Holger SchÃ¶nherr

List of Publications by Year
in descending order

307	10,047	34105	60623
papers	citations	52 h-index	81 g-index

337	337	337	10410
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhanced Removal of Methylene Blue and Methyl Violet Dyes from Aqueous Solution Using a Nanocomposite of Hydrolyzed Polyacrylamide Grafted Xanthan Gum and Incorporated Nanosilica. ACS Applied Materials & Interfaces, 2014, 6, 4766-4777.	8.0	462
2	Nanoscale Hydrophobic Recovery:Â A Chemical Force Microscopy Study of UV/Ozone-Treated Cross-Linked Poly(dimethylsiloxane). Langmuir, 2004, 20, 785-794.	3.5	272
3	Ultrathin Films of Poly(ethylene oxides) on Oxidized Silicon. 1. Spectroscopic Characterization of Film Structure and Crystallization Kinetics. Macromolecules, 2003, 36, 1188-1198.	4.8	222
4	Superstability of Surface Nanobubbles. Physical Review Letters, 2007, 98, 204502.	7.8	190
5	Vesicle Adsorption and Lipid Bilayer Formation on Glass Studied by Atomic Force Microscopy. Langmuir, 2004, 20, 11600-11606.	3.5	188
6	Individual Supramolecular Hostâ^'Guest Interactions Studied by Dynamic Single Molecule Force Spectroscopy. Journal of the American Chemical Society, 2000, 122, 4963-4967.	13.7	179
7	Ultrathin Films of Poly(ethylene oxides) on Oxidized Silicon. 2. In Situ Study of Crystallization and Melting by Hot Stage AFM. Macromolecules, 2003, 36, 1199-1208.	4.8	179
8	Electrospinning of ultraâ€thin polymer fibers. Macromolecular Symposia, 1998, 127, 141-150.	0.7	165
9	Writing Patterns of Molecules on Molecular Printboards. Angewandte Chemie - International Edition, 2004, 43, 369-373.	13.8	162
10	Î²-Cyclodextrin Hostâ^'Guest Complexes Probed under Thermodynamic Equilibrium:Â Thermodynamics and AFM Force Spectroscopy. Journal of the American Chemical Society, 2004, 126, 1577-1584.	13.7	162
11	Chain Packing in Electro-Spun Poly(ethylene oxide) Visualized by Atomic Force Microscopy. Macromolecules, 1996, 29, 7634-7636.	4.8	136
12	Stretching and Rupturing Individual Supramolecular Polymer Chains by AFM. Angewandte Chemie - International Edition, 2005, 44, 956-959.	13.8	113
13	Blockâ€Copolymer Vesicles as Nanoreactors for Enzymatic Reactions. Small, 2009, 5, 1436-1445.	10.0	105
14	Microcontact Printing of Lipophilic Self-Assembled Monolayers for the Attachment of Biomimetic Lipid Bilayers to Surfaces. Journal of the American Chemical Society, 1999, 121, 5274-5280.	13.7	104
15	Enzyme Degradable Polymersomes from Hyaluronic Acid-block-poly(Îµ-caprolactone) Copolymers for the Detection of Enzymes of Pathogenic Bacteria. Biomacromolecules, 2015, 16, 832-841.	5.4	100
16	Structure of Alkyl and Perfluoroalkyl Disulfide and Azobenzenethiol Monolayers on Gold(111) Revealed by Atomic Force Microscopy. The Journal of Physical Chemistry, 1996, 100, 2290-2301.	2.9	99
17	Surface-Grafted, Covalently Cross-Linked Hydrogel Brushes with Tunable Interfacial and Bulk Properties. Macromolecules, 2011, 44, 5344-5351.	4.8	94
18	Force Spectroscopy of Quadruple H-Bonded Dimers by AFM:Â Dynamic Bond Rupture and Molecular Timeâ^'Temperature Superposition. Journal of the American Chemical Society, 2005, 127, 11230-11231.	13.7	92

#	Article	IF	Citations
19	Chain Length and Concentration Dependence of Î²-Cyclodextrinâ^'Ferrocene Hostâ^'Guest Complex Rupture Forces Probed by Dynamic Force Spectroscopy. Langmuir, 2002, 18, 6988-6994.	3.5	90
20	Self-Assembled Monolayers of Symmetrical and Mixed Alkyl Fluoroalkyl Disulfides on Gold. 1. Synthesis of Disulfides and Investigation of Monolayer Properties. Langmuir, 1996, 12, 3891-3897.	3.5	86
21	Self-Assembled Monolayers of Symmetrical and Mixed Alkyl Fluoroalkyl Disulfides on Gold. 2. Investigation of Thermal Stability and Phase Separation. Langmuir, 1996, 12, 3898-3904.	3.5	84
22	Self-Assembled Monolayers of Discotic Liquid Crystalline Thioethers, Discoid Disulfides, and Thiols on Gold:Â Molecular Engineering of Ordered Surfaces. Journal of the American Chemical Society, 1996, 118, 13051-13057.	13.7	83
23	Host-Guest Interactions at Self-Assembled Monolayers of Cyclodextrins on Gold. Chemistry - A European Journal, 2000, 6, 1176-1183.	3.3	81
24	Quantitative Nanotribology by AFM:Â A Novel Universal Calibration Platform. Langmuir, 2006, 22, 2340-2350.	3.5	80
25	Contact Angles of Surface Nanobubbles on Mixed Self-Assembled Monolayers with Systematically Varied Macroscopic Wettability by Atomic Force Microscopy. Langmuir, 2011, 27, 8223-8232.	3.5	80
26	Reactivity in the Confinement of Self-Assembled Monolayers:Â Chain Length Effects on the Hydrolysis ofN-Hydroxysuccinimide Ester Disulfides on Gold. Langmuir, 2003, 19, 5780-5786.	3.5	76
27	Two-Dimensional Structure of Disulfides and Thiols on Gold(111). Langmuir, 1998, 14, 808-815.	3.5	71
28	Batteryâ€like Supercapacitors from Vertically Aligned Carbon Nanofiber Coated Diamond: Design and Demonstrator. Advanced Energy Materials, 2018, 8, 1702947.	19.5	70
29	Supramolecular Microcontact Printing and Dip-Pen Nanolithography on Molecular Printboards. Chemistry - A European Journal, 2005, 11, 3988-3996.	3.3	69
30	Flexible Diamond Fibers for Highâ€Energyâ€Density Zincâ€Ion Supercapacitors. Advanced Energy Materials, 2020, 10, 2002202.	19.5	69
31	Electrochemical Supercapacitors from Diamond. Journal of Physical Chemistry C, 2015, 119, 18918-18926.	3.1	68
32	Îº-Carrageenan Enhances the Biomineralization and Osteogenic Differentiation of Electrospun Polyhydroxybutyrate and Polyhydroxybutyrate Valerate Fibers. Biomacromolecules, 2017, 18, 1563-1573.	5.4	68
33	Micro- and Nanofabrication of Robust Reactive Arrays Based on the Covalent Coupling of Dendrimers to Activated Monolayers. Langmuir, 2004, 20, 6216-6224.	3.5	64
34	Reactive Thin Polymer Films as Platforms for the Immobilization of Biomolecules. Biomacromolecules, 2005, 6, 3243-3251.	5.4	63
35	Morphology of Thermoplastic Elastomers:Â Elastomeric Polypropylene. Macromolecules, 2002, 35, 2654-2666.	4.8	62
36	Encapsulation of Autoinducer Sensing Reporter Bacteria in Reinforced Alginate-Based Microbeads. ACS Applied Materials & Interfaces, 2017, 9, 22321-22331.	8.0	62

