short Review on Surfaceâ€Confined Monolayers of Ï€â€Conjugated Polymers for Photovoltaics. Solar Rrl, 0, , 2101086.	3.1	0
6846	Surface Passivation of Sputtered NiO _{<i>x</i>} Using a SAM Interface Layer to Enhance the Performance of Perovskite Solar Cells. ACS Omega, 2022, 7, 12147-12157.	1.6	38
6847	Relation between Reactive Surface Sites and Precursor Choice for Area-Selective Atomic Layer Deposition Using Small Molecule Inhibitors. Journal of Physical Chemistry C, 2022, 126, 4845-4853.	1.5	15
6848	IR microfluidics for in situ sensing of molecular interfaces. , 2022, , .		1
6849	Synthesis and covalent immobilization of redox-active metallopolymers for organic phase electrochemistry. Polymer, 2022, 244, 124656.	1.8	7
6850	Silica-Encapsulated Core–Satellite Gold Nanoparticle Assemblies as Stable, Sensitive, and Multiplex Surface-Enhanced Raman Scattering Probes. ACS Applied Nano Materials, 2022, 5, 5087-5095.	2.4	6
6851	Nanoscale Biocompatible Structures Generated from Fluorinated Tripodal Phenylenes on Gold Nanoprisms. ChemistryOpen, 2022, 11, e202200007.	0.9	1
6852	Monitoring thiophenols in both environmental water samples and bio-samples: A method based on a fluorescent probe with broad pH adaptation. Ecotoxicology and Environmental Safety, 2022, 233, 113340.	2.9	9

#	Article	IF	CITATIONS
6853	Modulating the Conduction Band Energies of Si Electrode Interfaces Functionalized with Monolayers of a Bay-Substituted Perylene Bisimide. Langmuir, 2022, 38, 4266-4275.	1.6	3
6854	Laser Enhanced Combinatorial Chemo-photothermal Therapy of Green Synthesis Gold Nanoparticles Loaded with 6Mercaptopurine on Breast Cancer Model. Journal of Pharmaceutical Innovation, 2023, 18, 144-148.	1.1	10
6855	Understanding Selectivity Loss Mechanisms in Selective Material Deposition by Area Deactivation on 10 nm Cu/SiO ₂ Patterns. ACS Applied Electronic Materials, 2022, 4, 1703-1714.	2.0	9
6856	Electrochemical and X-ray Photoelectron Spectroscopy Surface Characterization of Interchain-Driven Self-Assembled Monolayer (SAM) Reorganization. Nanomaterials, 2022, 12, 867.	1.9	3
6857	Nanometer-Thick Thiophene Monolayers as Templates for the Gas-Phase Epitaxy of Poly(3,4-Ethylenedioxythiophene) Films on Gold: Implications for Organic Electronics. ACS Applied Nano Materials, 2022, 5, 3194-3200.	2.4	1
6858	Detection of Amyloid-β(1–42) Aggregation With a Nanostructured Electrochemical Sandwich Immunoassay Biosensor. Frontiers in Bioengineering and Biotechnology, 2022, 10, 853947.	2.0	3
6859	Near-Infrared Light-Controlled Activation of Adhesive Peptides Regulates Cell Adhesion and Multidifferentiation in Mesenchymal Stem Cells on an Up-Conversion Substrate. Nano Letters, 2022, 22, 2293-2302.	4.5	10
6861	Long-range surface plasmon resonance biosensors with cytop/Al/Perovskite and cytop/Al/MoS ₂ configurations. Physica Scripta, 2022, 97, 055501.	1.2	7
6863	Removal of Thiol-SAM on a Gold Surface for Re-Use of an Interdigitated Chain-Shaped Electrode. Materials, 2022, 15, 2218.	1.3	4
6864	Dopamine Functionalized Polyethylene Glycol for Improving Stability of Gold Nanoparticles against Reactive Oxygen Species in Serum. Macromolecular Rapid Communications, 2022, , 2200035.	2.0	4
6865	Improving Orientation, Packing Density, and Molecular Arrangement in Self-Assembled Monolayers of Bianchoring Ferrocene–Triazole Derivatives by "Click―Chemistry. Langmuir, 2022, 38, 3585-3596.	1.6	6
6866	Antibody-conjugated gold nanoparticles as nanotransducers for second near-infrared photo-stimulation of neurons in rats. Nano Convergence, 2022, 9, 13.	6.3	15
6867	High-Sensitive Detection and Quantitative Analysis of Thyroid-Stimulating Hormone Using Gold-Nanoshell-Based Lateral Flow Immunoassay Device. Biosensors, 2022, 12, 182.	2.3	8
6868	Role of gelatin and chitosan cross-linked aqueous template in controlling the size of lithium titanium oxide. SN Applied Sciences, 2022, 4, 1.	1.5	0
6869	Electroresponsive Weak Polyelectrolyte Brushes. Macromolecules, 2022, 55, 2636-2648.	2.2	3
6870	Tunable SERS Enhancement via Sub-nanometer Gap Metasurfaces. ACS Applied Materials & Interfaces, 2022, 14, 15541-15548.	4.0	12
6871	Can Metals Other than Au be Used for Large Area Exfoliation of MoS ₂ Monolayers?. Advanced Materials Interfaces, 2022, 9, .	1.9	8
6872	Assessment of wettability and rock-fluid interfacial tension of caprock: Implications for hydrogen and carbon dioxide geo-storage. International Journal of Hydrogen Energy, 2022, 47, 14104-14120.	3.8	81

#	Article	IF	CITATIONS
6873	On the Counterâ€intuitive Heterogeneous Electron Transfer Barrier Properties of Alkanethiolate Monolayers on Gold: Smooth versus Rough Surfaces. Electroanalysis, 2022, 34, 1936-1952.	1.5	3
6874	Multiscale Characterization of the Influence of the Organic–Inorganic Interface on the Dielectric Breakdown of Nanocomposites. ACS Nano, 2022, 16, 6744-6754.	7.3	15
6875	Electrochemical evaluation of the grafting density of self-assembled monolayers of polyethylene glycol of different chain lengths formed by the grafting to approach under conditions close to the cloud point. Journal of Electroanalytical Chemistry, 2022, , 116294.	1.9	3
6876	Gold nanostructured membranes to concentrate low molecular weight thiols, a proof of concept study. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2022, 1198, 123244.	1.2	5
6877	Molecular Bending: An Important Factor Affecting the Packing of Self-Assembled Monolayers of Triptycene-Based Molecular Rods on a (111) Gold Surface. Journal of Physical Chemistry C, 2022, 126, 7193-7207.	1.5	2
6878	Substrate Roughness and Tilt Angle Dependence of Sum-Frequency Generation Odd–Even Effects in Self-Assembled Monolayers. Journal of Physical Chemistry C, 2022, 126, 7294-7306.	1.5	7
6879	Effect of the alkyl linker length on the photoisomerization of hydrazone switches on metal surfaces. Materials Today Chemistry, 2022, 24, 100797.	1.7	4
6880	Site-selective surface enhanced Raman scattering study of ligand exchange reactions on aggregated Ag nanocubes. Journal of Colloid and Interface Science, 2022, 616, 110-120.	5.0	5
6881	Effect of organic acids on CO2-rock and water-rock interfacial tension: Implications for CO2 geo-storage. Journal of Petroleum Science and Engineering, 2022, 214, 110480.	2.1	23
6882	Tuning the fluid wetting dynamics on gold microstructures using photoactive compounds. Applied Surface Science, 2022, 589, 152924.	3.1	0
6883	Strategic synthesis of trimetallic Au@Ag–Pt nanorattles for ultrasensitive colorimetric detection in lateral flow immunoassay. Biosensors and Bioelectronics, 2022, 208, 114218.	5.3	29
6884	Effect of edge groups on the electronic transport properties of tetrapodal diazatriptycene molecule. Physica E: Low-Dimensional Systems and Nanostructures, 2022, 141, 115212.	1.3	2
6885	Local Cross-Coupling Activity of Azide-Hexa(ethylene glycol)-Terminated Self-Assembled Monolayers Investigated by Atomic Force Microscopy. Langmuir, 2021, 37, 14688-14696.	1.6	3
6886	Ligand Dynamics in Nanocrystal Solids Studied with Quasi-Elastic Neutron Scattering. ACS Nano, 2021, 15, 20517-20526.	7.3	3
6887	A roadmap for molecular thermoelectricity. Nature Nanotechnology, 2021, 16, 1299-1301.	15.6	14
6888	Rewritable Surface on a Plastic Substrate Using Fluorous Affinity. ACS Applied Materials & Interfaces, 2022, 14, 3255-3263.	4.0	1
6889	<i>N</i> -Heterocyclic Carbene Ligand Stability on Gold Nanoparticles in Biological Media. ACS Omega, 2022, 7, 1444-1451.	1.6	13
6890	Self-Assembled Copper Film-Enabled Liquid Metal Core–Shell Composite. ACS Applied Materials & Interfaces, 2021, 13, 60660-60671.	4.0	13

