Roberto C Salvarezza

List of Publications by Year
in descending order

269 papers	9,650 citations	53939 47 h-index	66518 82 g-index
273 all docs	273 docs citations	273 times ranked	11542 citing authors

#	Article	IF	Citations
1	Effect of Ligands on the Stability of Gold Nanoclusters. Journal of Physical Chemistry Letters, 2022, 13, 6475-6480.	2.1	5
2	Unraveling the Causes of the Instability of Au_n(SR)_x Nanoclusters on Au(111). Chemistry of Materials, 2021, 33, 3428-3435.	3.2	3
3	Dynamics of RS-(Au-SR)_x Staple Motifs on Metal Surfaces: From Nanoclusters to 2D Surfaces. Journal of Physical Chemistry C, 2020, 124, 5452-5459.	1.5	6
4	Shedding Light on the Interfacial Structure of Low-Coverage Alkanethiol Lattices. Journal of Physical Chemistry C, 2020, 124, 26748-26758.	1.5	6
5	Gold adatoms modulate sulfur adsorption on gold. Nanoscale, 2019, 11, 19341-19351.	2.8	7
6	New aspects of the surface chemistry of sulfur on Au(111): Surface structures formed by gold-sulfur complexes. Applied Surface Science, 2019, 487, 848-856.	3.1	6
7	The surface chemistry of near-infrared resonant gold nanotriangles obtained via thiosulfate synthesis. Applied Surface Science, 2019, 464, 131-139.	3.1	9
8	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
9	Role of Gold Adatoms in the Adsorption of Sulfide Species on the Gold(001)-hex Surface. Journal of Physical Chemistry C, 2018, 122, 2207-2214.	1.5	12
10	Electronic Structure of a Self-Assembled Monolayer with Two Surface Anchors: 6-Mercaptopurine on Au(111). Langmuir, 2018, 34, 5696-5702.	1.6	5
11	Phosphonic acid functionalization of nanostructured Niâ€“W coatings on steel. Applied Surface Science, 2018, 433, 292-299.	3.1	17
12	Highly Stabilized Nanoparticles on Poly-l-Lysine-Coated Oxidized Metals: A Versatile Platform with Enhanced Antimicrobial Activity. ACS Applied Materials & Interfaces, 2018, 10, 23657-23666.	4.0	39
13	Polymorphism and metal-induced structural transformation in 5,5â€²-bis(4-pyridyl)(2,2â€²-bispyrimidine) adlayers on Au(111). Physical Chemistry Chemical Physics, 2018, 20, 15960-15969.	1.3	8
14	The Role of a Double Molecular Anchor on the Mobility and Selfâ€Assembly of Thiols on Au(111): The Case of Mercaptobenzoic Acid. ChemPhysChem, 2017, 18, 804-811.	1.0	7
15	6-Mercaptopurine Self-Assembled Monolayers on Gold (001)-Hex: Revealing the Fate of Gold Adatoms. Journal of Physical Chemistry C, 2017, 121, 8938-8943.	1.5	8
16	New Insight into the Chemical Nature of the Plasmonic Nanostructures Synthesized by the Reduction of Au(III) with Sulfide Species. Langmuir, 2017, 33, 6785-6793.	1.6	14
17	Surface Structure of 4-Mercaptopyridine on Au(111): A New Dense Phase. Langmuir, 2017, 33, 9565-9572.	1.6	24
18	Thermal Stability of Self-Assembled Monolayers of n-Hexanethiol on Au(111)-(1 Ã— 1) and Au(001)-(1) Tj ETQq0 0 0 rgBT /Overlo	1.5	32

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19	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
20	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
21	Surface Structure and Chemistry of Alkanethiols on Au(100)-(1 Ã— 1) Substrates. Journal of Physical Chemistry C, 2016, 120, 291-296.	1.5	28
22	Electrodeposition of gold nanoparticles on aryl diazonium monolayer functionalized HOPG surfaces. Physical Chemistry Chemical Physics, 2016, 18, 1953-1960.	1.3	29