#	Article	IF	Citations
37	Toward High Resolution Mapping of Functional Group Distributions at Surface-Treated Polymers by AFM Using Modified Tips. Macromolecules, 2000, 33, 4532-4537.	4.8	61
38	Achieving Ultrahigh Energy Densities of Supercapacitors with Porous Titanium Carbide/Boronâ€Doped Diamond Composite Electrodes. Advanced Energy Materials, 2019, 9, 1803623.	19.5	61
39	Photolithographic Polymerization of Diacetylene-Containing Phospholipid Bilayers Studied by Multimode Atomic Force Microscopy. Langmuir, 2003, 19, 6994-7002.	3.5	59
40	Antimicrobial Photodynamic Therapy: Latest Developments with a Focus on Combinatory Strategies. Pharmaceutics, 2021, 13, 1995.	4.5	59
41	Bioinspired Hierarchically Structured Surfaces for Efficient Capture and Release of Circulating Tumor Cells. ACS Applied Materials & Interfaces, 2017, 9, 8508-8518.	8.0	58
42	An Atomic Force Microscopy Study of Self-Assembled Monolayers of Calix[4]resorcinarene Adsorbates on Au(111). Langmuir, 1997, 13, 1567-1570.	3.5	57
43	Lattice Imaging of Self-Assembled Monolayers of Partially Fluorinated Disulfides and Thiols on Sputtered Gold by Atomic Force Microscopy. Langmuir, 1997, 13, 3769-3774.	3.5	56
44	Closed Mechanoelectrochemical Cycles of Individual Singleâ€Chain Macromolecular Motors by AFM. Angewandte Chemie - International Edition, 2007, 46, 8400-8404.	13.8	56
45	Surface Characterization of Oxyfluorinated Isotactic Polypropylene Films:Â Scanning Force Microscopy with Chemically Modified Probes and Contact Angle Measurements. Macromolecules, 1998, 31, 3679-3685.	4.8	55
46	Effect of Chirality on Cell Spreading and Differentiation: From Chiral Molecules to Chiral Self-Assembly. ACS Applied Materials & Interfaces, 2019, 11, 38568-38577.	8.0	55
47	Chemistry on Surface-Confined Molecules:Â An Approach to Anchor Isolated Functional Units to Surfaces. Journal of the American Chemical Society, 2001, 123, 6388-6395.	13.7	54
48	Nucleation and Crystallization of Low-Crystallinity Polypropylene Followed in Situ by Hot Stage Atomic Force Microscopy. Macromolecules, 2003, 36, 2412-2418.	4.8	54
49	Characterization of the Interaction between AFM Tips and Surface Nanobubbles. Langmuir, 2014, 30, 7112-7126.	3.5	54
50	Surface Nanobubbles Studied by Time-Resolved Fluorescence Microscopy Methods Combined with AFM: The Impact of Surface Treatment on Nanobubble Nucleation. Langmuir, 2016, 32, 11155-11163.	3.5	54
51	Ruthenium(II) Polypyridyl Complexes as Photosensitizers for Antibacterial Photodynamic Therapy: A Structureâ€“Activity Study on Clinical Bacterial Strains. ChemMedChem, 2018, 13, 2229-2239.	3.2	54
52	A nanoscopic view at the spherulitic morphology of isotactic polypropylene by atomic force microscopy. Polymer Bulletin, 1993, 30, 567-574.	3.3	53
53	Lattice Structure of Self-Assembled Monolayers of Dialkyl Sulfides and Calix[4]arene Sulfide Adsorbates on Au(111) Revealed by Atomic Force Microscopy. Langmuir, 1999, 15, 5541-5546.	3.5	53
54	Preparation of a Poly-nanocage Dynamer: Correlating the Growth of Polymer Strands Using Constitutional Dynamic Chemistry and Heteroleptic Aggregation. Journal of the American Chemical Society, 2012, 134, 150-153.	13.7	53

#	Article	IF	Citations
55	The effect of PeakForce tapping mode AFM imaging on the apparent shape of surface nanobubbles. Journal of Physics Condensed Matter, 2013, 25, 184005.	1.8	53
56	Force Spectroscopy of Individual Stimulus-Responsive Poly(ferrocenyldimethylsilane) Chains: Towards a Redox-Driven Macromolecular Motor. Macromolecular Rapid Communications, 2006, 27, 103-108.	3.9	52
57	Rapid Detection of Escherichia coli via Enzymatically Triggered Reactions in Self-Reporting Chitosan Hydrogels. ACS Applied Materials & Interfaces, 2015, 7, 20190-20199.	8.0	51
58	Dual Enzymeâ€Responsive Capsules of Hyaluronic Acidâ€blockâ€Poly(Lactic Acid) for Sensing Bacterial Enzymes. Macromolecular Rapid Communications, 2015, 36, 1248-1254.	3.9	50
59	Semifluorinated/Hydrogenated Alkylthiol Thin Films:Â A Comparison between Disulfides and Thiol Binary Mixtures. Langmuir, 2000, 16, 1734-1743.	3.5	49
60	Distributions of Functional Groups in Plasma Polymerized Allylamine Films by Scanning Force Microscopy Using Functionalized Probe Tips. Chemistry of Materials, 2000, 12, 3689-3694.	6.7	49
61	Nanoscale Thermal AFM of Polymers: Transient Heat Flow Effects. ACS Nano, 2010, 4, 6932-6940.	14.6	49
62	Scanning Force Microscopy of Polymers. , 2010, , .		49
63	Construction of Threeâ€Dimensional DNA Hydrogels from Linear Building Blocks. Angewandte Chemie - International Edition, 2014, 53, 8328-8332.	13.8	48
64	Enzyme-Sensing Chitosan Hydrogels. Langmuir, 2014, 30, 7842-7850.	3.5	48
65	Chemical Composition of Polymer Surfaces Imaged by Atomic Force Microscopyand Complementary Approaches. Advances in Polymer Science, 2005, , 55-129.	0.8	47
66	Self-Assembled Monolayers of Branched Thiols and Disulfides on Gold:Â Surface Coverage, Order and Chain Orientation. Langmuir, 1998, 14, 3003-3010.	3.5	46
67	Interfacial Reactions in Confinement:Â Kinetics and Temperature Dependence of Reactions in Self-Assembled Monolayers Compared to Ultrathin Polymer Films. Langmuir, 2003, 19, 10843-10851.	3.5	46
68	Fabrication of Robust Biomolecular Patterns by Reactive Microcontact Printing onN-Hydroxysuccinimide Ester-Containing Polymer Films. Advanced Functional Materials, 2006, 16, 1306-1312.	14.9	46
69	Mechanical properties of block copolymer vesicle membranes by atomic force microscopy. Soft Matter, 2009, 5, 4944.	2.7	46
70	Monitoring Surface Reactions at an AFM Tip:Â An Approach To Follow Reaction Kinetics in Self-Assembled Monolayers on the Nanometer Scale. Journal of the American Chemical Society, 2000, 122, 3679-3687.	13.7	44
71	Surface-Confined Metallodendrimers: Isolated Nanosize Molecules. Angewandte Chemie - International Edition, 1999, 38, 2248-2251.	13.8	43
72	Covalently cross-linked poly(acrylamide) brushes on gold with tunable mechanical properties via surface-initiated atom transfer radical polymerization. European Polymer Journal, 2013, 49, 1943-1951.	5.4	43