#	Article	IF	CITATIONS
6891	Adsorbate-Induced Phase Transformation of Ambient Stable Noncubic Lattices in Au Microcrystallites. Journal of Physical Chemistry C, 2022, 126, 823-831.	1.5	3
6892	Bioactive Coatings on Titanium: A Review on Hydroxylation, Self-Assembled Monolayers (SAMs) and Surface Modification Strategies. Polymers, 2022, 14, 165.	2.0	36
6893	Metal‣upported Phospholipid Bilayers Formed by Redox Command. Advanced Materials Interfaces, 2022, 9, 2101289.	1.9	1
6894	Monolayer-Induced Changes in Metal Penetration and Wetting for Metal-on-Organic Interfaces. Chemistry of Materials, 2021, 33, 9515-9523.	3.2	0
6895	Metal–Molecule–Metal Junctions on Self-Assembled Monolayers Made with Selective Electroless Deposition. ACS Applied Materials & Interfaces, 2022, 14, 1609-1614.	4.0	4
6896	Atomically Precise Palladium Nanoclusters with 21 and 38 Pd Atoms Protected by Phenylethanethiol. Journal of Physical Chemistry C, 2022, 126, 444-450.	1.5	8
6897	Solution-Based Self-Assembly and Stability of Ruthenium(II) Tris-bipyridyl Monolayers on Gold. ACS Applied Materials & Interfaces, 2021, 13, 60544-60552.	4.0	3
6898	Multi-component self-assembled molecular-electronic films: towards new high-performance thermoelectric systems. Chemical Science, 2022, 13, 5176-5185.	3.7	14
6899	Emerging Nanoporous Materials for Biomolecule Separation. Advanced Functional Materials, 2022, 32,	7.8	11
6900	Second Sphere Effects on Oxygen Reduction and Peroxide Activation by Mononuclear Iron Porphyrins and Related Systems. Chemical Reviews, 2022, 122, 12370-12426.	23.0	44
6901	Self-assembled monolayers of O-(2-Mercaptoethyl)-O′-methyl-hexa(ethylene glycol) (EG7-SAM) on gold electrodes. Effects of the nature of solution/electrolyte on formation and electron transfer blocking characteristics. Journal of Electroanalytical Chemistry, 2022, 914, 116303.	1.9	3
6902	Quantum phonon transport through channels and molecules—A Perspective. Applied Physics Letters, 2022, 120, .	1.5	11
6903	Photoâ€Responsive Molecular Junctions Activated by Perovskite/Graphene Heterostructure Electrode. Advanced Optical Materials, 2022, 10, .	3.6	4
6904	Electronic transport properties of a single biphenyl molecule anchored on Au(111)with sulfur, selenium, and tellurium atoms. Journal of Chemical Physics, 2022, 156, 174701.	1.2	1
6905	Bioprobes-regulated precision biosensing of exosomes: From the nanovesicle surface to the inside. Coordination Chemistry Reviews, 2022, 463, 214538.	9.5	14
6906	Surfactant-modified graphene oxide complex-coating functionalized material with robust switchable oil/water wettability for high-performance on-demand emulsion separation. Surface and Coatings Technology, 2022, 439, 128431.	2.2	12
6911	57 Harmonical oscillator and electro-mechanical analogy: an interdiscinary experiment to high precision mass variation measurements. Ecletica Quimica, 0, 34, 57.	0.2	0
6921	Nanocosmeceuticals: Novel and Advanced Self-Care Materials. , 2022, , 1031-1056.		0

#	Article	IF	CITATIONS
6922	Molecular Effects of Biogenic Zinc Nanoparticles on the Growth and Development of Brassica napus L. Revealed by Proteomics and Transcriptomics. Frontiers in Plant Science, 2022, 13, 798751.	1.7	8
6923	Time-of-Flight Secondary Ion Mass Spectrometry Analyses of Self-Assembled Monolayers of Octadecyltrimethoxysilane on SiO2 Substrate. Applied Sciences (Switzerland), 2022, 12, 4932.	1.3	1
6924	Elastic Properties of Poly(ethylene glycol) Nanomembranes and Respective Implications. Membranes, 2022, 12, 509.	1.4	4
6925	Conformationally engineering flexible peptides on silver nanoparticles. IScience, 2022, 25, 104324.	1.9	3
6926	Luminescent Self-Assembled Monolayer on Gold Nanoparticles: Tuning of Emission According to the Surface Curvature. Chemosensors, 2022, 10, 176.	1.8	10
6927	Chemistry and engineering of brush type polymers: Perspective towards tissue engineering. Advances in Colloid and Interface Science, 2022, 305, 102694.	7.0	16
6928	Simulations of Friction Anisotropy on Self-Assembled Monolayers in Water. Langmuir, 2022, 38, 6273-6280.	1.6	0
6929	Sensitive detection of halides and nitrate in organic and aqueous solvents via selective halogen bonding on TTF‣AM modified platinum electrodes ChemElectroChem, 0, , .	1.7	1
6930	From Multi-Switchable Self-Assemblies towards Surface Coordination Chemistry: An STM Investigation of Bipyridine-Terminated Ditopic Ligands. ECS Journal of Solid State Science and Technology, 2022, 11, 055007.	0.9	1
6931	Graphene-based multifunctional surface and structure gradients engineered by atmospheric plasma. Applied Materials Today, 2022, 27, 101486.	2.3	11
6932	Plasmonic anisotropic gold nanorods: Preparation and biomedical applications. Nano Research, 2022, 15, 6372-6398.	5.8	15
6933	Experimental evaluation of rock mineralogy on hydrogen-wettability: Implications for hydrogen geo-storage. Journal of Energy Storage, 2022, 52, 104866.	3.9	47
6934	A spectroscopic probe with FRET-ICT feature for thiophenol monitoring in real water samples. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 279, 121397.	2.0	4
6935	New Trends in Nanoarchitectured SERS Substrates: Nanospaces, 2D Materials, and Organic Heterostructures. Small, 2022, 18, e2107182.	5.2	71
6936	Role of Nanoscale Roughness and Polarity in Oddâ€Even Effect of Selfâ€Assembled Monolayers. Angewandte Chemie, 0, , .	1.6	0
6937	Role of Nanoscale Roughness and Polarity in Odd–Even Effect of Selfâ€Assembled Monolayers. Angewandte Chemie - International Edition, 2022, 61, .	7.2	8
6938	Nanoprojectile Secondary Ion Mass Spectrometry for Nanometrology of Nanoparticles and Their Interfaces. Analytical Chemistry, 2022, 94, 7868-7876.	3.2	4
6939	Influence of Different Substitution Patterns on the 2D Crystalline Aggregation of Small Molecules on HOPG Surfaces. Langmuir, 2022, 38, 6602-6611.	1.6	1

