Adsorption of bifunctional organic disulfides on gold su

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Citation Report

#	Article	IF	Citations
3	Coverage of Si substrates by self-assembling monolayers and multilayers as measured by IR, wettability and X-ray diffraction. Thin Solid Films, 1985, 132, 153-162.	0.8	167
4	An Environmental Chamber for FT-IR Measurements of Thin Films on Smooth Metals. Applied Spectroscopy, 1985, 39, 615-617.	1.2	4
5	Formation and structure of a spontaneously adsorbed monolayer of arachidic on silver. Chemical Physics Letters, 1986, 132, 93-98.	1.2	141
6	On the formation and structure of self-assembling monolayers. Journal of Colloid and Interface Science, 1986, 112, 457-472.	5.0	165
7	Improved adhesion of thin conformal organic films to metal surfaces. Review of Scientific Instruments, 1986, 57, 1381-1383.	0.6	38
9	Optical probes of organic thin films: Photons-in and photons-out. Progress in Surface Science, 1987, 24, 1-282.	3.8	101
11	Molecular structure and interfacial properties of surfactant-coated surfaces. Thin Solid Films, 1987, 152, 49-66.	0.8	18
12	Organized self-assembling monolayers on electrodes. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1987, 219, 365-371.	0.3	270
13	Evidence of switching and rectification by a single molecule effected with a scanning tunneling microscope. Chemical Physics Letters, 1988, 146, 490-495.	1.2	130
14	Incorporation of N-octadecyl-4-pyridinium-4'-pyridyl bromide or N-octadecyl-4,4'-bipyridinium dibromide into self-assembled hexadecylmercaptan. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1988, 246, 217-224.	0.3	18
15	Depth sensitivity of wetting: monolayers of .omegamercapto ethers on gold. Journal of the American Chemical Society, 1988, 110, 5897-5898.	6.6	229
16	Molecular-Level Control over Surface Order in Self-Assembled Monolayer Films of Thiols on Gold. Science, 1988, 240, 62-63.	6.0	369
17	Optical Spectroscopy of Condensed Phase Interfaces. Applied Spectroscopy Reviews, 1988, 24, 189-257.	3.4	2
18	Monolayers of 11-trichlorosilylundecyl thioacetate: A system that promotes adhesion between silicon dioxide and evaporated gold. Journal of Materials Research, 1989, 4, 886-892.	1.2	75
19	Orthogonal Self-Assembled Monolayers: Alkanethiols on Gold and Alkane Carboxylic Acids on Alumina. Science, 1989, 245, 845-847.	6.0	311
20	Modeling organic surfaces with self-assembled monolayers. Advanced Materials, 1989, 1, 110-116.	11.1	56
21	Modeling Organic Surfaces with Selfâ€Assembled Monolayers. Angewandte Chemie, 1989, 101, 522-528.	1.6	106
22	Modeling Organic Surfaces with Self-Assembled Monolayers. Angewandte Chemie International Edition in English, 1989, 28, 506-512.	4.4	350

#	Article	IF	CITATIONS
23	Simulation of a monolayer of alkyl thiol chains. Journal of Chemical Physics, 1989, 91, 4994-5001.	1.2	387
24	Fluorinated Monomolecular Assemblies: Model Systems to Probe Chemical Interactions at the Polymer-Metal Interface. Materials Research Society Symposia Proceedings, 1989, 153, 267.	0.1	1
25	Fluorinated Monomolecular Assemblies: Model Systems to Probe Chemical Interactions at the Polymer-Metal Interface. Materials Research Society Symposia Proceedings, 1989, 154, 311.	0.1	0
26	Sugar Coated Semiconductors: Model Surfaces to Study Biological Adhesion. Materials Research Society Symposia Proceedings, 1989, 174, 277.	0.1	0
27	A novel hydrogel matrix on gold surfaces in surface plasmon resonance sensors for fast and efficient covalent immobilization of ligands. Journal of the Chemical Society Chemical Communications, 1990, , 1526-1528.	2.0	652
28	Composition and structure of spontaneously adsorbed monolayers of n-perfluorocarboxylic acids on silver. Chemical Physics Letters, 1990, 167, 198-204.	1.2	39
29	Adsorption states and orientation of N-alkyl anhydride molecules on oxidized aluminium surface. Journal of Electron Spectroscopy and Related Phenomena, 1990, 54-55, 1153-1162.	0.8	7
30	Spectroscopic and electrochemical studies of oriented monolayers on electrode surfaces. Microchemical Journal, 1990, 42, 44-71.	2.3	41
31	Optical, electrical, and electrochemical characteristics of ultrathin poly(phenylene oxide) films: organic dielectrics less than 10 nm thick. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1990, 290, 79-92.	0.3	48
32	Assembled supported monolayers of synthetic lipids on gold electrodes viaâ€ion-exchange methods'. Journal of the Chemical Society Chemical Communications, 1990, , 845-847.	2.0	4
33	A novel two-dimensional photopolymerization at an ordered monolayer surface on gold. Journal of the Chemical Society Chemical Communications, 1990, , 225.	2.0	10
34	Molecular dynamics simulation of the effects of temperature on a dense monolayer of longâ€chain molecules. Journal of Chemical Physics, 1990, 93, 7483-7492.	1.2	182
35	A Method to Analyze the Surface of Microcapsules Using Diffuse Reflectance. Drug Development and Industrial Pharmacy, 1991, 17, 2511-2519.	0.9	3
36	Molecular dynamics investigations of self-assembled monolayers. Journal of the Chemical Society, Faraday Transactions, 1991, 87, 2031.	1.7	111
37	Structural Organization in Self-Assembled Monolayers. , 1991, , 395-405.		0
38	Free Energy and Temperature Dependence of Electron Transfer at the Metal-Electrolyte Interface. Science, 1991, 251, 919-922.	6.0	1,244
39	Molecular Self-Assembly of Two-Terminal, Voltammetric Microsensors with Internal References. Science, 1991, 252, 688-691.	6.0	289
40	X-ray Damage to CF3CO2-Terminated Organic Monolayers on Si/Au: Principal Effect of Electrons. Science, 1991, 254, 981-983.	6.0	140

#	Article	IF	CITATIONS
41	Microscopic wetting phenomena. Physical Review Letters, 1991, 67, 1763-1766.	2.9	189
42	Surface functionalization and surface recognition: Plasmon optical detection of molecular recognition at self assembled monolayers. Makromolekulare Chemie Macromolecular Symposia, 1991, 46, 145-155.	0.6	35
43	Simulations of Microscopic Wetting Phenomena on Self-Assembled Monolayers Materials Research Society Symposia Proceedings, 1991, 237, 303.	0.1	0
44	Electrochemical behavior of ubiquinone and vitamin K incorporated into n-alkanethiol molecular assemblies on a gold electrode. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1991, 308, 345-350.	0.3	33
45	The electrochemical desorption of n-alkanethiol monolayers from polycrystalline Au and Ag electrodes. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1991, 310, 335-359.	0.3	999
46	Direct Observation of Streptavidin Specifically Adsorbed on Biotin-Functionalized Self-Assembled Monolayers with the Scanning Tunneling Microscope. Angewandte Chemie International Edition in English, 1991, 30, 569-572.	4.4	165
47	Rastertunnelmikroskopische Beobachtung von spezifisch adsorbiertem Streptavidin auf Biotinâ€funktionalisierten, selbstorganisierten Monoschichten. Angewandte Chemie, 1991, 103, 568-572.	1.6	22
48	Formation of a bilayer lipid membrane on rigid supports: an approach to BLM-based biosensors. Biosensors and Bioelectronics, 1991, 6, 37-42.	5.3	65
49	X-ray photoelectron spectroscopic studies of the bonding of phenyl sulfides to copper. Surface and Interface Analysis, 1991, 17, 245-250.	0.8	10
50	SELF–ASSEMBLED MONOLAYERS., 1991,, 237-304.		52
51	Self-Assembled and Langmuir-Blodgett Organic Thin Films As Functional Materials. MRS Bulletin, 1992, 17, 61-66.	1.7	17
52	Mechanical and Dynamic Mechanical Properties of Photocrosslinked Norbornene-Thiol Copolymer Films. Journal of Adhesion, 1992, 36, 247-263.	1.8	15
53	Differentiation of topographical and chemical structures using an interfacial force microscope. Applied Physics Letters, 1992, 60, 1175-1177.	1.5	19
54	Mechanical relaxation of organic monolayer films measured by force microscopy. Physical Review Letters, 1992, 68, 2790-2793.	2.9	137
55	Monte Carlo simulations of mixed monolayers. Molecular Physics, 1992, 75, 255-259.	0.8	105
56	Manipulation of the Wettability of Surfaces on the 0.1- to 1-Micrometer Scale Through Micromachining and Molecular Self-Assembly. Science, 1992, 257, 1380-1382.	6.0	263
57	Introductory lecture. Conformations of flexible molecules in fluid phases. Journal of the Chemical Society, Faraday Transactions, 1992, 88, 1701.	1.7	30
58	Two-dimensional photopolymerization at adsorbed monolayers on gold. Journal of Materials Chemistry, 1992, 2, 245.	6.7	18