#	Article	IF	Citations
73	Dimensions and the Profile of Surface Nanobubbles: Tipâ€“Nanobubble Interactions and Nanobubble Deformation in Atomic Force Microscopy. Langmuir, 2014, 30, 11955-11965.	3.5	43
74	Green seaweeds ulvan-cellulose scaffolds enhance in vitro cell growth and in vivo angiogenesis for skin tissue engineering. Carbohydrate Polymers, 2021, 251, 117025.	10.2	43
75	Host-Guest Interactions at Self-Assembled Monolayers of Cyclodextrins on Gold. Chemistry - A European Journal, 2000, 6, 1176-1183.	3.3	42
76	Reactive Microcontact Printing on Block Copolymer Films: Exploiting Chemistry in Microcontacts for Sub-micrometer Patterning of Biomolecules. Advanced Materials, 2007, 19, 286-290.	21.0	42
77	Closer Look at the Effect of AFM Imaging Conditions on the Apparent Dimensions of Surface Nanobubbles. Langmuir, 2013, 29, 620-632.	3.5	42
78	Freeâ€Standing 3â€‰D Supramolecular Hybrid Particle Structures. Angewandte Chemie - International Edition, 2009, 48, 983-987.	13.8	41
79	Molecular Resolution Imaging and Friction Anisotropy of Highly Oriented Polyethylene and Poly(tetrafluoroethylene) by Scanning Force Microscopy with Chemically Modified Probes. Macromolecules, 1997, 30, 6391-6394.	4.8	40
80	Factors affecting the preparation of permanently end-grafted polystyrene layers. Polymer, 1999, 40, 525-530.	3.8	40
81	Analyzing the Surface Temperature Depression in Hot Stage Atomic Force Microscopy with Unheated Cantilevers:Â Application to the Crystallization of Poly(ethylene oxide). Langmuir, 2002, 18, 490-498.	3.5	40
82	Interfacial Reactions in Confinement:Â Kinetics and Temperature Dependence of the Surface Hydrolysis of Polystyrene-block-poly(tert-butyl acrylate) Thin Films. Langmuir, 2005, 21, 2356-2363.	3.5	40
83	Recent advances for understanding the role of nanobubbles in particles flotation. Advances in Colloid and Interface Science, 2021, 291, 102403.	14.7	40
84	Insertion of Individual Dendrimer Molecules into Self-Assembled Monolayers on Gold:Â A Mechanistic Study. Langmuir, 2000, 16, 7757-7763.	3.5	39
85	Xanthan Gum Hydrogels as High-Capacity Adsorbents for Dye Removal. ACS Applied Polymer Materials, 2021, 3, 3142-3152.	4.4	39
86	Polymerization of Diacetylene Phospholipid Bilayers on Solid Substrate:â€‰ Influence of the Film Deposition Temperature. Langmuir, 2007, 23, 12254-12260.	3.5	38
87	Control of Cell Attachment and Spreading on Poly(acrylamide) Brushes with Varied Grafting Density. Langmuir, 2016, 32, 838-847.	3.5	38
88	Supramolecular Materials: Molecular Packing of Tetranitrotetrapropoxycalix[4]arene in Highly Stable Films with Second-Order Nonlinear Optical Properties. Chemistry - A European Journal, 1998, 4, 1225-1234.	3.3	37
89	Grafting of Single, Stimuli-Responsive Poly(ferrocenylsilane) Polymer Chains to Gold Surfaces. Langmuir, 2004, 20, 6278-6287.	3.5	37
90	Dip-Pen Nanolithography on (Bio)Reactive Monolayer and Block-Copolymer Platforms: Deposition of Lines of Single Macromolecules. Small, 2006, 2, 1274-1282.	10.0	37

#	Article	IF	Citations
91	Single molecule force spectroscopy of smart poly(ferrocenylsilane) macromolecules: Towards highly controlled redox-driven single chain motors. Polymer, 2006, 47, 2483-2492.	3.8	37
92	Novel pH responsive hydrogels for controlled cell adhesion and triggered surface detachment. Soft Matter, 2012, 8, 9539.	2.7	37
93	Probing single enzyme kinetics in real-time. Chemical Society Reviews, 2009, 38, 2671.	38.1	35
94	Drug Release from Thermoâ€Responsive Polymer Brush Coatings to Control Bacterial Colonization and Biofilm Growth on Titanium Implants. Advanced Healthcare Materials, 2021, 10, e2100069.	7.6	35
95	Rupture Force of Single Supramolecular Bonds in Associative Polymers by AFM at Fixed Loading Rates. Journal of Physical Chemistry B, 2008, 112, 7359-7362.	2.6	34
96	Autonomously Sensing Hydrogels for the Rapid and Selective Detection of Pathogenic Bacteria. Macromolecular Rapid Communications, 2015, 36, 2123-2128.	3.9	34
97	Enhanced cell adhesion on a bio-inspired hierarchically structured polyester modified with gelatin-methacrylate. Biomaterials Science, 2018, 6, 785-792.	5.4	34
98	Electrophilic aromatic substitution in triphenylene discotics: Synthesis of alkoxynitrotriphenylenes. Liquid Crystals, 1999, 26, 1455-1466.	2.2	33
99	Unraveling the nanostructure of supramolecular assemblies of hydrogen-bonded rosettes on graphite: An atomic force microscopy study. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 5024-5027.	7.1	33
100	Controlled Wettability of Diamond/Î²-SiC Composite Thin Films for Biosensoric Applications. Journal of Physical Chemistry C, 2010, 114, 20207-20212.	3.1	33
101	Calibration of Friction Force Signals in Atomic Force Microscopy in Liquid Media. Langmuir, 2007, 23, 7078-7082.	3.5	32
102	Block Copolymer Brushes for Completely Decoupled Control of Determinants of Cellâ€“Surface Interactions. Angewandte Chemie - International Edition, 2016, 55, 13114-13117.	13.8	32
103	Hydrodynamic effects of the tip movement on surface nanobubbles: a combined tapping mode, lift mode and force volume mode AFM study. Soft Matter, 2014, 10, 5945-5954.	2.7	31
104	Real Time Monitoring of Layer-by-Layer Polyelectrolyte Deposition and Bacterial Enzyme Detection in Nanoporous Anodized Aluminum Oxide. Analytical Chemistry, 2015, 87, 3856-3863.	6.5	31
105	Comparative multi-generation study on long-term effects of pristine and wastewater-borne silver and titanium dioxide nanoparticles on key lifecycle parameters in Daphnia magna. NanoImpact, 2019, 14, 100163.	4.5	31
106	Atomic Force Microscopy of Elastomers: Morphology, Distribution of Filler Particles, and Adhesion Using Chemically Modified Tips. Rubber Chemistry and Technology, 1999, 72, 862-875.	1.2	30
107	Tribological properties of self-assembled monolayers of fluorocarbon and hydrocarbon thiols and disulfides on Au(111) studied by scanning force microscopy. Materials Science and Engineering C, 1999, 8-9, 243-249.	7.3	30
108	Controlled Surface Chemistry of Diamond/Î²-SiC Composite Films for Preferential Protein Adsorption. Langmuir, 2014, 30, 1089-1099.	3.5	30