#	Article	IF	CITATIONS
6940	Temperature Dependence of the Rheology of Soft Matter on a MHz-oscillating Solid-liquid Interface. Journal of Oleo Science, 2022, , .	0.6	0
6941	Investigating the conversion from coordination bond to electrostatic interaction on self-assembled monolayer by SECM. Electrochimica Acta, 2022, 423, 140569.	2.6	1
6942	Adsorption characteristics of peptides on ω-functionalized self-assembled monolayers: a molecular dynamics study. Physical Chemistry Chemical Physics, 2022, 24, 14805-14815.	1.3	3
6943	No more compromise: a facile route towards functionalized surfaces with stable monolayers. Physical Chemistry Chemical Physics, 2022, 24, 14294-14298.	1.3	4
6944	Investigation of electron-induced cross-linking of self-assembled monolayers by scanning tunneling microscopy. Beilstein Journal of Nanotechnology, 0, 13, 462-471.	1.5	1
6945	Metasurfaceâ€Enhanced Infrared Spectroscopy: An Abundance of Materials and Functionalities. Advanced Materials, 2023, 35, .	11.1	25
6946	Patterning of Self-Assembled Monolayers of Amphiphilic Multisegment Ligands on Nanoparticles and Design Parameters for Protein Interactions. ACS Nano, 2022, 16, 8766-8783.	7.3	11
6948	Concept of Embedded Dipoles as a Versatile Tool for Surface Engineering. Accounts of Chemical Research, 2022, 55, 1857-1867.	7.6	15
6949	Physisorption of Affinity Ligands Facilitates Extracellular Vesicle Detection with Low Non-Specific Binding to Plasmonic Gold Substrates. ACS Applied Materials & Interfaces, 2022, 14, 26548-26556.	4.0	6
6950	Tuning interfacial interactions for bottomâ€up assembly of surfaceâ€anchored metalâ€organic frameworks to tailor film morphology and pattern surface features. Aggregate, 0, , .	5.2	2
6952	Robust silane self-assembled monolayer coatings on plasma-engineered copper surfaces promoting dropwise condensation. International Journal of Heat and Mass Transfer, 2022, 194, 123028.	2.5	8
6954	Plasmonic Nanoprobes for SERS-Based Theranostics Applications. Lecture Notes in Nanoscale Science and Technology, 2022, , 223-244.	0.4	1
6955	Molecular basis of transport of surface functionalised gold nanoparticles to pulmonary surfactant. RSC Advances, 2022, 12, 18012-18021.	1.7	1
6956	Synthesis and Radio-Oncological Efficiency of Gold Glyco-Nanoparticles Based on the Aldose Condensation Products with Lipoic (Thioctic) Hydrazide. Russian Journal of General Chemistry, 2022, 92, 850-859.	0.3	1
6957	Micropatterned Polypyrrole/Hydroxyapatite Composite Coatings Promoting Osteoinductive Activity by Electrical Stimulation. Coatings, 2022, 12, 849.	1.2	3
6958	2D nanoneedle-like ZnO/SiO2 Janus membrane with asymmetric wettability for highly efficient separation of various oil/water mixtures. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 650, 129352.	2.3	7
6959	Key progresses of MOE key laboratory of macromolecular synthesis and functionalization in 2021. Chinese Chemical Letters, 2023, 34, 107592.	4.8	35
6960	Molecular Inhibition for Selective CO ₂ Conversion. Angewandte Chemie - International Edition, 2022, 61, .	7.2	21

#	Article	IF	CITATIONS
6961	Turning weak into strong: on the CTAB-induced active surface growth. Science China Chemistry, 2022, 65, 1299-1305.	4.2	7
6962	Molecular Inhibition for Selective CO ₂ Conversion. Angewandte Chemie, 2022, 134, .	1.6	3
6963	Proving Cooperativity of a Catalytic Reaction by Means of Nanoscale Geometry: The Case of Click Reaction. Journal of the American Chemical Society, 2022, 144, 11238-11245.	6.6	1
6964	Tuning Au–Cu Janus Structures through Strong Ligand-Mediated Interfacial Energy Control. Chemistry of Materials, 2022, 34, 6057-6067.	3.2	7
6965	Applying a Mono-Octadecanethiol Film on Silver and Gold Coin Products. Journal of Tribology, 2022, 144, .	1.0	0
6966	Enhancement of electrocatalytic oxygen evolution by chiral molecular functionalization of hybrid 2D electrodes. Nature Communications, 2022, 13, .	5.8	48
6967	The patterned Au oxide layer formation on Au surfaces by F2 laser irradiation under the atmospheric conditions. Surfaces and Interfaces, 2022, 32, 102104.	1.5	0
6968	(In)stability of ligands at the surface of inorganic nanoparticles: A forgotten question in nanomedicine?. Nano Today, 2022, 45, 101516.	6.2	10
6969	Comparison between polycrystalline Au and single-crystalline Au(1 1 1) electrodes as the substrate of a cationic organic monolayer based on their anion dependent redox activities. Journal of Electroanalytical Chemistry, 2022, 919, 116514.	1.9	1
6970	Characterization of self-assembled Bis[2-(2-bromoisobutyryloxy) undecyl] disulphide (DTBU) on gold surfaces suitable for use in surface-initiated atom transfer radical polymerization (SI-ATRP). Journal of Electroanalytical Chemistry, 2022, 918, 116515.	1.9	1
6971	Influence of divalent ion concentration on the adhesion behaviour of sulfonate self-assembled monolayers (SAM). Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 648, 129415.	2.3	2
6972	Modification of Surfaces with Calix[4]arene Diazonium Salts. Physical Chemistry in Action, 2022, , 247-262.	0.1	1
6974	Fundamentals of Biosensors and Detection Methods. Advances in Experimental Medicine and Biology, 2022, , 3-29.	0.8	5
6975	Characterization of a Wake-Up Nano-Gap Gas Sensor for Ultra Low Power Operation. Journal of Microelectromechanical Systems, 2022, 31, 791-801.	1.7	4
6976	Assembly, structure and thermoelectric properties of 1,1′-dialkynylferrocene â€~hinges'. Chemical Science, 2022, 13, 8380-8387.	3.7	8
6977	Diazonium Salts and the Related Compounds for the Design of Biosensors. Physical Chemistry in Action, 2022, , 359-378.	0.1	1
6978	Approaches for a Solely Electroless Metallization of Through-Glass Vias. , 2022, , .		2
6979	Cell-repellent polyampholyte for conformal coating on microstructures. Scientific Reports, 2022, 12, .	1.6	0

#	Article	IF	CITATIONS
6980	Conductance Switching in Liquid Crystal-Inspired Self-Assembled Monolayer Junctions. ACS Applied Materials & amp; Interfaces, 2022, 14, 31044-31053.	4.0	1
6981	Thioglycolic acid-functionalized gold nanoparticles: Capping agent-affected color perception stability towards nitrate sensing purpose. Materials Today: Proceedings, 2022, 66, 2720-2725.	0.9	1
6982	Observing Real-Time Formation of Self-Assembled Monolayers on Polycrystalline Gold Surfaces with Scanning Electrochemical Cell Microscopy. Langmuir, 2022, 38, 9148-9156.	1.6	7
6983	Chiralâ€Moleculeâ€Based Spintronic Devices. Small, 2022, 18, .	5.2	22
6984	Lightâ€Induced and Thermal Isomerization of Azobenzenes on Immobilized Gold Nanoparticle Aggregates. ChemPlusChem, 2022, 87, .	1.3	2
6985	Biointerface Engineering with Nucleic Acid Materials for Biosensing Applications. Advanced Functional Materials, 2022, 32, .	7.8	15
6986	Oxidative Elimination and Reductive Addition of Thiolâ€Terminated Polymer Ligands to Metal Nanoparticles. Angewandte Chemie - International Edition, 2022, 61, .	7.2	8
6987	Oxidative Elimination and Reductive Addition of Thiolâ€Terminated Polymer Ligands to Metal Nanoparticles. Angewandte Chemie, 0, , .	1.6	0
6988	Recombinant protein G/Au nanoparticles/graphene oxide modified electrodes used as an electrochemical biosensor for Brucella Testing in milk. Journal of Food Science and Technology, 2022, 59, 4653-4662.	1.4	3
6989	Identifying Substrate-Dependent Chemical Bonding Nature at Molecule/Metal Interfaces Using Vibrational Sum Frequency Generation Spectroscopy and Theoretical Calculations. Journal of Physical Chemistry C, 2022, 126, 11298-11309.	1.5	3
6990	Ultrahigh On urrent Density of Organic Fieldâ€Effect Transistors Facilitated by Molecular Monolayer Crystals. Advanced Functional Materials, 2022, 32, .	7.8	16
6991	Differences in perchlorate adsorption to azobenzene monolayers on gold formed from thioacetate and thiol precursors. Zeitschrift Fur Physikalische Chemie, 2022, .	1.4	1
6992	Self-organization of stearic acid salts on the hemispherical surface of the aqueous subphase allows functionalization of matrix-assisted laser desorption/ionization mass spectrometry target plates for on-plate immobilized metal affinity chromatography enrichment. Thin Solid Films, 2022, 756, 139374.	0.8	1
6993	Substrate roughness influence on the order of nanografted Self-Assembled Monolayers. Chemical Physics Letters, 2022, 803, 139819.	1.2	2
6994	Ionomer distribution control by self-assembled monolayers for high-power and low Pt-loaded proton exchange membrane fuel cells. Journal of Power Sources, 2022, 542, 231793.	4.0	12
6995	Optofluidic analysis of monolayers with infrared microscopy. , 2023, , .		0
6996	Adsorption of Lipoic Acid on the Surface of Silver: The Kinetics of the Formation and Structure of Self-Assembled Monolayers. Moscow University Chemistry Bulletin, 2022, 77, 150-155.	0.2	0
6997	Effect of halogenation on the electronic transport properties of aromatic and alkanethiolate molecules. Physica E: Low-Dimensional Systems and Nanostructures, 2022, , 115428.	1.3	1