#	ARTICLE	IF	CITATIONS
59	Specific binding of concanavalin A to glycolipid monolayers on gold electrodes. Journal of the Chemical Society Chemical Communications, 1992, , 547.	2.0	13
60	Pentaenyl cations from the photolysis of retinyl acetate. Solvent effects on the leaving group ability and relative nucleophilicities: an unequivocal and quantitative demonstration of the importance of hydrogen bonding. Journal of the American Chemical Society, 1992, 114, 2419-2428.	6.6	27
61	Organotransition-metal metallacarboranes. 25. Redox chemistry and electronic studies of mono- and dinuclear iron(II)-iron(III) sandwich complexes. Journal of the American Chemical Society, 1992, 114, 5214-5221.	6.6	37
62	A selective SAW-based organophosphonate chemical sensor employing a self-assembled, composite monolayer: a new paradigm for sensor design. Analytical Chemistry, 1992, 64, 3191-3193.	3.2	164
63	Optical Considerations for Infrared Reflection Spectroscopic Analysis in the C-H Stretching Region of Monolayer Films at an Aqueous/Metal Interface. Applied Spectroscopy, 1992, 46, 79-87.	1.2	57
64	Direct electrochemistry of thioredoxins and glutathione at a lipid bilayer-modified electrode. Archives of Biochemistry and Biophysics, 1992, 299, 193-198.	1.4	41
65	Conformational changes of the spontaneously adsorbed thiol-terminated poly(methacrylic acid) monolayers on gold electrodes. Journal of Colloid and Interface Science, 1992, 148, 592-594.	5.0	12
66	SERS and XPS studies of the molecular orientation of thiophenols from the gaseous state onto silver. Journal of Colloid and Interface Science, 1992, 150, 1-6.	5.0	40
67	Statistical mechanics of self-assembled monolayers. Journal of Electroanalytical Chemistry, 1992, 327, 73-83.	1.9	4
68	Electrochemical properties of a gold electrode modified with a mixed monolayer. Journal of Electroanalytical Chemistry, 1992, 342, 207-219.	1.9	3
69	An ion-gate response of the glutathione monolayer assembly formed on a gold electrode. Bioelectrochemistry, 1992, 29, 103-111.	1.0	43
70	Electrochemical properties of a gold electrode modified with a mixed monolayer. Bioelectrochemistry, 1992, 27, 207-219.	1.0	24
71	Preparation and characterization of redox active molecular assemblies on microelectrode arrays. Thin Solid Films, 1992, 210-211, 341-347.	0.8	15
72	Surface modification and functionalization of gold by sulfur-containing polymeric monolayers. Thin Solid Films, 1992, 210-211, 787-789.	0.8	0
73	Ion/surface collisions at functionalized self-assembled monolayer surfaces. International Journal of Mass Spectrometry and Ion Processes, 1992, 122, 181-217.	1.9	127
74	Double-layer capacitance measurements of self-assembled layers on gold electrodes. Electroanalysis, 1992, 4, 921-928.	1.5	44
75	Collisions of fluorocarbon ions at solid surfaces: Electronic excitation, surface-induced dissociation and chemical sputtering. Organic Mass Spectrometry, 1993, 28, 1021-1033.	1.3	40
76	Scanning probe surface modification. Advanced Materials, 1993, 5, 935-938.	11.1	18

#	Article	IF	CITATIONS
77	Ultralarge atomically flat template-stripped Au surfaces for scanning probe microscopy. Surface Science Letters, 1993, 291, A562.	0.1	17
78	XeF+, IF+, and other unusual ions generated by reactions of hyperthermal ion beams at self-assembled monolayer surfaces. Journal of the American Society for Mass Spectrometry, 1993, 4, 938-942.	1.2	24
79	Laser desorption ion trap mass spectrometry of self-assembled monolayers. Journal of the American Society for Mass Spectrometry, 1993, 4, 968-970.	1.2	11
80	The condensation of 6-propyl-2-thiouracil at the mercuryâ€"electrolyte interface. Journal of Electroanalytical Chemistry, 1993, 349, 15-30.	1.9	18
81	Ultrathin self-assembled polymeric films on solid surfaces. I. Synthesis and characterization of acrylate copolymers containing alkyl disulfide side chains. Journal of Polymer Science Part A, 1993, 31, 1729-1740.	2.5	16
82	Ultralarge atomically flat template-stripped Au surfaces for scanning probe microscopy. Surface Science, 1993, 291, 39-46.	0.8	494
83	Directionally Aligned Helical Peptides on Surfaces. Science, 1993, 261, 73-76.	6.0	207
84	Computer Simulations of Surfactants. , 1993, , 461-472.		5
85	Monte Carlo study of the properties of self-assembled monolayers formed by adsorption of CH3(CH2)15SH on the (111) surface of gold. Molecular Physics, 1993, 79, 457-473.	0.8	50
86	Chemisorption of thiol compounds onto gold surfaces studied by static secondary ion mass spectrometry and relevance of data to ion formation mechanisms during sputtering. Journal of the Chemical Society, Faraday Transactions, 1993, 89, 179.	1.7	14
87	Voltammetry at 115-180 K for self-assembled ferrocene-tagged alkanethiol monolayers on gold and silver electrodes in butyronitrile/ethyl chloride solvent. Analytical Chemistry, 1993, 65, 386-392.	3.2	55
88	Structure of monolayers of short chain n-alkanoic acids (CH3(CH2)nCOOH, n = 0-9) spontaneously adsorbed from the gas phase at silver as probed by infrared reflection spectroscopy. The Journal of Physical Chemistry, 1993, 97, 8032-8038.	2.9	85
89	Monte Carlo simulation of the mechanical relaxation of a self-assembled monolayer. Physical Review Letters, 1993, 70, 453-456.	2.9	113
90	X-Ray Scattering Methods for the Study of Polymer Interfaces. Critical Reviews in Analytical Chemistry, 1993, 24, 179-241.	1.8	60
91	Preparation and characterization of self-assembled organic films on solid substrates. Physica Scripta, 1993, T49B, 711-717.	1.2	30
92	New Bifunctional Dialkyl Disulfide Reagent for the Fabrication of a Gold Surface with the Bioaffinity Ligand. Analytical Sciences, 1993, 9, 133-136.	0.8	13
93	Chemical and physical interactions at metal/self-assembled organic monolayer interfaces. Critical Reviews in Solid State and Materials Sciences, 1994, 19, 1-54.	6.8	122
94	Surface-Enhanced Raman Scattering As an In-Situ Probe of Polyimide/Silver Interphases. Journal of Adhesion, 1994, 46, 243-264.	1.8	2

#	ARTICLE	IF	CITATIONS
95	Dilution Effect on Surface Enhanced Raman Scattering for Organic Disulfide Adsorbed from Solutions. Spectroscopy Letters, 1994, 27, 85-95.	0.5	1
96	Monolayer modification of bis(salicylaldehydo)copper(II) complex derivatives on gold surface by two-step reaction method. Electrochimica Acta, 1994, 39, 553-555.	2.6	2
97	Phase Transitions in Self-Assembled Monolayers Detected by Electrochemistry. Angewandte Chemie International Edition in English, 1994, 33, 2332-2335.	4.4	54
98	Microfabrication by microcontact printing of self-assembled monolayers. Advanced Materials, 1994, 6, 600-604.	11.1	455
99	Elektrochemischer Nachweis von Phasenübergägen in selbstaggregierten Monoschichten. Angewandte Chemie, 1994, 106, 2429-2431.	1.6	8
100	Concentration dependence of surface-enhanced Raman scattering for organic disulfide adsorbed on metals from solutions. Applied Surface Science, 1994, 78, 11-15.	3.1	6
101	Polymeric self-assembling monolayers. 1. Synthesis and characterization of ifunctionalized n-alkanethiols containing a conjugated diacetylene group. Tetrahedron Letters, 1994, 35, 9501-9504.	0.7	37
102	Electrochemical quartz crystal microbalance studies of self-assembled monolayers of 11-ferrocenyl-1-undecanethiol: Structure-dependent ion-pairing and solvent uptake. Journal of Electroanalytical Chemistry, 1994, 372, 117-124.	1.9	84
103	Structural studies of ordered monolayers using atomic force microscopy. Micron, 1994, 25, 271-292.	1.1	12
104	Detection of submonolayer 180 on a gold surface by nuclear reaction analysis. Nuclear Instruments & Methods in Physics Research B, 1994, 85, 352-355.	0.6	1
105	Functional Group Imaging by Chemical Force Microscopy. Science, 1994, 265, 2071-2074.	6.0	988
106	Covalent anchoring of proteins onto gold-directed NHS-terminated self-assembled monolayers in aqueous buffers: SFM images of clathrin cages and triskelia. FEBS Letters, 1994, 356, 267-271.	1.3	54
107	Selective adsorption in gold–thiol monolayers of calix-4-resorcinarenes. Journal of the Chemical Society Chemical Communications, 1994, , 2527-2529.	2.0	61
108	Reactions of ions with organic surfaces. Accounts of Chemical Research, 1994, 27, 316-323.	7.6	185
109	Molecular Imaging Secondary Ion Mass Spectrometry for the Characterization of Patterned Self-Assembled Monolayers on Silver and Gold. Analytical Chemistry, 1994, 66, 2170-2174.	3.2	75
110	Chemisorption of Self Assembled Alkyl Thiol on Au(111). Materials Research Society Symposia Proceedings, 1994, 366, 63.	0.1	0
111	Molecular Oriented Thin Film of Biphenyl-4,4′-dithiol Fabricated by Molecular Beam Deposition Method. Chemistry Letters, 1994, 23, 1223-1226.	0.7	0
112	Bonding and Penetration at Metal/Self-Assembled Organic Monolayer Interfaces. Materials Research Society Symposia Proceedings, 1995, 385, 11.	0.1	0