#	Article	IF	Citations
109	Smart and regeneratable Xanthan gum hydrogel adsorbents for selective removal of cationic dyes. Journal of Environmental Chemical Engineering, 2022, 10, 107620.	6.7	30
110	The structure of highly textured quasi-single-crystalline high-density polyethylene probed by atomic force microscopy and small-angle X-ray scattering. Polymer, 1995, 36, 2115-2121.	3.8	28
111	Inverted Microcontact Printing on Polystyrene-block-Poly(tert-butyl acrylate) Films: A Versatile Approach to Fabricate Structured Biointerfaces Across the Length Scales. Langmuir, 2008, 24, 8841-8849.	3.5	28
112	Encapsulation and Release of Molecular Cargos via Temperatureâ€Induced Vesicleâ€Toâ€Micelle Transitions. Small, 2010, 6, 2762-2768.	10.0	28
113	Synthesis and characterization of well-defined ligand-terminated block copolymer brushes for multifunctional biointerfaces. Polymer, 2016, 98, 409-420.	3.8	28
114	Pristine DNA Hydrogels from Biotechnologically Derived Plasmid DNA. Angewandte Chemie - International Edition, 2017, 56, 12004-12008.	13.8	28
115	Spatiotemporal distribution of silver and silver-containing nanoparticles in a prealpine lake in relation to the discharge from a wastewater treatment plant. Science of the Total Environment, 2019, 696, 134034.	8.0	28
116	Anchoring and orientational wetting of nematic liquid crystals on semi-fluorinated self-assembled monolayer surfaces. Europhysics Letters, 2002, 59, 410-416.	2.0	27
117	Atomic Force Microscopy Based Thermal Lithography of Poly(tert-butyl acrylate) Block Copolymer Films for Bioconjugation. Langmuir, 2008, 24, 10825-10832.	3.5	27
118	3D 3Câ€SiC/Graphene Hybrid Nanolaminate Films for Highâ€Performance Supercapacitors. Small, 2018, 14, e1801857.	10.0	27
119	â€œClickableâ€•and Antifouling Block Copolymer Brushes as a Versatile Platform for Peptideâ€Specific Cell Attachment. Macromolecular Bioscience, 2020, 20, e1900354.	4.1	27
120	Surface properties of oxidized LDPE by scanning force microscopy with chemically modified probes. Journal of Polymer Science, Part B: Polymer Physics, 1998, 36, 2483-2492.	2.1	26
121	Hydrogen-Bonded Assemblies as a Scaffold for Metal-Containing Nanostructures:â€‰ From Zero to Two Dimensions. Nano Letters, 2004, 4, 441-446.	9.1	26
122	Freestanding 3D Supramolecular Particle Bridges: Fabrication and Mechanical Behavior. Small, 2009, 5, 1428-1435.	10.0	26
123	Multi-Ligand-Binding Flavoprotein Dodecin as a Key Element for Reversible Surface Modification in Nano-biotechnology. ACS Nano, 2015, 9, 3491-3500.	14.6	26
124	The Effect of Size and Geometry of Poly(acrylamide) Brush-Based Micropatterns on the Behavior of Cells. ACS Applied Materials & Interfaces, 2016, 8, 23591-23603.	8.0	26
125	Biomineralization potential and cellular response of PHB and PHBV blends with natural anionic polysaccharides. Materials Science and Engineering C, 2017, 76, 13-24.	7.3	26
126	Selective Discrimination of Key Enzymes of Pathogenic and Nonpathogenic Bacteria on Autonomously Reporting Shape-Encoded Hydrogel Patterns. ACS Applied Materials & Interfaces, 2018, 10, 5175-5184.	8.0	26

#	Article	IF	Citations
127	Phosphorusâ€Doped Nanocrystalline Diamond for Supercapacitor Application. ChemElectroChem, 2019, 6, 1088-1093.	3.4	26
128	Tunable Photoâ€Electrochemistry of Patterned TiO₂/BDD Heterojunctions. Small Methods, 2020, 4, 2000257.	8.6	26
129	Impact of wastewater-borne nanoparticles of silver and titanium dioxide on the swimming behaviour and biochemical markers of Daphnia magna: An integrated approach. Aquatic Toxicology, 2020, 220, 105404.	4.0	26
130	First examples of functionalized triphenylene discotic dimers: molecular engineering of advanced materials. Liquid Crystals, 1999, 26, 1567-1571.	2.2	25
131	Poly(ester-ether)s: III. assessment of cell behaviour on nanofibrous scaffolds of PCL, PLLA and PDX blended with amorphous PMeDX. Journal of Materials Chemistry B, 2015, 3, 673-687.	5.8	25
132	Temperatureâ€Controlled Antimicrobial Release from Poly(diethylene glycol methylether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td (Growth. Macromolecular Chemistry and Physics, 2016, 217, 2243-2251.	2.2	25
133	Thickness Dependence of Bovine Serum Albumin Adsorption on Thin Thermoresponsive Poly(diethylene) Tj ETQq1 1 0.784314 rgBT /O 2016, 32, 9360-9370.	3.5	25
134	Modeling the Interaction between AFM Tips and Pinned Surface Nanobubbles. Langmuir, 2016, 32, 751-758.	3.5	25
135	Enhanced Differentiation of Human Preosteoblasts on Electrospun Blend Fiber Mats of Polydioxanone and Anionic Sulfated Polysaccharides. ACS Biomaterials Science and Engineering, 2017, 3, 3447-3458.	5.2	25
136	The mechanism of PTFE and PE friction deposition: a combined scanning electron and scanning force microscopy study on highly oriented polymeric sliders. Polymer, 1998, 39, 5705-5709.	3.8	24
137	New Combinatorial Approach for the Investigation of Kinetics and Temperature Dependence of Surface Reactions in Thin Organic Films. Langmuir, 2005, 21, 4393-4399.	3.5	24
138	Preferred sizes and ordering in surface nanobubble populations. Physical Review E, 2009, 80, 036315.	2.1	24
139	Non-Covalent Chemistry on Surface-Confined, Isolated Dendrimers. Advanced Functional Materials, 2002, 12, 811-818.	14.9	23
140	Compositional Mapping of Polymer Surfaces by Chemical Force Microscopy Down to the Nanometer Scale: Reactions in Block Copolymer Microdomains. Macromolecular Symposia, 2005, 230, 149-157.	0.7	23
141	Reactive Î¼CP on ultrathin block copolymer films: Localized chemistry for micro- and nano-scale biomolecular patterning. European Polymer Journal, 2006, 42, 1954-1965.	5.4	23
142	Entropic Effects on the Mechanical Behavior of Dry Polymer Brushes During Nanoindentation by Atomic Force Microscopy. Macromolecules, 2011, 44, 368-374.	4.8	23
143	Catalytic tar removal using TiO2/NiWO4-Ni5TiO7 films. Applied Catalysis B: Environmental, 2019, 249, 155-162.	20.2	23
144	Cation sensing by patterned self-assembled monolayers on gold. Perkin Transactions II RSC, 2000, , 2141-2146.	1.1	22