#	Article	IF	CITATIONS
6998	Electrochemical Sensors for the Detection of Reactive Oxygen Species in Biological Systems: A Critical Review. Critical Reviews in Analytical Chemistry, 0, , 1-33.	1.8	5
6999	From Bench to Cell: A Roadmap for Assessing the Bioorthogonal "Click―Reactivity of Magnetic Nanoparticles for Cell Surface Engineering. Bioconjugate Chemistry, 2022, 33, 1620-1633.	1.8	1
7000	Polymorphism and Buildingâ€Blockâ€Resolved STM Imaging of Selfâ€Assembled Monolayers of 4â€Fluorobenzenemethanethiol on Au(111). ChemPhysChem, 0, , .	1.0	2
7001	Electrokinetically augmented load bearing capacity of a deformable microfluidic channel. Physics of Fluids, 2022, 34, .	1.6	3
7002	Surface structure and work function change of pentafluorobenzeneselenolate self-assembled monolayers on Au (111). Surfaces and Interfaces, 2022, 33, 102228.	1.5	3
7003	The 2022 Kavli Prize in Nanoscience: Self-Assembled Monolayers. ACS Nano, 2022, 16, 9965-9967.	7.3	2
7004	The Promise of Softâ€Matterâ€Enabled Quantum Materials. Advanced Materials, 2023, 35, .	11.1	4
7005	Self-Assembly at a Macroscale Using Aerodynamics. Applied Sciences (Switzerland), 2022, 12, 7676.	1.3	1
7006	Trojan Horse Delivery of Spherical Nucleic Acid Probes into the Cytoplasm for High-Fidelity Imaging of MicroRNAs. Analytical Chemistry, 2022, 94, 10942-10948.	3.2	9
7007	Condensation Heat Transfer Correlation for Micro/Nanostructure Properties of Surfaces. ACS Omega, 2022, 7, 33837-33844.	1.6	4
7008	Modulated Structure and Rectification Properties of a Molecular Junction by a Mixed Self-Assembled Monolayer. Langmuir, 2022, 38, 10893-10901.	1.6	6
7009	Au Nanoparticles Coated ZnO Film for Chemical Sensing by PIERS Coupled to SERS. Photonics, 2022, 9, 562.	0.9	7
7010	Functional Group Effects on the Electrochemical Properties of Carboranethiol Monolayers on Au(111) As Studied by Density Functional Theory: Implications for Organic Electronics. ACS Applied Nano Materials, 2022, 5, 11185-11193.	2.4	0
7011	A Subâ€20Ânm Organic/Inorganic Hybrid Dielectric for Ultralowâ€Power Organic Thinâ€Film Transistor (OTFT) With Enhanced Operational Stability. Small, 2022, 18, .	5.2	10
7012	Investigation of Dopamine Release on Self-assembled Monolayers by Scanning Electrochemical Microscopy. Journal of the Electrochemical Society, 0, , .	1.3	1
7013	Thermally Driven Structural Order of Oligo(Ethylene Glycol)-Terminated Alkanethiol Monolayers on Au(111) Prepared by Vapor Deposition. Molecules, 2022, 27, 5377.	1.7	3
7014	Advances of Various Heterogeneous Structure Types in Molecular Junction Systems and Their Charge Transport Properties. Advanced Science, 2022, 9, .	5.6	6
7015	Functionalized Self-Assembled Monolayers: Versatile Strategies to Combat Bacterial Biofilm Formation. Pharmaceutics, 2022, 14, 1613.	2.0	7

#	Article	IF	CITATIONS
7016	When Design Meets Function: The Prodigious Role of Surface Ligands in Regulating Nanoparticle Chemistry. Chemistry of Materials, 2022, 34, 7579-7597.	3.2	18
7017	Self-Assembled Decanethiolate Monolayers on Au(001): Expanding the Family of Known Phases. Langmuir, 2022, 38, 10202-10215.	1.6	1
7018	Electrochemical DNA biosensor coupled to LAMP reaction for early diagnostics of cervical precancerous lesions. Biosensors and Bioelectronics: X, 2022, 12, 100224.	0.9	1
7019	Curcuminâ€Based Universal Grafting of Poly(OEGMA) Brushes and Their Antibacterial Applications. Macromolecular Bioscience, 2022, 22, .	2.1	4
7020	Antifouling Surface Coating on Various Substrates by Inducing Tyrosinase-Mediated Oxidation of a Tyrosine-Conjugated Sulfobetaine Derivative. Biomacromolecules, 2022, 23, 4349-4356.	2.6	3
7021	Ferrocene as an iconic redox marker: From solution chemistry to molecular electronic devices. Coordination Chemistry Reviews, 2022, 473, 214816.	9.5	16
7022	Thiol sensing: From current methods to nanoscale contribution. Microchemical Journal, 2022, 183, 107994.	2.3	3
7023	Facile strategy for advanced selectivity and sensitivity of SnO2 nanowire-based gas sensor using chemical affinity and femtosecond laser irradiation. Sensors and Actuators B: Chemical, 2022, 372, 132657.	4.0	10
7024	High sensitivity label-free detection of HER2 using an Al–GaN/GaN high electron mobility transistor-based biosensor. Lab on A Chip, 2022, 22, 4129-4140.	3.1	6
7025	Structure and stability of 7-mercapto-4-methylcoumarin self-assembled monolayers on gold: an experimental and computational analysis. Physical Chemistry Chemical Physics, 2022, 24, 22083-22090.	1.3	2
7026	Electrostatic Fermi level tuning in large-scale self-assembled monolayers of oligo(phenylene–ethynylene) derivatives. Nanoscale Horizons, 2022, 7, 1201-1209.	4.1	7
7027	Detection and Binding Interactions of Pharmaceutical Contaminants Using Quartz Crystal Microbalance – Role of AdsorbateÂStructure and Surface Functional Group on Adsorption. SSRN Electronic Journal, 0, , .	0.4	0
7028	Electrode surface embedded manganese(<scp>iii</scp>)–pincer complexes: efficient electrocatalysts for the oxygen evolution reaction. New Journal of Chemistry, 0, , .	1.4	0
7029	Recent developments in polynorepinephrine: an innovative material for bioinspired coatings and colloids. Journal of Materials Chemistry B, 2022, 10, 7895-7904.	2.9	2
7030	Self-assembly of heterogeneous bilayers stratified by Au–S and hydrogen bonds on Au(111). Physical Chemistry Chemical Physics, 2022, 24, 22222-22230.	1.3	4
7031	Robust and durable liquid-repellent surfaces. Chemical Society Reviews, 2022, 51, 8476-8583.	18.7	105
7032	Coordination-driven opto-electroactive molecular thin films in electronic circuits. Journal of Materials Chemistry C, 2022, 10, 14532-14541.	2.7	8
7033	Smartphone-Based Immunochemical Sensor Exploiting Peroxidase-Like Activity of Ligand-Capped Gold Nanostars: A Proof-of-Concept Detection of Mycobacterium Bovis. SSRN Electronic Journal, 0, , .	0.4	1