#	ARTICLE	IF	CITATIONS
113	Design of an Organic Ultramicroelectrode Array. Potential Use of Microstructures of Binary Langmuir–Blodgett Monolayers of Totally π-Conjugated Electroactive and Electroinactive Amphiphiles. Bulletin of the Chemical Society of Japan, 1995, 68, 2497-2502.	2.0	4
114	Modification of Electrode Surfaces and Its Applications. Modification of Electrode Surfaces with Oriented Molecular Assemblies Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 1995, 46, 311-316.	0.1	0
115	Chemical imaging by scanning force microscopy. Advanced Materials, 1995, 7, 549-551.	11.1	87
116	Efficient two layer leds on a polymer blend basis. Advanced Materials, 1995, 7, 551-554.	11.1	1,523
117	Electrochemically polymerizable self-assembled monolayers. Advanced Materials, 1995, 7, 759-762.	11.1	34
118	Title is missing!. Angewandte Makromolekulare Chemie, 1995, 227, 121-129.	0.3	4
119	Adhesion promotion at high temperature for epoxy resin or polyimide onto metal by a two-component coupling system of polybenzimidazole and 4-aminophenyl disulfide. Journal of Applied Polymer Science, 1995, 58, 2221-2227.	1.3	2
120	Factors that influence the stability of self-assembled organothiols on gold under electrochemical conditions. Analytica Chimica Acta, 1995, 307, 253-268.	2.6	63
121	On the measurements of pseudocapacitances in thin polymer films on electrode surfaces. Electrochimica Acta, 1995, 40, 1675-1679.	2.6	3
122	The presence of two different sulfur species in self-assembled films of n-alkanethiols on Au and Ag surfaces. Chemical Physics Letters, 1995, 238, 308-312.	1.2	90
123	Surface and blood-contacting properties of alkylsiloxane monolayers supported on silicone rubber. Journal of Biomedical Materials Research Part B, 1995, 29, 535-548.	3.0	35
124	Non-linear optical spectroscopy of interfaces: adsorption sites of a self-assembled. Thin Solid Films, 1995, 270, 226-229.	0.8	20
125	Combination of the quartz crystal microbalance and the electrochemical technique for the characterization of self-assembled monolayers of octadecylmercaptan on gold surfaces. Journal of Materials Science, 1995, 30, 2338-2340.	1.7	4
126	A microscopic view of particle bombardment of organic films. International Journal of Mass Spectrometry and Ion Processes, 1995, 143, 225-233.	1.9	23
127	Adsorption behavior of functionalized ferrocenylalkane thiols and disulfide onto Au and ITO and electrochemical properties of modified electrodes: Effects of acyl and alkyl groups attached to the ferrocene ring. Journal of Electroanalytical Chemistry, 1995, 381, 203-209.	1.9	80
128	Chemical pretreatment of platinum by aromatic and aliphatic thiols. Effect on polybithiophene electrodeposition and properties. Journal of Electroanalytical Chemistry, 1995, 399, 61-70.	1.9	33
129	Weak interactions between deposited metal overlayers and organic functional groups of self-assembled monolayers. Progress in Surface Science, 1995, 50, 103-129.	3.8	70
130	Room-temperature Coulomb blockade from a self-assembled molecular nanostructure. Physical Review B, 1995, 52, 9071-9077.	1.1	339

#	Article	IF	CITATIONS
131	Interfacial Atomic Structure of a Self-Assembled Alkyl Thiol Monolayer/Au(111): A Sum-Frequency Generation Study. Physical Review Letters, 1995, 74, 1811-1814.	2.9	138
132	Surface Absorption of Monolayers. MRS Bulletin, 1995, 20, 46-51.	1.7	29
133	Structure and Wetting Properties of .omegaAlkoxy-n-alkanethiolate Monolayers on Gold and Silver. The Journal of Physical Chemistry, 1995, 99, 7663-7676.	2.9	165
134	Surface plasmon microscopy of biotin-streptavidin binding reactions on UV-photopatterned alkanethiol self-assembled monolayers. Supramolecular Science, 1995, 2, 99-106.	0.7	63
135	An in-situ X-ray photoelectron study of the interaction between vapor-deposited Ti atoms and functional groups at the surfaces of self-assembled monolayers. Surface Science, 1995, 338, 300-312.	0.8	119
136	The oxidation-reduction properties of spinach thioredoxins f and m and of ferredoxin:thioredoxin reductase. Biochimica Et Biophysica Acta - Bioenergetics, 1995, 1230, 114-118.	0.5	31
137	Second-order nonlinear susceptibilities of surfaces. Applied Physics A: Materials Science and Processing, 1995, 60, 1-12.	1.1	11
138	Ordered organic multilayers. Journal of Materials Chemistry, 1995, 5, 1095.	6.7	24
139	Fourier-transform surface enhanced Raman scattering studies of molecular self-assembly of disulfides on metals and the application in adhesion promotion. Journal of Adhesion Science and Technology, 1995, 9, 1465-1474.	1.4	11
140	Modulation of Electronic Coupling through Self-Assembled Monolayers via Internal Chemical Modification. Journal of the American Chemical Society, 1996, 118, 680-684.	6.6	67
141	Polymeric Self-Assembled Monolayers. 5. Synthesis and Characterization of i‰-Functionalized, Self-Assembled Diacetylenic and Polydiacetylenic Monolayers. Langmuir, 1996, 12, 6065-6073.	1.6	65
142	Calix-4-resorcinarene Monolayers and Multilayers:  Formation, Structure, and Differential Adsorption1. Langmuir, 1996, 12, 5365-5374.	1.6	53
143	Surface plasmon resonance studies of complex formation between cytochrome c and bovine cytochrome c oxidase incorporated into a supported planar lipid bilayer. I. Binding of cytochrome c to cardiolipin/phosphatidylcholine membranes in the absence of oxidase. Biophysical Journal, 1996, 71, 848-857.	0.2	95
144	Covalent immobilization of native biomolecules onto Au(111) via N-hydroxysuccinimide ester functionalized self-assembled monolayers for scanning probe microscopy. Biophysical Journal, 1996, 70, 2052-2066.	0.2	202
145	Immobilization of Antibodies on a Photoactive Self-Assembled Monolayer on Gold. Langmuir, 1996, 12, 1997-2006.	1.6	158
146	Using Isotropic, Nematic, and Smectic Fluids for the Study of Self-Assembled Monolayers Formed from Alkanethiols on Gold. Chemistry of Materials, 1996, 8, 1366-1369.	3.2	25
147	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.	1.6	84
148	Covalent Attachment of Nickel Clusters to Gold Electrode Surfaces. Formation of Rectifying Molecular Layers. Langmuir, 1996, 12, 3075-3081.	1.6	27