#	Article	IF	Citations
145	Tunable Complex Stability in Surface Molecular Recognition Mediated by Self-Complementary Quadruple Hydrogen Bonds. Langmuir, 2003, 19, 8618-8621.	3.5	22
146	Nanomechanical Properties of Oligo(ethylene glycol methacrylate) Polymer Brushâ€Based Biointerfaces. Advanced Engineering Materials, 2011, 13, B369.	3.5	22
147	A Highly Efficient Selfâ€Assembly of Responsive C₂â€Cyclohexaneâ€Derived Gelators. Macromolecular Rapid Communications, 2012, 33, 1535-1541.	3.9	22
148	Protein Encapsulation: A Nanocarrier Approach to the Fluorescence Imaging of an Enzyme-Based Biomarker. Frontiers in Chemistry, 2020, 8, 389.	3.6	22
149	Multiplexed detection and differentiation of bacterial enzymes and bacteria by color-encoded sensor hydrogels. Bioactive Materials, 2021, 6, 4286-4300.	15.6	22
150	Surface Morphology and Molecular Ordering in Thin Films of Polymerizable Triphenylene Discotic Liquid Crystals on HOPG Revealed by Atomic Force Microscopy. Langmuir, 2002, 18, 7082-7085.	3.5	21
151	Pushing the Size Limits in the Replication of Nanopores in Anodized Aluminum Oxide via the Layer-by-Layer Deposition of Polyelectrolytes. Langmuir, 2012, 28, 10091-10096.	3.5	21
152	Improved synthesis of anodized aluminum oxide with modulated pore diameters for the fabrication of polymeric nanotubes. RSC Advances, 2013, 3, 13429.	3.6	21
153	Multimodal microscopy-based identification of surface nanobubbles. Journal of Colloid and Interface Science, 2019, 547, 162-170.	9.4	21
154	Morphological studies of ordered, solid polymers by scanning force microscopy. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1994, 87, 263-275.	4.7	20
155	Probing buried carbon nanotubes within polymerâ€“nanotube composite matrices by atomic force microscopy. European Polymer Journal, 2007, 43, 4136-4142.	5.4	20
156	Poly(ester-ether)s: II. Properties of electrospun nanofibres from polydioxanone and poly(methyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30	5.4	20
157	Stretching and Rupturing Individual Supramolecular Polymer Chains by AFM. Angewandte Chemie, 2005, 117, 978-981.	2.0	19
158	Bacterial Enzyme Responsive Polymersomes: A Closer Look at the Degradation Mechanism of PEG-block-PLA Vesicles. Australian Journal of Chemistry, 2014, 67, 578.	0.9	19
159	Forces and Thin Water Film Drainage in Deformable Asymmetric Nanoscale Contacts. ACS Nano, 2015, 9, 12-15.	14.6	19
160	Three-Dimensional Microstructured Poly(vinyl alcohol) Hydrogel Platform for the Controlled Formation of Multicellular Cell Spheroids. Biomacromolecules, 2018, 19, 158-166.	5.4	19
161	Improved Multicellular Response, Biomimetic Mineralization, Angiogenesis, and Reduced Foreign Body Response of Modified Polydioxanone Scaffolds for Skeletal Tissue Regeneration. ACS Applied Materials & Interfaces, 2019, 11, 5834-5850.	8.0	19
162	Ultra-high energy density supercapacitors using a nickel phosphide/nickel/titanium carbide nanocomposite capacitor electrode. Nanoscale, 2020, 12, 13618-13625.	5.6	19

#	Article	IF	Citations
163	Quantitative E. coli Enzyme Detection in Reporter Hydrogel-Coated Paper Using a Smartphone Camera. Biosensors, 2021, 11, 25.	4.7	19
164	Surface relaxations of poly(methyl methacrylate) assessed by friction force microscopy on the nanoscale. Soft Matter, 2009, 5, 1489.	2.7	18
165	Colloidal force probe study of poly(di(ethylene glycol)methylether methacrylate) homopolymer brush layers in aqueous media at different temperatures. European Polymer Journal, 2017, 89, 440-448.	5.4	18
166	8-Styryl-substituted coralyne derivatives as DNA binding fluorescent probes. RSC Advances, 2017, 7, 10660-10667.	3.6	18
167	Thickness-Encoded Micropatterns in One-Component Thermoresponsive Polymer Brushes for Culture and Triggered Release of Pancreatic Tumor Cell Monolayers and Spheroids. Langmuir, 2018, 34, 14670-14677.	3.5	18
168	Surface nanobubbles studied by atomic force microscopy techniques: Facts, fiction, and open questions. Japanese Journal of Applied Physics, 2016, 55, 08NA01.	1.5	17
169	Control of the structure and properties of SEBS nanocomposites via chemical modification of graphene with polymer brushes. European Polymer Journal, 2017, 97, 1-13.	5.4	17
170	Fluorimetric Detection of G-Quadruplex DNA in Solution and Adsorbed on Surfaces with a Selective Trinuclear Cyanine Dye. Langmuir, 2018, 34, 11866-11877.	3.5	17
171	Towards Multiplexed Bacteria Detection by Enzyme Responsive Hydrogels. Macromolecular Symposia, 2018, 379, 1600178.	0.7	17
172	Enhanced Colorimetric Differentiation between Staphylococcus aureus and Pseudomonas aeruginosa Using a Shape-Encoded Sensor Hydrogel. ACS Applied Bio Materials, 2020, 3, 4398-4407.	4.6	17
173	Restoring Endogenous Repair Mechanisms to Heal Chronic Wounds with a Multifunctional Wound Dressing. Molecular Pharmaceutics, 2021, 18, 3171-3180.	4.6	17
174	Towards mapping of functional group distributions in functional polymers by AFM force titration measurements. Chemical Communications, 2000, , 1303-1304.	4.1	16
175	Î±â€Chymotrypsinâ€Catalyzed Reaction Confined in Blockâ€Copolymer Vesicles. ChemPhysChem, 2010, 11, 3534-3540.	2.1	16
176	Tailored (Bio)Interfaces via Surface Initiated Polymerization: Control of Grafting Density and New Responsive Diblock Copolymer Brushes. Macromolecular Symposia, 2013, 328, 64-72.	0.7	16
177	Self-reporting hydrogels rapidly differentiate among enterohemorrhagic Escherichia coli (EHEC) and non-virulent Escherichia coli (K12). European Polymer Journal, 2016, 81, 257-265.	5.4	16
178	Autoinducer Sensing Microarrays by Reporter Bacteria Encapsulated in Hybrid Supramolecularâ€Polysaccharide Hydrogels. Macromolecular Bioscience, 2017, 17, 1700176.	4.1	16
179	Thin Poly(Di(Ethylene Glycol)Methyl Ether Methacrylate) Homopolymer Brushes Allow Controlled Adsorption and Desorption of PaTu 8988t Cells. Macromolecular Bioscience, 2017, 17, 1600337.	4.1	16
180	Amphiphilic Block Copolymer Vesicles for Active Wound Dressings: Synthesis of Model Systems and Studies of Encapsulation and Release. Macromolecular Symposia, 2013, 328, 73-79.	0.7	15