#	Article	IF	CITATIONS
7034	Engineering synergistic effects of immobilized cooperative catalysts. Coordination Chemistry Reviews, 2023, 474, 214863.	9.5	8
7035	Ultrathin Durable Organic Hydrophobic Coatings Enhancing Dropwise Condensation Heat Transfer. Langmuir, 2022, 38, 11296-11303.	1.6	10
7036	Marine antifouling behavior of the surfaces modified by dopamine and antibacterial peptide. Journal of Oceanology and Limnology, 0, , .	0.6	5
7037	Enzymatic and Microbial Electrochemistry: Approaches and Methods. ACS Measurement Science Au, 2022, 2, 517-541.	1.9	11
7038	Potential-Dependent Adhesion Forces between dsDNA and Electroactive Surfaces. Langmuir, 2022, 38, 11899-11908.	1.6	2
7039	Electron Transfer in Binary Hemin-Modified Alkanethiol Self-Assembled Monolayers on Gold: Hemin's Lateral and Interfacial Interactions. Langmuir, 2022, 38, 11180-11190.	1.6	3
7040	Ultrastable Antiâ€Acid "Shield―in Layered Silver Coordination Polymers. Angewandte Chemie, 2022, 134, .	1.6	0
7041	Amide-Assisted Polymerization of 1,3-Butadiyne Containing Thiolate Ligands on Small Gold Nanoparticles. Langmuir, 2022, 38, 10943-10952.	1.6	0
7042	Improved Absorber Phase Stability, Performance, and Lifetime in Inorganic Perovskite Solar Cells with Alkyltrimethoxysilane Strain-Release Layers at the Perovskite/TiO ₂ Interface. ACS Energy Letters, 2022, 7, 3531-3538.	8.8	17
7043	Nanoarchitectonics Intelligence with atomic switch and neuromorphic network system. Applied Physics Express, 2022, 15, 100101.	1.1	33
7044	Ultrastable Antiâ€Acid "Shield―in Layered Silver Coordination Polymers. Angewandte Chemie - International Edition, 2022, 61, .	7.2	5
7045	Suppression of Impedimetric Baseline Drift for Stable Biosensing. , 2022, 1, 031605.		5
7046	Serrated Au Nanoplates via the Sharpening Etching Mode. Chemistry of Materials, 2022, 34, 8213-8218.	3.2	4
7047	Effect of Material and Shape of Nanoparticles on Hot Carrier Generation. ACS Photonics, 2022, 9, 3260-3267.	3.2	10
7048	Functionalized <i>N</i> -Heterocyclic Carbene Monolayers on Gold for Surface-Initiated Polymerizations. ACS Applied Materials & Interfaces, 2022, 14, 44969-44980.	4.0	8
7049	Probing Matrix Effects in the Course of Electron Transfer across a Self-Assembled Monolayer. Journal of Physical Chemistry C, 2022, 126, 17415-17423.	1.5	1
7050	Solidâ€state Nanopores: Chemical Modifications, Interactions, and Functionalities. Chemistry - an Asian Journal, 2022, 17, .	1.7	8
7051	Localized hydrodynamic flow confinement assisted nanowire sensor for ultrasensitive protein detection. Biosensors and Bioelectronics, 2022, , 114788.	5.3	1

#	Article	IF	CITATIONS
7052	AuNPs and 2D functional nanomaterial-assisted SPR development for the cancer detection: a critical review. Cancer Nanotechnology, 2022, 13, .	1.9	4
7053	Dependence of thermoelectric effects in molecular junctions on the topography of the bottom electrodes. Journal of Materials Chemistry A, 2022, 10, 23304-23313.	5.2	6
7054	Zirconia for Dental Implants. , 2022, , 479-485.		0
7055	Using a Single Peptide to Electrochemically Sense Multiple Kinases. Biochemistry, 2023, 62, 351-357.	1.2	0
7056	lonic Liquid Facilitated Solventâ€Phase Polymerization of Ultrasmooth Coatings of Polycatecholamines. Macromolecular Chemistry and Physics, 0, , 2200313.	1.1	1
7057	Spiropyran–Merocyanine Based Photochromic Fluorescent Probes: Design, Synthesis, and Applications. ACS Omega, 2022, 7, 36988-37007.	1.6	16
7058	Review—Recent Advances in Polydopamine-based Electrochemical Biosensors. Journal of the Electrochemical Society, 2022, 169, 107505.	1.3	9
7059	Silver Nanoparticles Bio-genesis from Colpomenia sinuosa and its in-vivo Anti-tumor Efficacy on DLA Inoculated tumor in albino mice. International Journal of Pharmaceutical Sciences and Nanotechnology, 2022, 15, 6161-6168.	0.0	0
7060	Exploring the Metal–Insulator Transition in (Ga,Mn)As by Molecular Absorption. Nano Letters, 2022, 22, 9190-9197.	4.5	0
7061	Hybrid bilayer membranes as platforms for biomimicry and catalysis. Nature Reviews Chemistry, 2022, 6, 862-880.	13.8	9
7062	Study of <i>n</i> -Alkanethiol Self-Assembly Behavior on Iron Particles: Effect of Alkyl Chain Length and Adsorption Solvent on Resulting Iron-Based Magnetorheological Fluids. Langmuir, 0, , .	1.6	2
7063	Can Polymers be Irreversibly Adsorbed on Carbon Nanomembranes? A Combined XPS, AFM, and Broadband Dielectric Spectroscopy Study. ACS Applied Polymer Materials, 2022, 4, 8377-8385.	2.0	1
7064	Design of Anti-biofouling Coatings Based on the Fusion of Surface & Interface Science and Informatics. Materia Japan, 2022, 61, 765-768.	0.1	0
7065	Amine-Functionalized Diamond Electrode for Boosting CO ₂ Reduction to CO. ACS Sustainable Chemistry and Engineering, 2022, 10, 14685-14692.	3.2	4
7066	Patterning-mediated supramolecular assembly of lipids into nanopalms. IScience, 2022, 25, 105344.	1.9	0
7067	Detection and binding interactions of pharmaceutical contaminants using quartz crystal microbalance – Role of adsorbate structure and surface functional group on adsorption. Chemosphere, 2023, 311, 137075.	4.2	1
7068	Rational design of noble metal-based multimetallic nanomaterials: A review. Nano Energy, 2022, 104, 107959.	8.2	8
7069	Use of phase angle in alternating voltammetry on redox self-assembled monolayers with interactions. Journal of Electroanalytical Chemistry, 2022, 925, 116914.	1.9	1