#	ARTICLE	IF	CITATIONS
149	In Situ Photopolymerization of Methacrylic Acid at a Self-Assembled Xanthate Monolayer Surface on Gold. Formation of Poly(methacrylic acid) Brushes and Their Interaction with Cytochromec. Macromolecules, 1996, 29, 3681-3685.	2.2	38
150	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.	1.6	86
151	Preparation of Hyperbranched Polymer Films Grafted on Self-Assembled Monolayers. Journal of the American Chemical Society, 1996, 118, 3773-3774.	6.6	140
152	Silvern-Octadecanethiolate Langmuir Monolayers Mimicking Self-Assembled Monolayers on Silver. Langmuir, 1996, 12, 386-391.	1.6	11
153	Thiocholesterol on Gold:Â A Nanoporous Molecular Assembly. Langmuir, 1996, 12, 1704-1707.	1.6	32
154	Polymerization of a Thiol-Bound Styrene Monolayer. Langmuir, 1996, 12, 1944-1946.	1.6	45
155	Molecular Level Control over the Surface and Interfacial Properties of High-Tc Superconductors. Chemistry of Materials, 1996, 8, 811-813.	3.2	16
156	Consecutive Selective Adsorption of Pentamidine and Phosphate Biomolecules on a Self-Assembled Layer:  Reversible Formation of a Chemically Selective Coating. Analytical Chemistry, 1996, 68, 402-407.	3.2	39
157	Electrical Communication between Components of Self-Assembled Mixed Monolayers. Langmuir, 1996, 12, 363-370.	1.6	46
158	Uniform Anchoring of Nematic Liquid Crystals on Self-Assembled Monolayers Formed from Alkanethiols on Obliquely Deposited Films of Gold. Langmuir, 1996, 12, 2587-2593.	1.6	88
159	Chain Length Dependence of the Striped Phases of Alkanethiol Monolayers Self-Assembled on Au(111): An Atomic Beam Diffraction Study. Langmuir, 1996, 12, 2737-2746.	1.6	161
160	Hydrogen-Bonding, Self-Assembled Monolayers:  Ordered Molecular Films for Study of Through-Peptide Electron Transfer. Langmuir, 1996, 12, 5239-5243.	1.6	184
161	An Improved Route to 3,4-Thiophenedithiolate. Journal of Organic Chemistry, 1996, 61, 4833-4834.	1.7	20
162	Permselectivity, Sensitivity, and Amperometric pH Sensing at Thioctic Acid Monolayer Microelectrodes. Analytical Chemistry, 1996, 68, 4180-4185.	3.2	116
163	Evidence for Nondestructive Adsorption of Dialkyl Sulfides on Gold. Langmuir, 1996, 12, 6170-6172.	1.6	81
164	Polymeric Mercaptosilane-Modified Platinum Electrodes for Elimination of Interferants in Glucose Biosensors. Analytical Chemistry, 1996, 68, 591-596.	3.2	94
165	Kinetics of Alkanethiol Adsorption on Gold. Langmuir, 1996, 12, 4469-4473.	1.6	143
166	Synthesis and Characterization of Hydrophobic, Organically-Soluble Gold Nanocrystals Functionalized with Primary Amines. Langmuir, 1996, 12, 4723-4730.	1.6	874

#	Article	IF	CITATIONS
167	Formation and Stability of Self-Assembled Monolayers on Thin Films of Lead Zirconate Titanate (PZT). Langmuir, 1996, 12, 2830-2836.	1.6	20
168	Self-Assembled Nanostructured Materials. Chemistry of Materials, 1996, 8, 1616-1624.	3.2	563
169	Electronic conduction through organic molecules. Physical Review B, 1996, 53, R7626-R7629.	1.1	444
170	Highly Oriented Molecular Ag Nanocrystal Arrays. The Journal of Physical Chemistry, 1996, 100, 13904-13910.	2.9	371
171	Scanning Tunneling Microscopy Study of l-Cysteine on Au(111). Langmuir, 1996, 12, 2849-2852.	1.6	100
172	Supramolecular Approaches to Second-Order Nonlinear Optical Materials. Self-Assembly and Microstructural Characterization of Intrinsically Acentric [(Aminophenyl)azo]pyridinium Superlattices. Journal of the American Chemical Society, 1996, 118, 8034-8042.	6.6	172
173	Capacitive Detection of Surfactant Adsorption on Hydrophobized Gold Electrodes. Langmuir, 1996, 12, 6059-6064.	1.6	34
174	Electrochemistry of Surface-Confined Mixed Monolayers of 4-Aminothiophenol and Thiophenol on Au. Langmuir, 1996, 12, 3688-3694.	1.6	121
175	Model systems for molecular recognition at interfaces: synthesis and characterisation of functionalised disulfides with hydrogen-bonding properties. Chemical Communications, 1996, , 1193.	2.2	6
176	Synthesis and Surface-Confined Electrochemistry of Dimethoxynaphthalene Fused through Rigid Norbornylogous Spacers to Thiolate, Dithiolate, and Disulfide Groups. Langmuir, 1996, 12, 6616-6626.	1.6	39
177	Influence of Adsorbate Ordering on Rates of UV Photooxidation of Self-Assembled Monolayers. The Journal of Physical Chemistry, 1996, 100, 6657-6662.	2.9	147
178	X-ray Photoelectron Spectroscopy Sulfur 2p Study of Organic Thiol and Disulfide Binding Interactions with Gold Surfaces. Langmuir, 1996, 12, 5083-5086.	1.6	1,215
179	Surface plasmon resonance of self-assembled phthalocyanine monolayers: possibilities for optical gas sensing. Analyst, The, 1996, 121, 1501.	1.7	42
180	Surface-field induced organisation at solid/fluid interfaces. Faraday Discussions, 1996, 104, 37.	1.6	21
181	Chemically Sensitive Surface Acoustic Wave Devices Employing a Self-Assembled Composite Monolayer Film:Â Molecular Specificity and Effects Due to Self-Assembled Monolayer Adsorption Time and Gold Surface Morphology. Langmuir, 1996, 12, 2239-2246.	1.6	44
182	Heterogeneous Kinetics of Metal- and Ligand-Based Redox Reactions within Adsorbed Monolayers. Inorganic Chemistry, 1996, 35, 3394-3403.	1.9	43
183	Formation of Nano-sized Domains by Self-assembling of Alkanethiols on Au (111). Journal of the Japan Society of Colour Material, 1996, 69, 877-882.	0.0	0
184	Formation and Structure of Self-Assembled Monolayers. Chemical Reviews, 1996, 96, 1533-1554.	23.0	7,362

#	Article	IF	CITATIONS
185	Chemical imaging of single polyethylenimine polymers by chemical force microscopy. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1996, 100, 1014-1016.	0.9	20
186	Asymmetric properties of ultrathin poly(vinylchloride) films as generated by molecular association of ionic porphyrins at the polymerâ€water interface. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1996, 100, 1729-1735.	0.9	3
187	"Coulomb Staircase" at Room Temperature in a Self-Assembled Molecular Nanostructure. Science, 1996, 272, 1323-1325.	6.0	987
188	Photoelectrochemical characteristics of a self-assembled monolayer of porphyrin-mercaptoquinone coupling molecules. Thin Solid Films, 1996, 284-285, 652-655.	0.8	48
189	Nanocrystal gold molecules. Advanced Materials, 1996, 8, 428-433.	11.1	1,179
190	Golden interfaces: The Surface of Self-Assembled Monolayers. Advanced Materials, 1996, 8, 719-729.	11.1	303
191	Effects of Polypeptide Conformation and Surface Bonding on Static Secondary Ion Mass Spectra. Surface and Interface Analysis, 1996, 24, 59-67.	0.8	5
192	Complement activation on thiol-modified gold surfaces. , 1996, 30, 535-541.		23
193	Electrochemical quartz crystal microbalance studies of thin poly(4-vinylpyridine) films containing IrCl62m¯3m¯redox sites. Electrochimica Acta, 1996, 41, 367-375.	2.6	8
194	Self-assembled monolayers of dithiols, diisocyanides, and isocyanothiols on gold: â€̃chemically sticky' surfaces for covalent attachment of metal clusters and studies of interfacial electron transfer. Inorganica Chimica Acta, 1996, 242, 115-124.	1.2	107
195	The atomic force microscope as a tool to study and manipulate local surface properties. Biosensors and Bioelectronics, 1996, 11, 601-612.	5.3	22
196	Electrochemical properties of the 2-mercaptohydroquinone monolayer on a gold electrode. Effect of solution pH, adsorption time and concentration of the modifying solution. Journal of Electroanalytical Chemistry, 1996, 409, 145-154.	1.9	105
197	A novel organic solventâ€based coupling method for the preparation of covalently immobilized proteins on gold. Protein Science, 1996, 5, 2329-2332.	3.1	13
198	The FT-Raman Study of Reaction of 4-Aminophenyl Disulfide and Epoxy on Silver Surface. Spectroscopy Letters, 1996, 29, 1397-1408.	0.5	2
199	Microcontact printing of self-assembled monolayers: applications in microfabrication. Nanotechnology, 1996, 7, 452-457.	1.3	207
200	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
201	pH Modulated Heterogeneous Electron Transfer across Metal/Monolayer Interfaces. The Journal of Physical Chemistry, 1996, 100, 3695-3704.	2.9	36
202	Formation of Self-Assembled Butanethiol Monolayers on Au Substrates:Â Spectroscopic Evidence for Highly Ordered Island Formation in Sub-Monolayer Films. The Journal of Physical Chemistry, 1996, 100, 19917-19926.	2.9	63