#	Article	IF	Citations
181	Molecular Beacon Modified Sensor Chips for Oligonucleotide Detection with Optical Readout. Langmuir, 2014, 30, 14360-14367.	3.5	15
182	Detailed Study of BSA Adsorption on Micro- and Nanocrystalline Diamond/Î²-SiC Composite Gradient Films by Time-Resolved Fluorescence Microscopy. Langmuir, 2017, 33, 802-813.	3.5	15
183	Scanning Force Microscopy Studies on Molecular Packing and Friction Anisotropy in Thin Films of Tetranitrotetrapropoxycalix[4]arene. Langmuir, 1998, 14, 2801-2809.	3.5	14
184	Tailored interfaces for biosensors and cell-surface interaction studies via activation and derivatization of polystyrene-block-poly(tert-butyl acrylate) thin films. European Polymer Journal, 2007, 43, 2177-2190.	5.4	14
185	Patterns of surface immobilized block copolymer vesicle nanoreactors. European Polymer Journal, 2011, 47, 130-138.	5.4	14
186	Fabrication of Complex Free-Standing Nanostructures with Concave and Convex Curvature via the Layer-by-Layer Approach. Langmuir, 2014, 30, 1723-1728.	3.5	14
187	Colorimetric and Fluorimetric DNA Detection with a Hydroxystyrylâ€“Quinolizinium Photoacid and Its Application for Cell Imaging. Chemistry - A European Journal, 2019, 25, 12703-12707.	3.3	14
188	Propagation and Purification of Human Induced Pluripotent Stem Cells with Selective Homopolymer Release Surfaces. Angewandte Chemie - International Edition, 2019, 58, 10563-10566.	13.8	14
189	Unraveling the nanomechanical properties of surface-grafted conjugated polymer brushes with ladder-like architecture. Polymer Chemistry, 2020, 11, 7050-7062.	3.9	14
190	Electrochemistry of nitrogen and boron Bi-element incorporated diamond films. Carbon, 2021, 178, 19-25.	10.3	14
191	Spontaneous Resolution of Racemic Hydrogen-Bonded Nanoassemblies on Graphite Revealed by Atomic Force Microscopy. Advanced Materials, 2004, 16, 1416-1420.	21.0	13
192	Organic and Macromolecular Films and Assemblies as (Bio)reactive Platforms: From Model Studies on Structureâ€“Reactivity Relationships to Submicrometer Patterning. Advances in Polymer Science, 2005, , 169-208.	0.8	13
193	Development of a high velocity accessory for atomic force microscopy-based friction measurements. Review of Scientific Instruments, 2005, 76, 083704.	1.3	13
194	Self-Organization of Gold-Containing Hydrogen-Bonded Rosette Assemblies on Graphite Surface. Langmuir, 2007, 23, 10294-10298.	3.5	13
195	Probing chemical reactions on the nanometer scale: Inverted chemical force microscopy of reactive self-assembled monolayers. Surface Science, 2004, 570, 57-66.	1.9	12
196	Atomic Force Microscopy Assisted Immobilization of Lipid Vesicles. Langmuir, 2004, 20, 7308-7312.	3.5	12
197	Reactive Î¼CP on Ultrathin Block Copolymer Films:Â Investigation of the Î¼CP Mechanism and Application to Sub-Î¼m (Bio)molecular Patterning. Langmuir, 2007, 23, 1131-1140.	3.5	12
198	Friction and Surface Dynamics of Polymers on the Nanoscale by AFM. Topics in Current Chemistry, 2008, 285, 103-156.	4.0	12

#	Article	IF	Citations
199	Self-Complementary Recognition of Supramolecular Ureaâ€“Aminotriazines in Solution and on Surfaces. Langmuir, 2011, 27, 14272-14278.	3.5	12
200	Forced Unbinding of Individual Ureaâ€“Aminotriazine Supramolecular Polymers by Atomic Force Microscopy: A Closer Look at the Potential Energy Landscape and Binding Lengths at Fixed Loading Rates. Journal of Physical Chemistry B, 2012, 116, 565-570.	2.6	12
201	The Flavoprotein Dodecin as a Redox Probe for Electron Transfer through DNA. Angewandte Chemie - International Edition, 2013, 52, 4950-4953.	13.8	12
202	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.	3.5	12
203	Isolated Reporter Bacteria in Supramolecular Hydrogel Microwell Arrays. Langmuir, 2017, 33, 7799-7809.	3.5	12
204	Hyaluronic Acidâ€“Modified Porous Silicon Films for the Electrochemical Sensing of Bacterial Hyaluronidase. Macromolecular Rapid Communications, 2018, 39, e1800178.	3.9	12
205	Giant Biodegradable Poly(ethylene glycol)â€blockâ€Poly(Îµâ€caprolactone) Polymersomes by Electroformation. Macromolecular Bioscience, 2020, 20, e2000014.	4.1	12
206	Scanning Near-Field EllipsometryMicroscopy: imaging nanomaterials with resolution below the diffraction limit. Nanoscale, 2011, 3, 233-239.	5.6	11
207	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.	3.5	11
208	Probing of local polarity in poly(methyl methacrylate) with the charge transfer transition in Nile red. Beilstein Journal of Organic Chemistry, 2019, 15, 2552-2562.	2.2	11
209	Toward Label-Free Selective Cell Separation of Different Eukaryotic Cell Lines Using Thermoresponsive Homopolymer Layers. ACS Applied Bio Materials, 2019, 2, 2557-2566.	4.6	11
210	Control of Orientation, Formation of Ordered Structures, and Self-Sorting of Surface-Functionalized Microcubes at the Airâ€“Water Interface. Langmuir, 2019, 35, 6742-6751.	3.5	11
211	Tailored Combinatorial Microcompartments through the Selfâ€Organization of Microobjects: Assembly, Characterization, and Cell Studies. Angewandte Chemie - International Edition, 2019, 58, 5246-5250.	13.8	11
212	Poly(diethylene glycol methylether methacrylate) Brush-Functionalized Anodic Alumina Nanopores: Curvature-Dependent Polymerization Kinetics and Nanopore Filling. Langmuir, 2020, 36, 2663-2672.	3.5	11
213	Enzyme-Responsive Biopolymeric Nanogel Fibers by Extrusion: Engineering of High-Surface-Area Hydrogels and Application in Bacterial Enzyme Detection. ACS Applied Materials & Interfaces, 2021, 13, 12928-12940.	8.0	11
214	Scanning tunneling microscopy investigation of tricycloquinazoline liquid crystals on gold. Thin Solid Films, 2000, 358, 241-249.	1.8	10
215	Atomic Force Microscopy-Based Single-Molecule Force Spectroscopy of Synthetic Supramolecular Dimers and Polymers. , 2006, , 315-353.		10
216	Reactive Imprint Lithography: Combined Topographical Patterning and Chemical Surface Functionalization of Polystyreneâ€blockâ€poly(tertâ€butyl acrylate) Films. Advanced Functional Materials, 2010, 20, 460-468.	14.9	10