#	Article	IF	CITATIONS
7070	Evidence of molecular clicking on self-assembled monolayers on Au (111) and their properties. Computational Materials Science, 2023, 216, 111809.	1.4	0
7071	Thiols as ligands and structural control of nanoclusters. , 2023, , 519-550.		0
7072	Boosting oxygen transport through mitigating the interaction between Pt and ionomer in proton exchange membrane fuel cell. Journal of Power Sources, 2023, 553, 232240.	4.0	10
7073	High performance aptasensing platform development through in silico aptamer engineering for aflatoxin B1 monitoring. Food Control, 2023, 145, 109418.	2.8	10
7074	Core–satellite–satellite hierarchical nanostructures: assembly, plasmon coupling, and gap-selective surface-enhanced Raman scattering. Nanoscale, 2022, 14, 17003-17012.	2.8	5
7075	The synergetic effect of a gold nanocluster–calcium phosphate composite: enhanced photoluminescence intensity and superior bioactivity. Physical Chemistry Chemical Physics, 2022, 24, 29034-29042.	1.3	1
7076	Smartphone-based immunochemical sensor exploiting peroxidase-like activity of ligand-capped gold nanostars: A proof-of-concept detection of Mycobacterium bovis. Biosensors and Bioelectronics, 2023, 220, 114857.	5.3	14
7077	Sustainable manufacturing process for wafer-scale uniform semiconductor nanostructures. , 2022, , .		0
7078	Amyloidogenesis: What Do We Know So Far?. International Journal of Molecular Sciences, 2022, 23, 13970.	1.8	5
7079	Quantifying Molecular Structure–Conductance Relationship in Nonlinear π-Conjugated versus Linear Ï€-Conjugated Wire for Application in Molecular Electronics. ACS Applied Nano Materials, 2022, 5, 16500-16508.	2.4	1
7080	A meshless scheme on the electrokinetically driven flow of power-law fluid through nanochannel considering dual effects of heterogeneity in wall charge and surface wettability. Journal of Non-Newtonian Fluid Mechanics, 2022, 310, 104943.	1.0	2
7081	Surface Protection of Quaternary Cold Alloys by Thiol Self-Assembled Monolayers. International Journal of Molecular Sciences, 2022, 23, 14132.	1.8	0
7082	Optimizing the Heavy Metal Ion Sensing Properties of Functionalized Silver Nanoparticles: The Role of Surface Coating Density. Chemosensors, 2022, 10, 483.	1.8	4
7083	Multi-fluorous-included Counter Anions-based Ionic Copolymers: Synthesis and Enhanced Hydrophobic Adsorption Films on Copper Surface for Super Protection. Chemical Research in Chinese Universities, 0, , .	1.3	0
7084	A Kavli prize at the interface. Nature Nanotechnology, 2022, 17, 1127-1127.	15.6	0
7085	Synthesis of Fully Substituted Sumanenes at the Aromatic Periphery through Hexabromomethylation. Asian Journal of Organic Chemistry, 2023, 12, .	1.3	3
7086	Advanced Lab-on-Fiber Optrodes Assisted by Oriented Antibody Immobilization Strategy. Biosensors, 2022, 12, 1040.	2.3	3
7087	Effects of the potential and the electrolyte nature in the integrity of the O-(2-Mercaptoethyl)-Oâ€2-methyl-hexa(ethylene glycol) self-assembled monolayer by electrochemical impedance spectroscopy. Journal of Electroanalytical Chemistry, 2022, , 116996.	1.9	0

#	Article	IF	CITATIONS
7088	Design of Biocompatible Monolayers and Polymeric Materials using Informatics. Seikei-Kakou, 2022, 34, 398-401.	0.0	0
7089	Janus nanozyme based satellite structure immunosandwich colorimetric strategy for glycoproteins visual detection. Chemical Engineering Journal, 2023, 454, 140495.	6.6	6
7090	Recognition mechanism of imidazo[1,5-α]pyridine-based fluorescence probe towards thiophenols with multi-mechanisms of PET and ESIPT. Journal of Photochemistry and Photobiology A: Chemistry, 2023, 437, 114477.	2.0	5
7091	Iron(II)-α-Keto Acid Complexes of Tridentate Ligands on Gold Nanoparticles: Effect of Ligand Geometry and Immobilization on Their Dioxygen-Dependent Reactivity. Dalton Transactions, 0, , .	1.6	Ο
7092	Defined Coadsorption of Prostate Cancer Targeting Ligands and PEG on Gold Nanoparticles for Significantly Reduced Protein Adsorption in Cell Media. Journal of Physical Chemistry C, 2022, 126, 20594-20604.	1.5	4
7093	Gold Nanocolumnar Templates for Effective Chemical Sensing by Surface-Enhanced Raman Scattering. Nanomaterials, 2022, 12, 4157.	1.9	3
7094	Catalytic Gold-Iridium Nanoparticles as Labels for Sensitive Colorimetric Lateral Flow Assay. ACS Nano, 2022, 16, 21609-21617.	7.3	22
7095	Yolk–Shell Nanoparticles with CO ₂ -Responsive Outer Shells for Gas-Controlled Catalysis. ACS Applied Nano Materials, 2022, 5, 18237-18246.	2.4	3
7096	Inverse Design of Pore Wall Chemistry To Control Solute Transport and Selectivity. ACS Central Science, 2022, 8, 1609-1617.	5.3	6
7097	Tuning gold-based surface functionalization for streptavidin detection: A combined simulative and experimental study. Frontiers in Molecular Biosciences, 0, 9, .	1.6	0
7098	Electrocatalytic Self-Assembled Nanoarchitectonics for Clean Energy Conversion Applications. , 0, , .		0
7099	Lamellar and Hexagonal Assemblies of PEG-Grafted Silver Nanoparticles: Implications for Plasmonics and Photonics. ACS Applied Nano Materials, 2022, 5, 17556-17564.	2.4	2
7100	Monolayer Thiol Engineered Covalent Interface toward Stable Zinc Metal Anode. ACS Nano, 2022, 16, 21152-21162.	7.3	17
7101	Sequential Use of Orthogonal Selfâ€Assembled Monolayers for Areaâ€5elective Atomic Layer Deposition of Dielectric on Metal. Advanced Materials Interfaces, 2023, 10, .	1.9	4
7102	Only gold can pull this off: mechanical exfoliations of transition metal dichalcogenides beyond scotch tape. Applied Physics A: Materials Science and Processing, 2023, 129, .	1.1	7
7103	Microfluidic SERS devices: brightening the future of bioanalysis. Discover Materials, 2022, 2, .	1.0	7
7104	Molecular Electronics: Creating and Bridging Molecular Junctions and Promoting Its Commercialization. Advanced Materials, 2023, 35, .	11.1	13
7105	Nanomechanical Stability of Laterally Heterogeneous Films of Corrosion Inhibitor Molecules Obtained by Microcontact Printing on Au Model Substrates. Langmuir, 2022, 38, 15614-15621.	1.6	6

#	Article	IF	CITATIONS
7106	Molecular Anchoring with 4-Mercaptobenzoic Acid and 4-Aminothiophenol for Using Active Nanorods in the Detection of Dopamine. , 2022, 1, 045201.		9
7107	Reducing interfacial thermal resistance by interlayer. Journal of Physics Condensed Matter, 2023, 35, 053001.	0.7	5
7108	Chemical Conformation Induced Transport Carrier Switching in Molecular Junction based on Carboxylic-Terminated Thiol Molecules. Nano Letters, 2022, 22, 10147-10153.	4.5	1
7109	Particle-Based therapies for antigen specific treatment of type 1 diabetes. International Journal of Pharmaceutics, 2023, 631, 122500.	2.6	3
7111	Preparation and Evaluation of 64Cu-Radiolabled Dual-Ligand Multifunctional Gold Nanoparticles for Tumor Theragnosis. Pharmaceuticals, 2023, 16, 71.	1.7	0
7112	Nanoscale molecular rectifiers. Nature Reviews Chemistry, 2023, 7, 106-122.	13.8	33
7113	Structural features of interfacial water predict the hydrophobicity of chemically heterogeneous surfaces. Chemical Science, 2023, 14, 1308-1319.	3.7	4
7114	Electro-Optic Properties of High-Efficiency Organic Electronics with the Addition of An Interlayer. Applied Sciences (Switzerland), 2023, 13, 624.	1.3	0
7115	Imprinting Chirality on a Conventional Superconductor. , 0, , 2200072.		0
7116	Area-Selective Deposition of AlO <i>_x</i> and Al-Silicate for Fully Self-Aligned Via Integration. ACS Applied Materials & Interfaces, 0, , .	4.0	0
7117	Adsorbed <i>p</i> â€Aminothiophenol Molecules on Platinum Nanoparticles Improve Electrocatalytic Hydrogen Evolution. Small, 2023, 19, .	5.2	6
7118	Ultrasensitive Electrochemical Phosphate Detection by Pyridine-zinc(II) Complex. Canadian Journal of Chemistry, 0, , .	0.6	0
7119	High Performance nAl@CuO Core-shell Particles with Improved Combustion Efficiency and the Effect of Interfacial Layers on Combustion. Journal of Alloys and Compounds, 2023, , 168879.	2.8	0
7120	Controllable Low-Bias Rectifying Behaviors Induced by AA-P2 Dopants in Armchair Silicene Nanoribbons with Different Widths. Coatings, 2023, 13, 106.	1.2	2
7121	Triptycene-Based Tripodal Self-Assembled Monolayer on Indium Tin Oxide. Journal of Physical Chemistry C, 2023, 127, 2088-2097.	1.5	4
7122	Rapid fabrication of interdigitated electrodes by laser ablation with application to electrokinetically enhanced surface plasmon resonance imaging. Optics and Laser Technology, 2023, 161, 109167.	2.2	1
7123	Design and Preparation of Sensing Surfaces for Capacitive Biodetection. Biosensors, 2023, 13, 17.	2.3	3
7124	Biosensors: Electrochemical Devices—General Concepts and Performance. Biosensors, 2023, 13, 44.	2.3	8