23	Optical Nanoparticle Sorting Elucidates Synthesis of Plasmonic Nanotriangles. ACS Nano, 2016, 10, 3614-3621.	7.3	39
24	Role of the capping agent in the interaction of hydrophilic Ag nanoparticles with DMPC as a model biomembrane. Environmental Science: Nano, 2016, 3, 462-472.	2.2	22
25	Thiol Adsorption on the Au(100)-hex and Au(100)-(1 Ã— 1) Surfaces. Journal of Physical Chemistry C, 2015, 119, 14248-14254.	1.5	25
26	Real-Time Monitoring Distance Changes in Surfactant-Coated Au Nanoparticle Films upon Volatile Organic Compounds (VOCs). Journal of Physical Chemistry C, 2015, 119, 5098-5106.	1.5	12
27	Optimization of the surface properties of nanostructured Niâ€“W alloys on steel by a mixed silane layer. Physical Chemistry Chemical Physics, 2015, 17, 14201-14207.	1.3	11
28	Functional nicotinic acetylcholine receptor reconstitution in Au(111)-supported thiolipid monolayers. Nanoscale, 2015, 7, 15789-15797.	2.8	3
29	Exploring the core level shift origin of sulfur and thiolates on Pd(111) surfaces. Physical Chemistry Chemical Physics, 2015, 17, 24349-24355.	1.3	9
30	Synergetic Light-Harvesting and Near-Field Enhancement in Multiscale Patterned Gold Substrates. ACS Photonics, 2015, 2, 1355-1365.	3.2	8
31	Localization of adhesins on the surface of a pathogenic bacterial envelope through atomic force microscopy. Nanoscale, 2015, 7, 17563-17572.	2.8	19
32	Structure and Electronic and Charge-Transfer Properties of Mercaptobenzoic Acid and Mercaptobenzoic Acidâ€“Undecanethiol Mixed Monolayers on Au(111). Journal of Physical Chemistry C, 2014, 118, 30013-30022.	1.5	11
33	A novel model for the (âˆš3 Ã— âˆš3)R30Â° alkanethiolateâ€“Au(111) phase based on alkanethiolateâ€“Au adatom complexes. Physical Chemistry Chemical Physics, 2014, 16, 19017.	1.3	13
34	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
35	Surface Chemistry of Thiomalic Acid Adsorption on Planar Gold and Gold Nanoparticles. Langmuir, 2014, 30, 1820-1826.	1.6	19
36	Self-assembly of flagellin on Au(111) surfaces. Journal of Colloid and Interface Science, 2014, 433, 86-93.	5.0	6

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37	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
38	Synergy between Graphene and Au Nanoparticles (Heterojunction) towards Quenching, Improving Raman Signal, and UV Light Sensing. ACS Applied Materials & Interfaces, 2014, 6, 6384-6391.	4.0	36
39	Understanding the Surface Chemistry of Thiolate-Protected Metallic Nanoparticles. Journal of Physical Chemistry Letters, 2013, 4, 3127-3138.	2.1	66
40	Hydrocarbon Chain Length Induces Surface Structure Transitions in Alkanethiolateâ€“Gold Adatom Self-Assembled Monolayers on Au(111). Journal of Physical Chemistry C, 2013, 117, 2160-2165.	1.5	24
41	The electrochemistry of nanostructured Niâ€“W alloys. Journal of Solid State Electrochemistry, 2013, 17, 307-313.	1.2	25
42	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
43	Strong Correlation between Molecular Configurations and Charge-Transfer Processes Probed at the Single-Molecule Level by Surface-Enhanced Raman Scattering. Journal of the American Chemical Society, 2013, 135, 2809-2815.	6.6	68
44	New Findings for the Composition and Structure of Ni Nanoparticles Protected with Organomercaptan Molecules. Langmuir, 2013, 29, 4670-4678.	1.6	15
45	Liquidâ€“liquid microextraction based on a dispersion of Pd nanoparticles combined with ETAAS for sensitive Hg determination in water samples. Talanta, 2013, 108, 46-52.	2.9	15