#	Article	IF	CITATIONS
203	D2O Ice on Controlled Wettability Self-Assembled Alkanethiolate Monolayers:Â Cluster Formation and Substrateâ^'Adsorbate Interaction. The Journal of Physical Chemistry, 1996, 100, 20089-20096.	2.9	40
204	Pattern transfer to silicon by microcontact printing and RIE. Nanotechnology, 1996, 7, 447-451.	1.3	84
205	Synthesis of nanoscale arrays of coupled metal dots. Nanotechnology, 1996, 7, 412-416.	1.3	28
206	Dimerization Process in Alkanethiol Self-Assembled Monolayer on Au(111). Japanese Journal of Applied Physics, 1996, 35, L799-L802.	0.8	53
207	Alkyl Chain Length Effect on Growth Kinetics of n-Alkanethiol Self-Assembled Monolayers on Gold Studied by X-Ray Photoelectron Spectroscopy. Japanese Journal of Applied Physics, 1996, 35, L1710-L1713.	0.8	44
208	Formation of Si(111)-6 $\tilde{A}$ —6-Au Structure without Using a Vacuum Evaporation Technique Observed by Reflection High-Energy Electron Diffraction. Japanese Journal of Applied Physics, 1997, 36, L815-L817.	0.8	0
209	Imaging of Proteins Adsorbed on Self-Assembled Monolayers by Atomic Force Microscopy in Liquid. Japanese Journal of Applied Physics, 1997, 36, L945-L948.	0.8	1
210	Infrared characterization of amorphous and polycrystalline D2O ice on controlled wettability self-assembled alkanethiolate monolayers. Journal of Chemical Physics, 1997, 106, 3038-3048.	1.2	33
211	Specular x-ray reflectivity studies of microstructure and ordering in self-assembled multilayers. Journal of Chemical Physics, 1997, 107, 645-652.	1.2	29
212	Exchange Kinetics of Alkanethiol Self-Assembled Monolayers Probed by Attenuated Total Reflection with Enhancement of Surface Plasmon Resonance. Japanese Journal of Applied Physics, 1997, 36, L1116-L1119.	0.8	35
213	Assessment of Surface Cleanliness for Metal Surfaces using an Electrochemical Technique. Transactions of the Institute of Metal Finishing, 1997, 75, 101-107.	0.6	6
214	Effect of pH, Fluorination, and Number of Layers on the Inhibition of Electrochemical Reactions by Grafted, Hyperbranched Poly(acrylic acid) Films. Israel Journal of Chemistry, 1997, 37, 277-286.	1.0	17
215	Polymeric Zinc-Bisquinoline Based Self-Assembled Light Emitting Diodes. Materials Research Society Symposia Proceedings, 1997, 488, 105.	0.1	2
216	Structural Properties of Self-Assembled Poly(zinc-bisquinoline). Materials Research Society Symposia Proceedings, 1997, 488, 759.	0.1	0
217	Controlled Assembly of Patterned Gold Thin Films Using Photolithographed Self-assembled Monolayers as Templates. Chemistry Letters, 1997, 26, 1147-1148.	0.7	6
218	Enantioselective adsorption of ferrocene-modified glutamic acids on helical poly(L-glutamic acid) self-assemblies at gold electrodes. Journal of Materials Chemistry, 1997, 7, 2191-2192.	6.7	9
219	Lithography beyond light: Microcontact printing with monolayer resists. IBM Journal of Research and Development, 1997, 41, 159-170.	3.2	193
220	Scanning Probe Lithography. 4. Characterization of Scanning Tunneling Microscope-Induced Patterns in n-Alkanethiol Self-Assembled Monolayers. Langmuir, 1997, 13, 2323-2332.	1.6	78

#	ARTICLE	IF	CITATIONS
221	Self-assembly of aluminium-pillared clay on a gold support. Journal of Materials Chemistry, 1997, 7, 443-448.	6.7	14
222	Penetration of Deposited Ag and Cu Overlayers Through Alkanethiol Self-Assembled Monolayers on Gold. Journal of Adhesion, 1997, 60, 197-222.	1.8	19
223	Atomic Force Microscopy Study of the Pressure-Dependent Structural and Frictional Properties of n-Alkanethiols on Gold. Journal of Physical Chemistry B, 1997, 101, 4767-4773.	1.2	92
224	Chemisorption of Dicarboxylic Acids on an Si(111) Surface and Subsequent Chemical Reactions at the Surface of Adsorbed Molecular Layers. Langmuir, 1997, 13, 7075-7079.	1.6	9
225	Structure and Stability of Patterned Self-Assembled Films of Octadecyltrichlorosilane Formed by Contact Printing. Langmuir, 1997, 13, 3382-3391.	1.6	208
226	Atomic Resolution X-ray Standing Wave Microstructural Characterization of NLO-Active Self-Assembled Chromophoric Superlattices. Journal of the American Chemical Society, 1997, 119, 2205-2211.	6.6	45
227	Direct Observation of Substrate Influence on Chemisorption of Methanethiol Adsorbed from the Gas Phase onto the Reconstructed Au(111) Surface. Langmuir, 1997, 13, 2318-2322.	1.6	83
228	Lattice Imaging of Self-Assembled Monolayers of Partially Fluorinated Disulfides and Thiols on Sputtered Gold by Atomic Force Microscopy. Langmuir, 1997, 13, 3769-3774.	1.6	56
229	Octadecyl Mercaptan Sub-monolayers on Silver Electrodeposited on Gold Quartz Crystal Microbalance Electrodes. Langmuir, 1997, 13, 3781-3786.	1.6	38
230	Formation of a Redox Active Self-Assembled Monolayer:  Naphtho[1,8-cd]-1,2-dithiol on Gold. Langmuir, 1997, 13, 866-869.	1.6	42
231	Formation and Characterization of Self-Assembled Films of Thiol-Derivatized Poly(Dimethylsiloxane) on Gold. Macromolecules, 1997, 30, 5913-5919.	2.2	46
232	Ultrahigh Vacuum Study on the Reactivity of Organic Surfaces Terminated by OH and COOH Groups Prepared by Self-Assembly of Functionalized Alkanethiols on Au Substrates. Langmuir, 1997, 13, 4943-4947.	1.6	62
233	Nanometer-Scale Surface Modification Using the Scanning Probe Microscope:  Progress since 1991. Chemical Reviews, 1997, 97, 1195-1230.	23.0	236
234	Wetting-Induced Reconstruction in Molecular Surfaces. Langmuir, 1997, 13, 6366-6369.	1.6	27
235	STM of Insulators with the Probe in Contact with an Aqueous Layer. Journal of Physical Chemistry B, 1997, 101, 5138-5142.	1.2	20
236	Influence of van der Waals Forces from Metallic Substrates on Fluids Supported on Self-Assembled Monolayers Formed from Alkanethiols. Langmuir, 1997, 13, 7106-7114.	1.6	73
237	Molecular Gradients of i‰-Substituted Alkanethiols on Gold Studied by X-ray Photoelectron Spectroscopy. Langmuir, 1997, 13, 5329-5334.	1.6	59
238	Self-Assembled Monolayer Coatings on Amorphous Iron and Iron Oxide Nanoparticles:Â Thermal Stability and Chemical Reactivity Studies. Langmuir, 1997, 13, 6151-6158.	1.6	83