#	Article	IF	CITATIONS
7125	Surface Passivation of Niobium Superconducting Quantum Circuits Using Self-Assembled Monolayers. ACS Applied Materials & Interfaces, 2023, 15, 2319-2328.	4.0	1
7126	Charge Transport Measured Using the EGaIn Junction through Self-Assembled Monolayers Immersed in Organic Liquids. Journal of Physical Chemistry B, 2023, 127, 407-424.	1.2	2
7127	Strategic role of nanotechnology in plant growth improvement and crop production. , 2023, , 25-49.		0
7128	The Effect of Counterions on the Detection of Cu2+ Ions in Aqueous Solutions Using Quartz Tuning Fork (QTF) Sensors Modified with L-Cysteine Self-Assembled Monolayers: Experimental and Quantum Chemical DFT Study. Chemosensors, 2023, 11, 88.	1.8	4
7129	On-nanoparticle monolayers as a solute-specific, solvent-like phase. Nanoscale, 2023, 15, 6379-6386.	2.8	1
7130	Site-selective functionalization of in-plane nanoelectrode-antennas. Nanoscale, 2023, 15, 5249-5256.	2.8	1
7131	Characterization and Application of Supramolecular Junctions. Angewandte Chemie - International Edition, 2023, 62, .	7.2	12
7132	From Glass to Gold: Visualization of Electrostatic Self-Assembly of Gold Nanoparticles. Journal of Chemical Education, 2023, 100, 835-843.	1.1	2
7133	Aggregation-Induced Emission-Active Nanostructures: Beyond Biomedical Applications. ACS Nano, 2023, 17, 1845-1878.	7.3	34
7134	Spontaneous Intercluster Electron Transfer X ^{2–} + X ⁰ → 2 X [–] (X =) Ţ Promotion by Long Alkyl Chains. Journal of the American Chemical Society, 2023, 145, 3361-3368.	j ETQq1 1 6.6	0.784314 rg 4
7135	Fast Response Fluorescent Probe with a Large Stokes Shift for Thiophenol Detection in Water Samples and Cell Imaging. Journal of Analysis and Testing, 2023, 7, 69-78.	2.5	7
7136	Characterization and Application of Supramolecular Junctions. Angewandte Chemie, 2023, 135, .	1.6	2
7137	Nanoparticle protein corona: from structure and function to therapeutic targeting. Lab on A Chip, 2023, 23, 1432-1466.	3.1	27
7138	Nano-inspired biosensors and plant diseases: recent advances and challenges. , 2023, , 135-162.		1
7139	Surface modification and functionalization of ceramic composite using self-assembled monolayer and graft polymerization. , 2023, , 21-44.		1
7140	Monolayer Integration of Organic Semiconductors. , 2023, , 71-78.		0
7141	Adaptive 2D and Pseudo-2D Systems: Molecular, Polymeric, and Colloidal Building Blocks for Tailored Complexity. Nanomaterials, 2023, 13, 855.	1.9	5
7142	Recent advances in the (3+2) cycloaddition of azomethine ylide. New Journal of Chemistry, 2023, 47, 8997-9034.	1.4	9

#	Article	IF	CITATIONS
7143	Monitoring Cardiac Biomarkers with Aptamerâ€Based Molecular Pendulum Sensors. Angewandte Chemie, 2023, 135, .	1.6	1
7144	Tackling orientation of metal-organic frameworks (MOFs): The quest to enhance MOF performance. Coordination Chemistry Reviews, 2023, 481, 215043.	9.5	65
7145	Charge migration of ferrocene-labeled peptide self-assembled monolayers at various interfaces: The roles of peptide composition. Electrochimica Acta, 2023, 454, 142419.	2.6	1
7146	Stability of supported hybrid lipid bilayers on chemically and topographically-modified surfaces. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2023, 664, 131125.	2.3	3
7147	Smart electrochemical sensor with enhanced sensitivity for the determination of antihypertensive drug felodipine. Measurement: Journal of the International Measurement Confederation, 2023, 211, 112647.	2.5	0
7148	Hidden Dynamics of Noble-metal-bound Thiol Monolayers Revealed by SERS-monitored Entropy-driven Exchange of Cysteine Isotopologues. Applied Surface Science, 2023, 623, 156985.	3.1	3
7149	The effect of terminal group of hole injection self-assembled monolayers on the performance of optoelectronic devices on ITO anodes. Materials Chemistry and Physics, 2023, 301, 127666.	2.0	0
7150	Length-dependent high-frequency response of aromatic and aliphatic molecules: predictions from first-principles calculations. Journal of Physics and Chemistry of Solids, 2023, 178, 111343.	1.9	3
7151	Bioactive peptides for boosting stem cell culture platform: Methods and applications. Biomedicine and Pharmacotherapy, 2023, 160, 114376.	2.5	7
7154	Modular Metalâ€Quinone Networks with Tunable Architecture and Functionality. Angewandte Chemie, 2023, 135, .	1.6	0
7155	Modular Metalâ€Quinone Networks with Tunable Architecture and Functionality. Angewandte Chemie - International Edition, 2023, 62, .	7.2	7
7156	Ordered/Disordered Structures of Water at Solid/Liquid Interfaces. Crystals, 2023, 13, 263.	1.0	1
7157	Aromatic self-assembled monolayers with pentafluoro-λ6-sulfanyl (â^'SF5) termination: Molecular organization and charge transport properties. Nano Research, 2023, 16, 7991-8002.	5.8	2
7158	Formation and Thermal Stability of Ordered Self-Assembled Monolayers by the Adsorption of Amide-Containing Alkanethiols on Au(111). International Journal of Molecular Sciences, 2023, 24, 3241.	1.8	3
7159	Combining the Curvature and Ligand Effects for Regioselective Growth on Au Nano-bipyramids. , 2023, 1, 94-99.		4
7160	Designing Allâ€Photonic Molecular Analogs for Electrical Components: A Reprogrammable Luminescent Filter Based on Ln ³⁺ lons. Laser and Photonics Reviews, 2023, 17, .	4.4	2
7161	Fabrication of a Polymer Nano Nozzle for Electrohydrodynamic Small-Molecule Solvent Inkjet Printing. ACS Applied Nano Materials, 2023, 6, 3046-3053.	2.4	3
7162	Advanced materials engineering in historical gypsum plaster formulations. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	3.3	0