46	Electrochemical Desorption of Thiolates and Sulfur from Nanoparticle and Planar Platinum Surfaces. Journal of Physical Chemistry C, 2013, 117, 7589-7597.	1.5	8
47	Citrate-Capped Silver Nanoparticles Showing Good Bactericidal Effect against Both Planktonic and Sessile Bacteria and a Low Cytotoxicity to Osteoblastic Cells. ACS Applied Materials & Interfaces, 2013, 5, 3149-3159.	4.0	105
48	Surface-diffusion-driven decay of high-aspect-ratio gratings: Existence of morphologically related classes. Physical Review E, 2013, 87, 062407.	0.8	5
49	One-dimensional gratings evolving through high-temperature annealing: sine-generated solutions. Journal of Physics Condensed Matter, 2012, 24, 015001.	0.7	7
50	Complex Surface Chemistry of 4-Mercaptopyridine Self-Assembled Monolayers on Au(111). Langmuir, 2012, 28, 6839-6847.	1.6	45
51	New Insights into the Chemistry of Thiolate-Protected Palladium Nanoparticles. Journal of Physical Chemistry C, 2012, 116, 9830-9837.	1.5	65
52	Self-assembly of thiolated cyanine aggregates on Au(111) and Au nanoparticle surfaces. Nanoscale, 2012, 4, 531-540.	2.8	8
53	Adhesin Contribution to Nanomechanical Properties of the Virulent Bordetella pertussis Envelope. Langmuir, 2012, 28, 7461-7469.	1.6	18
54	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

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55	Sulfidization of Au(111) from Thioacetic Acid: An Experimental and Theoretical Study. Langmuir, 2012, 28, 15278-15285.	1.6	16
56	Melanin films on Au(1 1 1): Adsorption and molecular conductance. Organic Electronics, 2012, 13, 1844-1852.	1.4	4
57	New insight into the electrochemical desorption of alkanethiol SAMs on gold. Physical Chemistry Chemical Physics, 2012, 14, 12355.	1.3	29
58	Improved Vapor Selectivity and Stability of Localized Surface Plasmon Resonance with a Surfactant-Coated Au Nanoparticles Film. Analytical Chemistry, 2012, 84, 4886-4892.	3.2	27
59	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
60	The Chemistry of the Sulfurâ€“Gold Interface: In Search of a Unified Model. Accounts of Chemical Research, 2012, 45, 1183-1192.	7.6	459
61	The chemistry and structure of nickelâ€“tungsten coatings obtained by pulse galvanostatic electrodeposition. Electrochimica Acta, 2012, 72, 87-93.	2.6	35
62	From Single to Multiple Ag-Layer Modification of Au Nanocavity Substrates: A Tunable Probe of the Chemical Surface-Enhanced Raman Scattering Mechanism. ACS Nano, 2011, 5, 5433-5443.	7.3	37
63	Surface functionalization of electro-deposited nickel. Physical Chemistry Chemical Physics, 2011, 13, 17987.	1.3	18
64	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
65	Alkanethiol Adsorption on Platinum: Chain Length Effects on the Quality of Self-Assembled Monolayers. Journal of Physical Chemistry C, 2011, 115, 17788-17798.	1.5	34
66	â€œNakedâ€•gold nanoparticles supported on HOPG: melanin functionalization and catalytic activity. Nanoscale, 2011, 3, 1708.	2.8	21
67	Have flagella a preferred orientation during early stages of biofilm formation?: AFM study using patterned substrates. Colloids and Surfaces B: Biointerfaces, 2011, 82, 536-542.	2.5	41
68	Niâ€“W coatings electrodeposited on carbon steel: Chemical composition, mechanical properties and corrosion resistance. Electrochimica Acta, 2011, 56, 5898-5903.	2.6	63