#	Article	IF	CITATIONS
239	Measurements of Single-Molecule Bond-Rupture Forces between Self-Assembled Monolayers of Organosilanes with the Atomic Force Microscope. Langmuir, 1997, 13, 3761-3768.	1.6	83
240	Simultaneous Control of Surface Potential and Wetting of Solids with Chemisorbed Multifunctional Ligands. Journal of the American Chemical Society, 1997, 119, 5720-5728.	6.6	89
241	In Situ, Real Time Monitoring of the Self-Assembly Process of Decanethiol on $Au(111)$ in Liquid Phase. A Scanning Tunneling Microscopy Investigation. Langmuir, 1997, 13, 5218-5221.	1.6	126
242	Microscopic Wettability of Ester- and Acetate-Terminated Self-Assembled Monolayers. Langmuir, 1997, 13, 4003-4012.	1.6	33
243	Polymeric Self-Assembled Monolayers. 4. Chemical, Electrochemical, and Thermal Stability of l‰-Functionalized, Self-Assembled Diacetylenic and Polydiacetylenic Monolayers. Journal of the American Chemical Society, 1997, 119, 189-193.	6.6	152
244	Evaluation of the Tunneling Constant for Long Range Electron Transfer in Azobenzene Self-Assembled Monolayers on Gold. Langmuir, 1997, 13, 5774-5778.	1.6	42
245	Acidâ^Base Properties and the Chemical Imaging of Surface-Bound Functional Groups Studied with Scanning Force Microscopy. Journal of Physical Chemistry B, 1997, 101, 9563-9569.	1.2	127
246	Self-Assembled Monolayers of n-Dodecanethiol on Electrochemically Modified Polycrystalline Nickel Surfaces. Langmuir, 1997, 13, 2285-2290.	1.6	160
247	Self-Assembly of $\hat{l}_{\pm}$ -Functionalized Terthiophenes on Gold. Journal of Physical Chemistry B, 1997, 101, 5951-5962.	1.2	76
248	Self-assembling of glutathione S-transferase/calmodulin fusion protein on chemically modified gold surface. Journal of Biotechnology, 1997, 55, 125-133.	1.9	19
249	Characterization of Organosulfur Molecular Monolayers on Au(111) using Scanning Tunneling Microscopy. Chemical Reviews, 1997, 97, 1117-1128.	23.0	1,004
250	Molecular Recognition by Self-Assembled Monolayers of Cyclodextrin on Agâ€. Journal of Physical Chemistry B, 1997, 101, 6855-6860.	1.2	56
251	Surface Chemical Reactions Probed with Scanning Force Microscopy. Langmuir, 1997, 13, 4939-4942.	1.6	27
252	Nanoelectronic architecture for Boolean logic. Proceedings of the IEEE, 1997, 85, 574-588.	16.4	53
253	Kinetics of Formation of Long-Chainn-Alkanethiolate Monolayers on Polycrystalline Gold. Langmuir, 1997, 13, 5335-5340.	1.6	128
254	Scratching the Surface:  Fundamental Investigations of Tribology with Atomic Force Microscopy. Chemical Reviews, 1997, 97, 1163-1194.	23.0	1,013
255	Characterization of Zirconium Phosphate/Polycation Thin Films Grown by Sequential Adsorption Reactions. Chemistry of Materials, 1997, 9, 1414-1421.	3.2	249
256	CHEMICAL FORCE MICROSCOPY. Annual Review of Materials Research, 1997, 27, 381-421.	5.5	439

#	Article	IF	CITATIONS
257	Nanometer-Scale Fabrication by Simultaneous Nanoshaving and Molecular Self-Assembly. Langmuir, 1997, 13, 127-129.	1.6	373
258	Evanescent Wave Excited Fluorescence from Self-Assembled Phthalocyanine Monolayers. Langmuir, 1997, 13, 460-464.	1.6	55
259	Self-assembled Monolayers for Biosensors. Analyst, The, 1997, 122, 43R-50R.	1.7	561
260	Atomic Force Microscopic Study of Specific Antigen/Antibody Binding. Langmuir, 1997, 13, 343-350.	1.6	92
261	Enhancing Effect of Deposited Silver on Surface-Enhanced Raman Scattering for Chemisorbed Benzyl Disulfide on Iron. Applied Spectroscopy, 1997, 51, 804-807.	1.2	7
262	Scanning Tunneling Microscopy Characterization of Organoselenium Monolayers on Au(111). Langmuir, 1997, 13, 4788-4790.	1.6	78
263	Structural phase transition in self-assembled 1,10′ phenanthroline monolayer on Au(111). Surface Science, 1997, 389, 19-28.	0.8	52
264	Immobilization of Protein Molecules onto Homogeneous and Mixed Carboxylate-Terminated Self-Assembled Monolayers. Langmuir, 1997, 13, 6485-6490.	1.6	332
265	Surface Stress in the Self-Assembly of Alkanethiols on Gold. Science, 1997, 276, 2021-2024.	6.0	501
266	Surface plasmon resonance spectroscopy as a tool for investigating the biochemical and biophysical properties of membrane protein systems. II: Applications to biological systems. BBA - Biomembranes, 1997, 1331, 131-152.	7.9	127
267	Modification of self-assembled monolayers of alkanethiols on gold by ionizing radiation. Nuclear Instruments & Methods in Physics Research B, 1997, 131, 245-251.	0.6	131
268	An Atomic Force Microscopy Study of Self-Assembled Monolayers of Calix[4]resorcinarene Adsorbates on Au(111). Langmuir, 1997, 13, 1567-1570.	1.6	57
269	Studies into the character of electronic coupling in electron transfer reactions. Journal of Photochemistry and Photobiology A: Chemistry, 1997, 105, 189-196.	2.0	18
270	Stretching and breaking duplex DNA by chemical force microscopy. Chemistry and Biology, 1997, 4, 519-527.	6.2	123
271	Spontaneously organized molecular assembly of an aromatic organic disulfide on silver/platinum alloy surfaces: an angle dependent X-ray photoemission investigation. Journal of Electron Spectroscopy and Related Phenomena, 1997, 87, 101-107.	0.8	15
272	Morphology and stability of chemically modified electrode surfaces without -SH and -SS-structures studied by scanning tunneling microscopy. Journal of Electroanalytical Chemistry, 1997, 438, 207-211.	1.9	6
273	Mass transport accompanied with electron transfer between the gold electrode modified with $11$ -ferrocenylundecanethiol monolayer and redox species in solution $\hat{a}\in \hat{a}$ an electrochemical quartz crystal microbalance study. Journal of Electroanalytical Chemistry, 1997, 434, 115-119.	1.9	13
274	The transient nature of the diffusion controlled component of the electrochemistry of cytochrome c at †bare' gold electrodes: an explanation based on a self-blocking mechanism. Journal of Electroanalytical Chemistry, 1997, 436, 17-25.	1.9	59

#	Article	IF	CITATIONS
275	Cell and soft tissue interactions with methyl- and hydroxyl-terminated alkane thiols on gold surfaces. Biomaterials, 1997, 18, 1059-1068.	5.7	70
276	Derivatized electrodes in the construction of organic light emitting diodes. Advanced Materials, 1997, 9, 222-225.	11.1	84
277	Organized self-assembled lipoyl- $\hat{l}^2$ -cyclodextrin derivative monolayer on a gold electrode. Electroanalysis, 1997, 9, 68-73.	1.5	22
278	A new approach for the fabrication of an alternating multilayer film of poly(4-vinylpyridine) and poly(acrylic acid) based on hydrogen bonding. Macromolecular Rapid Communications, 1997, 18, 509-514.	2.0	377
279	Nanometer-scale Elasticity Measurements on Organic Monolayers Using Scanning Force Microscopy. Surface and Interface Analysis, 1997, 25, 383-389.	0.8	57
280	A study on adsorption structures of methacryloyloxyalkyl dihydrogen phosphates on silver substrates by infrared reflection absorption spectroscopy. , 1997, 37, 252-260.		15
281	Kinetic behavior of a rotating gold disk electrode modified with a self-assembled ferrocenecarboxamidoyl monolayer based on zirconium phosphonate. Electrochimica Acta, 1997, 42, 2319-2326.	2.6	7
282	Genosensor technology and the detention of interfacial nucleic acid chemistry. Analytica Chimica Acta, 1997, 346, 259-275.	2.6	46
283	Supported planar lipid bilayers (s-BLMs) as electrochemical biosensors. Electrochimica Acta, 1998, 43, 3587-3610.	2.6	101
284	Dynamic characteristics of adsorbed monolayers of 1-dodecanethiol on gold (111) terraces from in-situ scanning tunneling microscopy imaging. Electrochimica Acta, 1998, 44, 1053-1067.	2.6	44
285	The synthesis of 16-mercaptohexadecanyl glycosides for biosensor applications. Carbohydrate Research, 1998, 307, 361-369.	1.1	27
286	Nanoporous alkoxy-derived titanium oxide coating: a reactive overlayer for functionalizing titanium surface., 1998, 9, 355-362.		9
287	Molecular Recognition on Functionalized Self-Assembled Monolayers of Alkanethiols on Gold. Journal of the American Chemical Society, 1998, 120, 7328-7336.	6.6	116
288	Formation kinetics and electrochemical behavior of an azobenzene selfâ€assembled monolayer on a gold electrode. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1998, 102, 111-117.	0.9	6
289	Gold and Silver Nanoparticles Functionalized by the Adsorption of Dialkyl Disulfides. Langmuir, 1998, 14, 7378-7386.	1.6	197
290	Fabrication of colloidal gold micro-patterns using photolithographed self-assembled monolayers as templates. Thin Solid Films, 1998, 327-329, 176-179.	0.8	38
291	Adsorption kinetics of alkanethiols studied by quartz crystal microbalance. Thin Solid Films, 1998, 327-329, 191-194.	0.8	21
292	Chemical Contrast on a Microphase-Separated Block Copolymer Surface Observed by Scanning Force Microscopy. Advanced Materials, 1998, 10, 452-456.	11.1	20