#	Article	IF	CITATIONS
7164	Interface engineering to enhance charge carrier injection in Ph-BTBT-10 organic thin-film transistor with silver source-drain electrodes. Molecular Crystals and Liquid Crystals, 2023, 761, 79-86.	0.4	1
7165	Metal–Adsorbate Interactions Modulate Plasmonic Reactivity of Chemisorbed Nitrophenyl Derivatives. Journal of Physical Chemistry C, 2023, 127, 4104-4114.	1.5	3
7166	Electroactive substrates for surface-enhanced Raman spectroscopy based on overgrown gold-nanoparticle arrays by electrodeposition on indium tin oxide. Materials Advances, 2023, 4, 1378-1388.	2.6	0
7167	Maskless, Reusable Visible-Light Direct-Write Stamp for Microscale Surface Patterning. ACS Applied Materials & Interfaces, 2023, 15, 11259-11267.	4.0	0
7168	A Review of Detection Methods for Vancomycin-Resistant Enterococci (VRE) Genes: From Conventional Approaches to Potentially Electrochemical DNA Biosensors. Biosensors, 2023, 13, 294.	2.3	3
7169	Understanding ligand-protected noble metal nanoclusters at work. Nature Reviews Materials, 2023, 8, 372-389.	23.3	40
7170	Peptide Selfâ€Assembly into Amyloid Fibrils at Hard and Soft Interfaces—From Corona Formation to Membrane Activity. Macromolecular Bioscience, 2023, 23, .	2.1	4
7171	Peel tests for quantifying adhesion and toughness: A review. Progress in Materials Science, 2023, 137, 101086.	16.0	25
7172	A review on understanding the efficient source of balanced crop nutrition through nanotechnology in agriculture. Journal of Plant Nutrition, 2023, 46, 3221-3231.	0.9	1
7173	Investigating the Electric Field Lysis of Exosomes Immobilized on the Screen-Printed Electrode and Electrochemical Sensing of the Lysed-Exosome-Derived Protein. Biosensors, 2023, 13, 323.	2.3	3
7174	Molecular Scale Structure and Kinetics of Layer-by-Layer Peptide Self-Organization at Atomically Flat Solid Surfaces. ACS Nano, 2023, 17, 7311-7325.	7.3	5
7175	Triptycene-Based Self-Assembled Monolayer as a Template for Successive Click Reactions. Journal of Physical Chemistry C, 2023, 127, 5178-5185.	1.5	3
7176	Formation of a Dodecanethiol Film on an Oxide-Free Nickel Electrode from Aqueous and Aqueous–Alcoholic Solutions Under Electrochemical Control. Nanobiotechnology Reports, 2022, 17, 758-765.	0.2	1
7177	Week-Long Operation of Electrochemical Aptamer Sensors: New Insights into Self-Assembled Monolayer Degradation Mechanisms and Solutions for Stability in Serum at Body Temperature. ACS Sensors, 2023, 8, 1119-1131.	4.0	17
7178	Molecular Catalysts Immobilised on Photocathodes for Solar Fuel Generation. , 2023, , 120-156.		0
7179	Molecular switching on surfaces. Surface Science Reports, 2023, 78, 100596.	3.8	6
7180	Electrochemical Stability of Thiolate Self-Assembled Monolayers on Au, Pt, and Cu. ACS Applied Materials & Interfaces, 0, , .	4.0	2
7181	Monitoring Cardiac Biomarkers with Aptamerâ€Based Molecular Pendulum Sensors. Angewandte Chemie - International Edition, 2023, 62, .	7.2	3

#	Article	IF	CITATIONS
7182	Moleculeâ€Electrode Interfaces Controlled by Bulky Long‣egged Ligands in Organometallic Molecular Wires. Advanced Materials Interfaces, 2023, 10, .	1.9	2
7183	Revisiting Alkoxysilane Assembly on Silica Surfaces: Grafting versus Homo-Condensation in Solution. Journal of the American Chemical Society, 2023, 145, 6671-6681.	6.6	9
7184	Implication of Current–Voltage Curve Shape in Molecular Electronics. Journal of Physical Chemistry C, 2023, 127, 6025-6033.	1.5	3
7185	Penetration Coefficients of Commercial Nanolimes and a Liquid Mineral Precursor for Pore-Imitating Test Systems—Predictability of Infiltration Behavior. Materials, 2023, 16, 2506.	1.3	2
7186	Understanding the Two-Dimensional Mixing Behavior of 1-Naphthalenethiol and Octanethiol. Journal of Physical Chemistry C, 2023, 127, 6531-6542.	1.5	0
7187	Conductometric sensor for gaseous sulfur-mustard simulant by gold nanoparticles anchored on ZnO nanosheets prepared via microwave irradiation. Sensors and Actuators B: Chemical, 2023, 386, 133726.	4.0	2
7188	Active Control of Contact Angles of Various Liquids from the Response of Self-Assembled Thiol Molecules to Electric Current. Langmuir, 2023, 39, 5021-5030.	1.6	2
7189	Green Synthesis of Zinc Oxide Nanoparticles using Leaf Extract of Causonis trifolia (L.) and its Applications on Germination and Growth Enhancement of Mustard Seeds. Asian Journal of Chemistry, 2023, 35, 923-928.	0.1	0
7190	Controlled Vertical Transfer of Individual Au Atoms Using a Surface Supported Carbon Radical for Atomically Precise Manufacturing. , 0, , .		0
7191	Comparison of different noble metal-based screen-printed sensors for detection of PIK3CA point-mutations as biomarker for circulating tumor DNA. Electrochimica Acta, 2023, 455, 142336.	2.6	3
7192	Nanotechnology and Medicine: The Interphase. Materials Horizons, 2023, , 1-31.	0.3	0
7193	Approaching the Geometric Limit of Bacteriophage Conjugation to Gold: Synergy of Purification with Covalent and Physisorption Strategies. ACS Biomaterials Science and Engineering, 2023, 9, 2335-2346.	2.6	1
7194	Reactive etching of gallium oxide on eutectic gallium indium (eGaIn) with chlorosilane vapor to induce differential wetting. Soft Matter, 2023, 19, 3199-3206.	1.2	4
7195	Molecular Dynamics Investigation of Nanoscale Hydrophobicity of Polymer Surfaces: What Makes Water Wet?. Journal of Physical Chemistry B, 2023, 127, 5115-5127.	1.2	2
7196	Multifunctional organic monolayer-based coatings for implantable biosensors and bioelectronic devices: Review and perspectives. Biosensors and Bioelectronics: X, 2023, 14, 100349.	0.9	4
7197	Supramolecular Cucurbit[7]uril@Ferrocene Complexation on Surface: From Nanostructure Differentiation to Guest Quantitation. Accounts of Materials Research, 2023, 4, 457-466.	5.9	2
7198	Biomineralization in Barnacle Base Plate in Association with Adhesive Cement Protein. ACS Applied Bio Materials, 2023, 6, 3423-3432.	2.3	1
7207	Nanoscale surface coatings based on plant phenolics. , 2023, , 195-216.		1

#	Article	IF	CITATIONS
7217	Control of the resistive switching voltage and reduction of the high-resistive-state current of zinc oxide by self-assembled monolayers. Chemical Communications, 2023, 59, 5761-5764.	2.2	2
7224	Self-Assembled Monolayers for Uricase Enzyme Absorption Immobilization on Screen-Printed Gold Electrodes Modified. , 0, , .		0
7228	Towards cost-efficient and stable perovskite solar cells and modules: utilization of self-assembled monolayers. Materials Chemistry Frontiers, 2023, 7, 3958-3985.	3.2	8
7252	Biosensor: Tools and Techniques for Characterization and Analysis. , 2023, , 25-63.		0
7256	Sum frequency generation spectroscopy of fluorinated organic material-based interfaces: a tutorial review. Analyst, The, 2023, 148, 2901-2920.	1.7	1
7273	Chemical nano biosensors based on novel phenomena in Langmuir and Langmuir-Blodgett films from lipids and phospholipids. AIP Conference Proceedings, 2023, , .	0.3	0
7275	Surface modifications of biomaterials in different applied fields. RSC Advances, 2023, 13, 20495-20511.	1.7	11
7311	Self-assembled monolayer–based nanoscaled surfaces. , 2024, , 1-25.		0
7334	Rapid Turnaround Fabrication of Peptide Nucleic Acid (PNA)-Immobilized Nanowire Biosensors by O ₂ -Plasma Assisted Lithography of e-Beam Resists. , 2023, , .		0
7339	Modification of electrodes with self-assembled monolayers—general principles. Journal of Solid State Electrochemistry, 2024, 28, 711-755.	1.2	1
7341	Robust QCM-Based Sensing and Assay Formats in Commercialized Systems. Springer Series on Chemical Sensors and Biosensors, 2023, , .	0.5	0
7350	Regular arrays of C ₆₀ -based molecular rotors mounted on the surface of tris(<i>o</i> -phenylenedioxy)cyclotriphosphazene nanocrystals. Chemical Communications, 0, , .	2.2	0
7353	Odd-even effects in the structure and properties of aryl-substituted aliphatic self-assembled monolayers. Nano Research, 0, , .	5.8	1
7367	What can molecular assembly learn from catalysed assembly in living organisms?. Chemical Society Reviews, 2024, 53, 1892-1914.	18.7	0
7374	Emerging nanoparticle platforms for CpG oligonucleotide delivery. Biomaterials Science, 0, , .	2.6	1
7410	Plasmonic metasurface arrays for cross-reactive sensing. , 2024, , .		0
7411	Role of nanotechnology in crop management. , 2024, , 61-76.		0

Role of nanotechnology in crop management. , 2024, , 61-76. 7411