69	Electronic and magnetic properties of C60 thin films under ambient conditions: A multitechnique study. Organic Electronics, 2011, 12, 1483-1492.	1.4	20
70	Adsorption and thermal stability of alkanethiol films on GaAs(110): A comparative study by TOF-DRS and TOF-SIMS. Nuclear Instruments & Methods in Physics Research B, 2011, 269, 924-931.	0.6	4
71	Spontaneous adsorption of silver nanoparticles on Ti/TiO2 surfaces. Antibacterial effect on Pseudomonas aeruginosa. Journal of Colloid and Interface Science, 2010, 350, 402-408.	5.0	145
72	A theoretical framework to obtain interfaceâ€™s shapes during the high-temperature annealing of high-aspect-ratio gratings. Applied Physics Letters, 2010, 97, 123104.	1.5	7

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73	A Surface Effect Allows HNO/NO Discrimination by a Cobalt Porphyrin Bound to Gold. Inorganic Chemistry, 2010, 49, 6955-6966.	1.9	63
74	On the Thermodynamic Stability of Î±,Ï‰-Alkanedithiols Self-Assembled Monolayers on Unreconstructed and Reconstructed Au(111). Langmuir, 2010, 26, 9589-9595.	1.6	12
75	Thiol with an Unusual Adsorptionâ^'Desorption Behavior: 6-Mercaptopurine on Au(111). Langmuir, 2010, 26, 17068-17074.	1.6	34
76	Synthesis and Characterization of Gold@Gold(I)â^'Thiomalate Core@Shell Nanoparticles. ACS Nano, 2010, 4, 3413-3421.	7.3	50
77	Methylene Blue Incorporation into Alkanethiol SAMs on Au(111): Effect of Hydrocarbon Chain Ordering. Langmuir, 2010, 26, 8226-8232.	1.6	41
78	Monitoring the Electrochemistry of Single Molecules by Surface-Enhanced Raman Spectroscopy. Journal of the American Chemical Society, 2010, 132, 18034-18037.	6.6	121
79	Electrochemical Modulation for Signal Discrimination in Surface Enhanced Raman Scattering (SERS). Analytical Chemistry, 2010, 82, 6919-6925.	3.2	29
80	Surface Relaxation of High-Aspect-Ratio Nanostructures: Theory and Experiments. Journal of Physical Chemistry C, 2010, 114, 4603-4610.	1.5	7
81	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
82	The Complex Thiolâ^'Palladium Interface: A Theoretical and Experimental Study. Langmuir, 2010, 26, 14655-14662.	1.6	33
83	Organization ofPseudomonas fluorescenson Chemically Different Nano/Microstructured Surfaces. ACS Applied Materials & Interfaces, 2010, 2, 2530-2539.	4.0	30
84	Modeling thermal decay of high-aspect-ratio nanostructures. Applied Physics Letters, 2009, 94, 053103.	1.5	7
85	Electrochemical Preparation and Delivery of Melaninâ€“Iron Covered Gold Nanoparticles. ChemPhysChem, 2009, 10, 370-373.	1.0	4
86	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
87	Electrochemical preparation of metalâ€“melanin functionalized graphite surfaces. Electrochimica Acta, 2009, 54, 1589-1596.	2.6	8
88	Electrochemically induced self-assembly of alkanethiolate adlayers on carbon steel in aqueous solutions. Electrochimica Acta, 2009, 54, 4817-4821.	2.6	6
89	Oxygen Reduction on Ironâ^'Melanin Granular Surfaces. Journal of Physical Chemistry C, 2009, 113, 17097-17103.	1.5	27
90	From Monomers to Geometry-Constrained Molecules: One Step Further Toward Cyanide Bridged Wires. Inorganic Chemistry, 2009, 48, 11226-11235.	1.9	19

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91	Submicron Trenches Reduce the Pseudomonas fluorescens Colonization Rate on Solid Surfaces. ACS Applied Materials & Interfaces, 2009, 1, 136-143.	4.0	43