#	Article	IF	Citations
217	Structural and morphological changes of P3HT films in the planar geometry of an OFET device under an applied electric field. European Polymer Journal, 2011, 47, 2189-2196.	5.4	10
218	Substrate effect and application of the elastic foundation model to evaluate atomic force microscope nanoindentations of thin polymeric films. Polymer Engineering and Science, 2011, 51, 1507-1512.	3.1	10
219	Detailed Analysis of Pancreatic Tumor Cell Attachment on Gradient PDEGMA Brushes. Macromolecular Bioscience, 2018, 18, 1700317.	4.1	10
220	Supercapacitors: Batteryâ€like Supercapacitors from Vertically Aligned Carbon Nanofiber Coated Diamond: Design and Demonstrator (Adv. Energy Mater. 12/2018). Advanced Energy Materials, 2018, 8, 1870054.	19.5	10
221	Thermal Hardening and Defects in Anodic Aluminum Oxide Obtained in Oxalic Acid: Implications for the Template Synthesis of Low-Dimensional Nanostructures. ACS Applied Nano Materials, 2019, 2, 1986-1994.	5.0	10
222	Low Friction in CuO-Doped Yttria-Stabilized Tetragonal Zirconia Ceramics: A Complementary Macro- and Nanotribology Study. Journal of the American Ceramic Society, 2008, 91, 1646-1652.	3.8	9
223	Rapid remote detection of Escherichia coli via a reporter-hydrogel coated glass fiber tip. European Polymer Journal, 2015, 72, 180-189.	5.4	9
224	Determination of the Wall Thickness of Block Copolymer Vesicles by Fluorescence Lifetime Imaging Microscopy. Macromolecular Chemistry and Physics, 2017, 218, 1600454.	2.2	9
225	Interplay of Template Constraints and Microphase Separation in Polymeric Nano-Objects Replicated from Novel Modulated and Interconnected Nanoporous Anodic Alumina. ACS Applied Nano Materials, 2018, 1, 200-208.	5.0	9
226	Micropatterning and nanopatterning with polymeric materials for advanced biointerfaceâ€controlled systems. Polymer International, 2019, 68, 1015-1032.	3.1	9
227	Hierarchical Carbon Nanofibers@Nickel Phosphide Nanoparticles for Highâ€Performance Supercapacitors. Small Structures, 2022, 3, 2100183.	12.0	9
228	Monolayers of asymmetrical diethylalkanoat disulfides on gold(111):.the influence of chain length difference on atomic force microscope images. Applied Physics A: Materials Science and Processing, 1998, 66, S1261-S1266.	2.3	8
229	Influence of Grain Size and Humidity on the Nanotribological Properties of Wear-Resistant Nanostructured ZrO2 Coatings: An Atomic Force Microscopy Study. Journal of the American Ceramic Society, 2005, 88, 2498-2503.	3.8	8
230	Scanning Thermal Lithography of Tailored tert-Butyl Ester Protected Carboxylic Acid Functionalized (Meth)acrylate Polymer Platforms. ACS Applied Materials & Interfaces, 2011, 3, 3855-3865.	8.0	8
231	Optimized Model Surfaces for Advanced Atomic Force Microscopy Studies of Surface Nanobubbles. Langmuir, 2016, 32, 11179-11187.	3.5	8
232	Molecular Alignment and Nanotribology of Polymeric Solids Studied by Lateral Force Microscopy. ACS Symposium Series, 1999, , 317-335.	0.5	7
233	Inverted chemical force microscopy: following interfacial reactions on the nanometer scale. European Polymer Journal, 2004, 40, 939-947.	5.4	7
234	Effect of crystal habit and superstructure on modulus of elasticity of isotactic polypropylene by AFM nanoindentation. Journal of Materials Science, 2012, 47, 3040-3045.	3.7	7

#	Article	IF	Citations
235	Impact of substrate temperature on the structure and electrical performance of vacuum-deposited Î±,Ì±â€²-DH5T oligothiophene thin films. RSC Advances, 2016, 6, 115085-115091.	3.6	7
236	Longâ€Term Stable Poly(acrylamide) Brush Modified Transparent Microwells for Cell Attachment Studies in 3D. Macromolecular Bioscience, 2017, 17, 1600451.	4.1	7
237	Guided assembly, nanostructuring and functionalization with brushes of microscale polymer cubes for tailored 3-D cell microenvironments. European Polymer Journal, 2019, 113, 47-51.	5.4	7
238	Investigation of the Fate of Silver and Titanium Dioxide Nanoparticles in Model Wastewater Effluents via Selected Area Electron Diffraction. Environmental Science & Technology, 2020, 54, 8681-8689.	10.0	7
239	Nanomechanical Properties of Advanced Plasma Polymerized Coatings for Mechanical Data Storage. Journal of Physical Chemistry B, 2011, 115, 3385-3391.	2.6	6
240	Photoinduced formation of stable Ag-nanoparticles from a ternary ligand-DNA-Ag+ complex. Organic and Biomolecular Chemistry, 2015, 13, 3766-3770.	2.8	6
241	Block Copolymer Brushes for Completely Decoupled Control of Determinants of Cellâ€“Surface Interactions. Angewandte Chemie, 2016, 128, 13308-13311.	2.0	6
242	DNAâ€Hydrogele aus Plasmidâ€DNA. Angewandte Chemie, 2017, 129, 12167-12171.	2.0	6
243	Rapid determination of binding parameters of chitin binding domains using chitin-coated quartz crystal microbalance sensor chips. Analyst, The, 2018, 143, 5255-5263.	3.5	6
244	Synthesis of end group-functionalized PGMA-peptide brush platforms for specific cell attachment by interface-mediated dissociative electron transfer reversible addition-fragmentation chain transfer radical (DET-RAFT) polymerization. European Polymer Journal, 2021, 148, 110370.	5.4	6
245	Atomic Force Microscopy in Practice. , 2010, , 25-75.		5
246	Microrheology of growing Escherichia coli biofilms investigated by using magnetic force modulation atomic force microscopy. Biointerphases, 2016, 11, 041005.	1.6	5
247	Polysucrose-based hydrogels for loading of small molecules and cell growth. Reactive and Functional Polymers, 2017, 115, 18-27.	4.1	5
248	Reconfigurable Microcube Assemblies at the Liquid/Air Interface: The Impact of Surface Tension on Orientation and Capillary-Force-Interaction-Driven Assembly. Langmuir, 2019, 35, 7791-7797.	3.5	5
249	Anodic Aluminum Oxide Nanopore Template-Assisted Fabrication of Nanostructured Poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock	4.6	5
250	In Situ Study of Layer-by-Layer Polyelectrolyte Deposition in Nanopores of Anodic Aluminum Oxide by Reflectometric Interference Spectroscopy. Langmuir, 2020, 36, 1907-1915.	3.5	5
251	Nanoporous Thin Films as Highly Versatile and Sensitive Waveguide Biosensors. , 0, , 383-401.		5
252	Kinetics and Domain Formation in Surface Reactions by Inverted Chemical Force Microscopy and FTIR Spectroscopy. ACS Symposium Series, 2000, , 36-57.	0.5	4