#	Article	IF	Citations
293	Complement activation and inflammation triggered by model biomaterial surfaces., 1998, 41, 333-340.		94
294	Patterned glass surfaces direct cell adhesion and process outgrowth of primary neurons of the central nervous system., 1998, 42, 13-19.		116
295	Progress on molecular self-assembly of alkanethiols. Science Bulletin, 1998, 43, 705-710.	1.7	2
296	Protein absorption and ellipsometry in biomaterial research. Biomaterials, 1998, 19, 397-406.	5.7	266
297	Electrostatic interactions at self assembled molecular films of charged thiols on gold. Journal of Electroanalytical Chemistry, 1998, 445, 17-25.	1.9	90
298	Growth of ultrathin organic films on Au(111) surfaces. Thin Solid Films, 1998, 318, 270-272.	0.8	7
299	Coupled second-harmonic generation, surface plasmon resonance and AC impedance studies of full and partial monolayers in (Au,Ag)-alkanethiolate electrolyte systems. Thin Solid Films, 1998, 335, 178-185.	0.8	10
300	Chemisorption of tertiary phosphines on coinage and platinum group metal powders. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1998, 144, 149-166.	2.3	17
301	Soft landing of polyatomic ions for selective modification of fluorinated self-assembled monolayer surfaces. International Journal of Mass Spectrometry and Ion Processes, 1998, 174, 193-217.	1.9	65
302	Multiply twinned particle micelle. Applied Surface Science, 1998, 130-132, 834-840.	3.1	1
303	Comparative study of the electrodeposition of polybithiophene films on titanium electrodes: bare and modified with aromatic and aliphatic thiols. Synthetic Metals, 1998, 96, 165-175.	2.1	26
304	Growth kinetics in self-assembling monolayers: a unique adsorption mechanism. Surface Science, 1998, 397, L285-L290.	0.8	35
305	Formation of a novel honeycomb structure consisting of 2-mercaptomethylthiophene derivatives on Au(111) Building units to form the unique structure. Surface Science, 1998, 402-404, 701-704.	0.8	6
306	Study of Au multiple-twinned particle micelles by X-ray photoelectron spectroscopy, ultraviolet photoelectron spectroscopy (Hel) and metastable impact electron spectroscopy. Surface Science, 1998, 407, 140-151.	0.8	4
307	Desorption of 4-Aminobenzenethiol Bound to a Gold Surface. Langmuir, 1998, 14, 2343-2347.	1.6	45
308	Chapter 6. Organized molecular assemblies on the surfaces of inorganic solids-photofunctional inorganic-organic supramolecular systems. Annual Reports on the Progress of Chemistry Section C, 1998, 94, 209.	4.4	54
309	Hole superexchange across a triazole bridged osmium monolayer/electrode interfaceâ€. Analyst, The, 1998, 123, 1905-1911.	1.7	18
310	Nanometer-Scale Patterning of Surfaces Using Self-Assembly Chemistry. 3. Template-Directed Growth of Polymer Nanostructures on Organothiol Self-Assembled Mixed Monolayers. Langmuir, 1998, 14, 1099-1102.	1.6	51

#	Article	IF	CITATIONS
311	Macrocyclic amphiphiles. Part $2.\hat{a} \in \hat{a} \in \hat{a}$ Multi-point adsorptivity of the crown conformer of calix [4] resorcinarenes and their derivatives on surfaces of amorphous polar substrates. Journal of Materials Chemistry, 1998, 8, 397-403.	6.7	30
312	Scanning tunnelling microscopy study of the self assembly of 2-mercaptopyrimidine and 4,6-dimethyl-2-mercaptopyrimidine on $Au(111)$ . Journal of the Chemical Society, Faraday Transactions, 1998, 94, 1315-1319.	1.7	14
313	In Situ Monitoring of Kinetics of Charged Thiol Adsorption on Gold Using an Atomic Force Microscope. Langmuir, 1998, 14, 4790-4794.	1.6	71
314	Effect of Geometric Constraints on the Self-Assembled Monolayer Formation of Aromatic Disulfides on Polycrystalline Gold. Langmuir, 1998, 14, 3808-3814.	1.6	23
315	Fabrication of a Carboxyl-Terminated Organic Surface with Self-Assembly of Functionalized Terphenylthiols:Â The Importance of Hydrogen Bond Formation. Journal of the American Chemical Society, 1998, 120, 12069-12074.	6.6	147
316	New Organic Materials Suitable for Use in Chemical Sensor Arrays. Accounts of Chemical Research, 1998, 31, 219-227.	7.6	271
317	Self-Assembled Monolayers Based on Chelating Aromatic Dithiols on Gold. Langmuir, 1998, 14, 3815-3819.	1.6	73
318	Self-Assembled Monolayers on Oxidized Metals. 3. Alkylthiol and Dialkyl Disulfide Assembly on Gold under Electrochemical Conditions. Journal of the American Chemical Society, 1998, 120, 13444-13452.	6.6	106
319	Coordination-Controlled Self-Assembled Multilayers on Gold. Journal of the American Chemical Society, 1998, 120, 13469-13477.	6.6	102
320	Double-Layer Interactions between Self-Assembled Monolayers of ω-Mercaptoundecanoic Acid on Gold Surfaces. Langmuir, 1998, 14, 3303-3311.	1.6	119
321	Surface-Confined Monomers on Electrode Surfaces. 4. Electrochemical and Spectroscopic Characterization of Undec-10-ene-1-thiol Self-Assembled Monolayers on Au. Langmuir, 1998, 14, 113-123.	1.6	54
322	Coating of Amorphous Iron Nanoparticles by Long-Chain Alcohols. Langmuir, 1998, 14, 1512-1515.	1.6	55
323	Liposome-Mediated Enhancement of the Sensitivity in Immunoassays of Proteins and Peptides in Surface Plasmon Resonance Spectrometry. Analytical Chemistry, 1998, 70, 827-832.	3.2	173
324	Solvatochromism of a Merocyanine Derivative in a Self-Assembled Monolayer on Gold Substrates. Langmuir, 1998, 14, 7456-7462.	1.6	22
325	Surface Hydrogelation of Thiolated Water-Soluble Copolymers on Gold. Langmuir, 1998, 14, 3909-3915.	1.6	10
326	Thioethylpyrrole Monolayers on Gold. A Spectroscopic Study in Ultrahigh Vacuum. Journal of Physical Chemistry B, 1998, 102, 6529-6538.	1.2	9
327	Self-Assembled Carbohydrate Monolayers:Â Formation and Surface Selective Molecular Recognition. Langmuir, 1998, 14, 4517-4524.	1.6	91
328	Two-Dimensional Structure of Disulfides and Thiols on Gold(111). Langmuir, 1998, 14, 808-815.	1.6	71

#	Article	IF	CITATIONS
329	Structure and Growth of Hexyl Azobenzene Thiol SAMs on Au(111). Langmuir, 1998, 14, 3264-3271.	1.6	99
330	Electroless Gold as a Substrate for Self-Assembled Monolayers. Langmuir, 1998, 14, 3287-3297.	1.6	91
331	In Situ Scanning Tunneling Microscopy Observation of the Self-Assembly Process of Alkanethiols on Gold(111) in Solution. Langmuir, 1998, 14, 855-861.	1.6	174
332	Air Oxidation of Self-Assembled Monolayers on Polycrystalline Gold:Â The Role of the Gold Substrate. Langmuir, 1998, 14, 6419-6423.	1.6	137
333	Infrared Spectroscopic and Temperature-Programmed Desorption Studies of Dimethylphenylphosphine Adsorbed on the Coinage Metals. Langmuir, 1998, 14, 2736-2743.	1.6	11
334	Corrosion Passivation of Gold by n-Alkanethiol Self-Assembled Monolayers:  Effect of Chain Length and End Group. Langmuir, 1998, 14, 3279-3286.	1.6	186
335	Electrochemical and Spectroscopic Characterization of Self-Assembled Monolayers of Ferrocenylalkyl Compounds with Amide Linkages. Langmuir, 1998, 14, 124-136.	1.6	101
336	Accelerating the Kinetics of Thiol Self-Assembly on GoldA Spatial Confinement Effect. Journal of the American Chemical Society, 1998, 120, 9356-9361.	6.6	114
337	Infrared and Computational Studies of Spontaneously Adsorbed Amine Reagents on YBa2Cu3O7:Â Structural Characterization of Monolayers atop Anisotropic Superconductor Surfaces. Journal of the American Chemical Society, 1998, 120, 2733-2745.	6.6	19
338	Polarized ATR-IR Studies of Surface-Field-Induced Anchoring of Alkyl Cyanobiphenyls. Journal of Physical Chemistry B, 1998, 102, 5309-5312.	1.2	6
339	Ozonolysis Is the Primary Cause of UV Photooxidation of Alkanethiolate Monolayers at Low Irradiance. Journal of the American Chemical Society, 1998, 120, 2654-2655.	6.6	93
340	Formation and Characterization of Supported Hexadecanethiol/Dimyristoyl Phosphatidylcholine Hybrid Bilayers Containing Gramicidin D. Langmuir, 1998, 14, 5850-5857.	1.6	11
341	Simple Acidâ^'Base Hydrolytic Chemistry Approach to Molecular Self-Assembly:  Thin Films of Long Chain Alcohols Terminated with Alkyl, Phenyl, and Acetylene Groups on Inorganic Oxides Surfaces. Langmuir, 1998, 14, 6941-6947.	1.6	33
342	Self-Assembled Monolayers with Charge-Transfer Functional Groups:Â Immobilization of the Electron Donor TMPD and the Electron Acceptor TCNQ. Langmuir, 1998, 14, 5834-5840.	1.6	29
343	Dynamics of the Formation of Mixed Alkanethiol Monolayers:Â Applications in Structuring Biointerfacial Arrangements. Langmuir, 1998, 14, 5139-5146.	1.6	41
344	Characterization and Surface Charge Measurement of Self-Assembled CdS Nanoparticle Films. Chemistry of Materials, 1998, 10, 1160-1165.	3.2	114
345	Adsorption Kinetics and Ligand-Binding Properties of Thiol-Modified Double-Stranded DNA on a Gold Surface. Langmuir, 1998, 14, 6121-6129.	1.6	126
346	Self-Assembled Monolayers from Organosulfur Compounds:  A Comparison between Sulfides, Disulfides, and Thiols. Langmuir, 1998, 14, 1103-1107.	1.6	146