92	Enhanced Stability of Thiolate Self-Assembled Monolayers (SAMs) on Nanostructured Gold Substrates. Langmuir, 2009, 25, 5661-5666.	1.6	70
93	Self-assembled dithiothreitol on Au surfaces for biological applications: phospholipid bilayer formation. Physical Chemistry Chemical Physics, 2009, 11, 1077-1084.	1.3	46
94	Ag-modified Au nanocavity SERS substrates. Physical Chemistry Chemical Physics, 2009, 11, 7469.	1.3	23
95	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
96	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
97	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
98	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
99	On the Thermodynamic Stability of (âˆš3 Ã— âˆš3)R30Â° Methanethiolate Lattice on Reconstructed Au(111) Surface Models. Journal of Physical Chemistry C, 2008, 112, 19121-19124.	1.5	20
100	Spontaneous Nanoripple Formation on Metallic Templates. ACS Nano, 2008, 2, 2531-2539.	7.3	8
101	Effect of Ag Adatoms on High-Coverage Alkanethiolate Adsorption on Au(111). Journal of Physical Chemistry C, 2008, 112, 4557-4563.	1.5	8
102	Self-Assembled Monolayers on C(0001). , 2008, , 513-529.		0
103	Thiol-capped gold: from planar to irregular surfaces. Journal of Physics Condensed Matter, 2008, 20, 184004.	0.7	38
104	Gas Phase Formation of Dense Alkanethiol Layers on GaAs(110). Journal of the American Chemical Society, 2007, 129, 7807-7813.	6.6	26
105	Restricted Surface Mobility of Thiolate-Covered Metal Surfaces:Â A Simple Strategy to Produce High-Area Functionalized Surfaces. Langmuir, 2007, 23, 1152-1159.	1.6	17
106	Thiol-Capped Gold Nanoparticles on Graphite:â€‰ Spontaneous Adsorption and Electrochemically Induced Release. Journal of Physical Chemistry C, 2007, 111, 7179-7184.	1.5	29
107	Nano/Microscale Order Affects the Early Stages of Biofilm Formation on Metal Surfaces. Langmuir, 2007, 23, 11206-11210.	1.6	123
108	Preparation of Ultrathin Thiolate-Covered Bimetallic Systems:â€‰ From Extended Planar to Nanoparticle Surfaces. Journal of Physical Chemistry C, 2007, 111, 9359-9364.	1.5	16

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109	Electrocatalytic and Magnetic Properties of Ultrathin Nanostructured Ironâ€“Melanin Films on Au(111). Chemistry - A European Journal, 2007, 13, 473-482.	1.7	14
110	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
111	Surface characterization of sulfur and alkanethiol self-assembled monolayers on Au(111). Journal of Physics Condensed Matter, 2006, 18, R867-R900.	0.7	163
112	Room-Temperature Kinetics of Short-Chain Alkanethiol Film Growth on Ag(111) from the Vapor Phase. Journal of Physical Chemistry B, 2006, 110, 7095-7097.	1.2	22
113	Two-Site Adsorption Model for the (â^š3 Ã— â^š3)-R30Â° Dodecanethiolate Lattice on Au(111) Surfaces. Journal of Physical Chemistry B, 2006, 110, 5586-5594.	1.2	63
114	Immobilization of Methylene Blue on Self-Assembled Iodine Monolayers on Gold. Journal of Nanoscience and Nanotechnology, 2006, 6, 2362-2367.	0.9	2
115	Adsorption of short-chain alkanethiols on Ag(111) studied by direct recoiling spectroscopy. Surface Science, 2006, 600, 2305-2316.	0.8	19
116	Electrochemical Deposition onto Self-Assembled Monolayers: New Insights into Micro- and Nanofabrication. Chemistry - A European Journal, 2006, 12, 38-49.	1.7	43
117	Silver electrodeposition on nanostructured gold: from nanodots to nanoripples. Nanotechnology, 2006, 17, 3428-3435.	1.3	7