#	Article	IF	Citations
253	Asymmetric multifunctional 3D cell microenvironments by capillary force assembly. Journal of Materials Chemistry B, 2019, 7, 3560-3568.	5.8	4
254	Tailored Combinatorial Microcompartments through the Selfâ€Organization of Microobjects: Assembly, Characterization, and Cell Studies. Angewandte Chemie, 2019, 131, 5300-5304.	2.0	4
255	Superoleophilic-Hydrophobic Kapok Oil Sorbents via Energy Efficient Carbonization. Journal of Natural Fibers, 2022, 19, 12398-12414.	3.1	4
256	AFM Study on Lattice Orientation and Tribology of SAMS of Fluorinated Thiols and Disulfides on Au(111): The Influence of the Molecular Structure. ACS Symposium Series, 2001, , 15-30.	0.5	3
257	Chemical Force Microscopy: Nanometer-Scale Surface Analysis with Chemical Sensitivity. , 2006, , 275-314.		3
258	Cyanate Ester Resins as Thermally Stable Adhesives for PEEK. , 0, , 145-164.		3
259	The investigation of cell adhesion on nano-patterned biointerfaces of block copolymer films by reactive microcontact printing approach. Journal of Controlled Release, 2011, 152, e201-e202.	9.9	3
260	Photoresponsive Supramolecular Hydrogel Co-assembled from Fmoc-Phe-OH and 4,4â€²-Azopyridine for Controllable Dye Release. Chinese Journal of Polymer Science (English Edition), 2019, 37, 437-443.	3.8	3
261	Geometrical Constraints of Poly(diethylene glycol methyl ether methacrylate) Brushes on Spherical Nanoparticles and Cylindrical Nanowires: Implications for Thermoresponsive Brushes on Nanoobjects. ACS Applied Nano Materials, 2020, 3, 3693-3705.	5.0	3
262	Scanning planar Yagi-Uda antenna for fluorescence detection. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 2528.	2.1	3
263	Solid-Supported Bilayer Lipid Membranes. , 0, , 221-232.		3
264	Polymer Surface and Interface Properties and (Dynamic) Processes. , 2010, , 189-236.		3
265	Carboxylic Acid End-Capped Brushes on Titanium via Interface-Mediated RAFT Polymerization and Cellâ€“Surface Interactions. ACS Applied Polymer Materials, 2022, 4, 755-765.	4.4	3
266	Morphology, Chain Packing, and Conformation in Uniaxially Oriented Polymers Studied by Scanning Force Microscopy. ACS Symposium Series, 1998, , 67-93.	0.5	2
267	An Acid Test: Facile SIâ€ARGETâ€ATRP of Methacrylic Acid. Macromolecular Chemistry and Physics, 2018, 219, 1800182.	2.2	2
268	Phase Transitions and Formation of a Monolayer-Type Structure in Thin Oligothiophene Films: Exploration with a Combined In Situ X-ray Diffraction and Electrical Measurements. Nanoscale Research Letters, 2019, 14, 185.	5.7	2
269	Enhancing DPCD in Liquid Products by Mechanical Inactivation Effects: Assessment of Feasibility. Chemie-Ingenieur-Technik, 2020, 92, 1122-1125.	0.8	2
270	A Dimethylaminophenylâ€Substituted Naphtho[1,2â€b]quinolizinium as a Multicolor NIR Probe for the Fluorimetric Detection of Intracellular Nucleic Acids and Proteins. ChemPhotoChem, 2021, 5, 1079-1088.	3.0	2

#	Article	IF	Citations
271	Stimuli-Responsive Polymer Brushes. , 0, , 125-144.		2
272	Superstability of surface nanobubbles. SOCAR Proceedings, 2011, , 64-68.	0.2	2
273	Strong emission of excimers realized by dense packing of pyrenes in tailored bola-amphiphile nano assemblies. Cell Reports Physical Science, 2022, 3, 100734.	5.6	2
274	9-Nitrobenzo[b]quinolizinium as a fluorogenic probe for the detection of nitroreductase in vitro and in Escherichia coli. New Journal of Chemistry, 2021, 46, 39-43.	2.8	2
275	Individual Supramolecular Host-Guest Interactions Probed by Dynamic Single Molecule Force Spectroscopy. ACS Symposium Series, 2000, , 113-128.	0.5	1
276	Physical Principles of Scanning Probe Microscopy Imaging. , 2010, , 3-24.		1
277	Implementation of Specific Bioconjugation in Polystyreneâ€blockâ€poly(tertâ€butyl) Tj ETQq1 1 0.784314 rgBT /Overlo	0.7	1
278	Scanning Thermal Lithography as a Tool for Highly Localized Nanoscale Chemical Surface Functionalization. Materials Research Society Symposia Proceedings, 2011, 1318, 1.	0.1	1
279	Australian European Selfâ€Assembly through Macromolecular Interactions. Macromolecular Chemistry and Physics, 2016, 217, 2207-2208.	2.2	1
280	Propagation and Purification of Human Induced Pluripotent Stem Cells with Selective Homopolymer Release Surfaces. Angewandte Chemie, 2019, 131, 10673-10676.	2.0	1
281	A scanning planar Yagi-Uda antenna for fluorescence detection. , 2021, , .		1
282	Enhanced microbial inactivation by carbon dioxide through mechanical effects. Journal of Supercritical Fluids, 2021, 175, 105273.	3.2	1
283	Supramolecular Materials: Molecular Packing of Tetranitrotetrapropoxycalix[4]arene in Highly Stable Films with Second-Order Nonlinear Optical Properties. Chemistry - A European Journal, 1998, 4, 1225-1234.	3.3	1
284	Interaction of Structured and Functionalized Polymers with Cancer Cells. , 0, , 233-250.		1
285	Tutorial Review: Surface Plasmon Resonance-Based Biosensors. , 0, , 29-53.		1
286	AFM to Study Bio/Nonbio Interactions. Methods in Molecular Biology, 2012, 811, 179-192.	0.9	1
287	Incubation media modify silver nanoparticle toxicity for whitefish (Coregonus lavaretus) and roach (Rutilus rutilus) embryos. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2021, , 1-20.	2.3	1
288	Biosensing with a scanning planar Yagi-Uda antenna. Biomedical Optics Express, 2022, 13, 539.	2.9	1

#	Article	IF	Citations
289	Appendix K: X-Ray Photoelectron Spectroscopy (XPS). , 0, , 493-496.		1
290	Visualization of Macromolecules and Polymer Morphology. , 2010, , 79-187.		0
291	Micro patterned surfaces: an effective tool for long term digital holographic microscopy cell imaging. Proceedings of SPIE, 2017, , .	0.8	0
292	Micro patterned surfaces allow long-term digital holographic microscopy live cell imaging. Proceedings of SPIE, 2017, , .	0.8	0
293	Macromol. Biosci. 11/2017. Macromolecular Bioscience, 2017, 17, .	4.1	0
294	AFM: Hydrogen-Bonded Nanostructures. , 0, , 52-63.		0
295	Investigation of necessary conditions for imaging cell analysis using EIT. , 2019, , .		0
296	Stimuli-Responsive Capsules. , 0, , 363-382.		0
297	Stretching and Rupturing Single Covalent and Associating Macromolecules by AFM-Based Single-Molecule Force Spectroscopy. , 0, , 403-427.		0
298	Quantitative Lateral Force Microscopy. , 0, , 429-445.		0
299	Long-Range Surface Plasmon Enhanced Fluorescence Spectroscopy as a Platform for Biosensors. , 0, , 447-461.		0
300	Surface Chemistry in Forensic-Toxicological Analysis. , 0, , 181-206.		0
301	Appendix J: Waveguide Mode Spectroscopy (WaMs)â€“ nm-Thick Films. , 0, , 491-492.		0
302	Appendix B: Atomic Force Microscopy. , 0, , 467-470.		0
303	Appendix D: Ellipsometry. , 0, , 474-475.		0
304	Appendix E: Fourier Transform Infrared Spectroscopy. , 0, , 476-478.		0
305	Appendix F: Impedance Spectroscopy. , 0, , 479-482.		0
306	Modification of Surfaces by Photosensitive Silanes. , 0, , 207-220.		0

#	Article	IF	Citations
307	Fabrication and Application of Surface-Tethered Vesicles. , 0, , 251-269.		0