118	Modeling growth from the vapor and thermal annealing on micro- and nanopatterned substrates. Physical Review E, 2006, 73, 011607.	0.8	10
119	Evidence for the Formation of Different Energetically Similar Atomic Structures inAg(111)â^'(7Ã—7)â^'R19.1Â°â^'CH3S. Physical Review Letters, 2006, 97, 226103.	2.9	37
120	Surface-relief micropatterning of zinc oxide substrates by micromolding pulsed-laser-deposited films. Applied Physics A: Materials Science and Processing, 2005, 81, 1113-1116.	1.1	8
121	Molding and Replication of Ceramic Surfaces with Nanoscale Resolution. Small, 2005, 1, 300-309.	5.2	27
122	Pattern preserving deposition: Experimental results and modeling. Applied Physics Letters, 2005, 87, 123104.	1.5	5
123	Biomimetics with a Self-Assembled Monolayer of Catalytically Active Tethered Isoalloxazine on Au. Langmuir, 2005, 21, 7907-7911.	1.6	18
124	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
125	Complex Surface Dynamics during Anodic Dissolution of Ni. Langmuir, 2005, 21, 9238-9245.	1.6	9
126	Electrochemical Self-Assembly of Melanin Films on Gold. Langmuir, 2005, 21, 5924-5930.	1.6	48

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127	Self-assembled monolayers of alkanethiols on Au(111): surface structures, defects and dynamics. Physical Chemistry Chemical Physics, 2005, 7, 3258.	1.3	299
128	Surface nanopatterning of metal thin films by physical vapour deposition onto surface-modified silicon nanodots. Nanotechnology, 2004, 15, S197-S200.	1.3	24
129	Probing universality classes in solid-on-solid deposition. Physical Review E, 2004, 70, 011605.	0.8	4
130	Direct Nanopatterning of Metal Surfaces Using Self-Assembled Molecular Films. Advanced Materials, 2004, 16, 405-409.	11.1	42
131	Sulfur electroadsorption on Au(111). Electrochimica Acta, 2004, 49, 3643-3649.	2.6	25
132	Molecular Self-Assembly on Ultrathin Metallic Surfaces:Â Alkanethiolate Monolayers on Ag(1 Ã—) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5	1.2	22
133	Influence of the Adsorption of N Species on the Anodic Dissolution of Ni. Langmuir, 2004, 20, 2361-2368.	1.6	9
134	Influence of the Nanostructure of Palladium Mesoparticles on the Kinetics of Molecular Oxygen Electroreduction. Journal of Physical Chemistry B, 2004, 108, 10785-10795.	1.2	22
135	Role of Surface Heterogeneity and Molecular Interactions in the Charge-Transfer Process through Self-Assembled Thiolate Monolayers on Au(111). Langmuir, 2004, 20, 5030-5037.	1.6	43
136	Electroformation of quasi-two-dimensional silver patterns in the absence of supporting electrolyte. Journal of Solid State Electrochemistry, 2003, 7, 545-553.	1.2	2
137	Metal electrodeposition on self-assembled monolayers: a versatile tool for pattern transfer on metal thin films. Electrochimica Acta, 2003, 48, 3107-3114.	2.6	54
138	Scanning Tunneling Microscopy, Voltammetry, and X-ray Photoelectron Spectroscopy Study of the Early Stages of Electrochemical Faceting of Gold (111) in Aqueous Sulfuric and Perchloric Acid. Journal of Physical Chemistry B, 2003, 107, 11452-11466.	1.2	26
139	Comparative Molecular Resolution STM Imaging of Thiourea, Ethylthiourea, and Sulfur Self-Assembled Adlayer Structures on Silver (111). Langmuir, 2003, 19, 5336-5343.	1.6	18
140	Electrodesorption Potentials of Self-Assembled Alkanethiolate Monolayers on Copper Electrodes. An Experimental and Theoretical Study. Journal of Physical Chemistry B, 2003, 107, 13446-13454.	1.2	51
141	Modeling heterogeneity and memory effects on the kinetic roughening of silica films grown by chemical vapor deposition. Physical Review B, 2003, 67, .	1.1	8
142	Direct molding of nanopatterned polymeric films: Resolution and errors. Applied Physics Letters, 2003, 82, 457-459.	1.5	13
143	A predictive tool in micro- and nanoengineering: Straightforward estimation of conformal film growth efficiency. Applied Physics Letters, 2003, 82, 1953-1955.	1.5	11
144	Dynamics of solid growth under a gravitational field: Influence of the formation of a diffusive layer. Physical Review E, 2003, 67, 061605.	0.8	3

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145	Templated electrodeposition of patterned soft magnetic films. Applied Physics Letters, 2002, 80, 1061-1063.	1.5	28
146	Scanning Tunneling Microscopy, Fourier Transform Infrared Reflectionâ^'Absorption Spectroscopy, and X-ray Photoelectron Spectroscopy of Thiourea Adsorption from Aqueous Solutions on Silver (111). Journal of Physical Chemistry B, 2002, 106, 9831-9838.	1.2	20
147	Building Complex Twoâ^' Dimensional Structures:Â Methylene Blue on Self-Assembled Monolayerâ^'Covered Au(111). Journal of Physical Chemistry B, 2002, 106, 9114-9121.	1.2	33
148	Thermal Annealing of Patterned Metal Surfaces. Langmuir, 2002, 18, 10430-10434.	1.6	20
149	A Monte Carlo simulation for the stripping of the â^š3Ã—â^š3 R30Â° alkanethiol lattice from Au(111) terraces and steps. Journal of Chemical Physics, 2002, 117, 2293-2298.	1.2	7
150	Electrodesorption Potentials of Self-Assembled Alkanethiolate Monolayers on Ag(111) and Au(111). An Electrochemical, Scanning Tunneling Microscopy and Density Functional Theory Study. Journal of Physical Chemistry B, 2002, 106, 12267-12273.	1.2	66
151	Electrochemical Formation of Palladium Islands on HOPG:Â Kinetics, Morphology, and Growth Mechanisms. Journal of Physical Chemistry B, 2002, 106, 4232-4244.	1.2	62
152	Title is missing!. Journal of Applied Electrochemistry, 2002, 32, 611-620.	1.5	24
153	A Novel Application of Alkanethiol Self-Assembled Monolayers in Nanofabrication:Â Direct Molding and Replication of Patterned Conducting Masters. Langmuir, 2001, 17, 2748-2752.	1.6	35
154	The Kinetics of the (â^š3Ã—â^š3)R30Â° Sulfur Lattice Stripping from Au(111):â€‰ Competitive Desorptionâ^'Hole Nucleation and Growth Model. Langmuir, 2001, 17, 2334-2339.	1.6	24
155	Sulfurâ^'Substrate Interactions in Spontaneously Formed Sulfur Adlayers on Au(111). Langmuir, 2001, 17, 4919-4924.	1.6	107
156	Electrodesorption Kinetics and Molecular Interactions at Negatively Charged Self-Assembled Thiol Monolayers in Electrolyte Solutions. Langmuir, 2001, 17, 6647-6654.	1.6	51
157	Protective Properties of Dodecanethiol Layers on Copper Surfaces:â€‰ The Effect of Chloride Anions in Aqueous Environments. Langmuir, 2001, 17, 1483-1487.	1.6	57
158	Pattern Transfer Using Alkanethiolate-Protected Templates:â€‰ A New Approach in Polymeric Materials Nanofabrication. Nano Letters, 2001, 1, 291-294.	4.5	13
159	A model for molecular adsorption on the surface of a columnar structure including steric effects and adsorbateâ€“adsorbate repulsive interactions. Electrochimica Acta, 2001, 47, 405-413.	2.6	6
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