#	Article	IF	CITATIONS
347	In situ studies of thiol self-assembly on gold from solution using atomic force microscopy. Journal of Chemical Physics, 1998, 108, 5002-5012.	1.2	189
348	Inâ^'Plane Resistivity of Ultrathin Gold Films:  A High Sensitivity, Molecularly Differentiated Probe of Mercaptan Chemisorption at the Liquidâ^'Metal Interface. Journal of the American Chemical Society, 1998, 120, 9969-9970.	6.6	51
349	Self-Assembled Monolayers on Oxidized Metals. 4. Superiorn-Alkanethiol Monolayers on Copper. Journal of Physical Chemistry B, 1998, 102, 9861-9869.	1.2	149
350	Macrodipole Interaction of Helical Peptides in a Self-Assembled Monolayer on Gold Substrate. Langmuir, 1998, 14, 6167-6172.	1.6	58
351	Zinc-Bisquinoline Coordination Assemblies of High Refractive Index and Film Uniformity. Journal of the American Chemical Society, 1998, 120, 6177-6178.	6.6	53
352	Complex Structural Dynamics at Adsorbed Alkanethiol Layers at Au(111) Single-Crystal Domains. Langmuir, 1998, 14, 7203-7212.	1.6	44
353	Displacement of Thiophene by Methanethiol Observed in Situ by Scanning Tunneling Microscopy and Quartz Crystal Oscillator Gravimetric Analysis on Au(111). Langmuir, 1998, 14, 6676-6680.	1.6	16
354	The Adsorption of 2-Mercaptoethanol on Silver Mirror and HC1-Etched Iron. Spectroscopy Letters, 1998, 31, 167-175.	0.5	8
355	CHEMICALLY SELF-ASSEMBLED NANOELECTRONIC COMPUTING NETWORKS. International Journal of High Speed Electronics and Systems, 1998, 09, 1-35.	0.3	17
356	The Molecular Arrangements of Alkanethiol Self-Assembled Monolayers on Au(111) Studied by Scanning Tunneling Microscopy. Japanese Journal of Applied Physics, 1998, 37, 6183-6185.	0.8	21
357	pH Dependence of Surface Enhanced FT-Raman Scattering of Ω-Mercaptoalkanols on Silver Surface. Spectroscopy Letters, 1998, 31, 881-889.	0.5	1
358	Surface Modification with Functionalized Self-Assembly and Surface Characterization by Lateral Force Microscopy. Molecular Crystals and Liquid Crystals, 1998, 316, 123-128.	0.3	0
359	Application of Polyamides Containing Disulfide Bonds to Copper Corrosion Inhibitor Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 1998, 49, 790-791.	0.1	0
360	Reductive Desorption of Self-Assembled Monolayers of Thiols Review of Polarography, 1998, 44, 69-75.	0.0	0
361	Electron Transfer Reaction of Cytochrome c at Poly(ethylene oxide)-Thiolate-Modified Gold Electrode. Chemistry Letters, 1998, 27, 407-408.	0.7	4
362	Bases of Chemical Force Microscopy by Friction: Energetics and Dynamics of Wearless Friction between Organic Monolayers in Terms of Chemical and Physical Properties of Molecules. Japanese Journal of Applied Physics, 1999, 38, 3918-3931.	0.8	31
363	ANGULAR RESOLVED X-RAY ABSORPTION NEAR EDGE STRUCTURE INVESTIGATION OF ADSORBED ALKANETHIOL MONOLAYERS ON III–V(110) SURFACES. Surface Review and Letters, 1999, 06, 1179-1186.	0.5	3
364	Self-Assembly Process of Alkanethiol Monolayers. Japanese Journal of Applied Physics, 1999, 38, 6019-6023.	0.8	12

#	Article	IF	CITATIONS
365	Evolution of the structure and mechanical stability of self-assembled alkanethiol islands on $Au(111)$ due to diffusion and ripening. Journal of Chemical Physics, 1999, 111, 9797-9802.	1.2	88
366	Molecular beam study of the adsorption and desorption of hydrogen sulfide on Au $\{100\}$ . Journal of Chemical Physics, 1999, 111, 10670-10680.	1.2	25
367	Formation, Behaviour and Reactivity in Thin Organic Films Containing Sulfur. Phosphorus, Sulfur and Silicon and the Related Elements, 1999, 153, 1-22.	0.8	0
368	Synthesis of a cellulose thiosulfate and its immobilization on gold surfaces. Polymer, 1999, 40, 1593-1601.	1.8	32
369	In vivo cell recruitment, cytokine release and chemiluminescence response at gold, and thiol functionalized surfaces. Biomaterials, 1999, 20, 2123-2137.	5.7	52
370	Preparation of cyclic disulfides from bisthiocyanates. Tetrahedron Letters, 1999, 40, 6489-6492.	0.7	44
371	Tailoring of a smooth polycrystalline gold surface as a suitable anchoring site for a self-assembled monolayer. Thin Solid Films, 1999, 339, 142-147.	0.8	8
372	Lateral force microscopy study of functionalized self-assembled monolayer surfaces. Thin Solid Films, 1999, 341, 91-93.	0.8	10
373	Synthesis of symmetrical and unsymmetrical alkyl disulfides with attached flavin analog for formation of self-assembled monolayers on gold. Tetrahedron, 1999, 55, 13333-13344.	1.0	7
374	In situ STM study of self-assembled mercaptopropionic acid monolayers for electrochemical detection of dopamine. Journal of Electroanalytical Chemistry, 1999, 465, 72-79.	1.9	174
375	Self-organization of $\hat{l}$ ±-cyclodextrin on Au(111) surfaces induced by potential controlled adsorption. Journal of Electroanalytical Chemistry, 1999, 472, 163-167.	1.9	18
377	Self-assembly of a tricarboxylate receptor through thioamide groups and its use for electrochemical detection of protonated amines. Journal of Electroanalytical Chemistry, 1999, 473, 105-112.	1.9	22
378	Electrochemical and EQCM studies on the assembly of asymmetric viologen on bare and alkanethiol-coated Au electrodes. Journal of Electroanalytical Chemistry, 1999, 477, 52-61.	1.9	7
379	Reversible binding of resorcin[4]arene cavitands onto a self-assembled monolayer. Journal of Molecular Structure, 1999, 479, 65-73.	1.8	5
380	An infrared study on the chemisorption of tertiary phosphines on coinage and platinum group metal surfaces. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1999, 150, 31-43.	2.3	23
381	The interaction of proteins and cells with self-assembled monolayers of alkanethiolates on gold and silver. Colloids and Surfaces B: Biointerfaces, 1999, 15, 3-30.	2.5	422
382	Chemical properties of hydrogen-bonded organic bilayers fabricated via self-assembly of COOH-functionalised oligophenylthiols on Au substrates. Materials Science and Engineering C, 1999, 8-9, 431-435.	3.8	5
383	Formation of a copper(I) catenate on an $\tilde{A}$ ©lectrode surface via S-Au interactions. Comptes Rendus De L'Academie Des Sciences - Series IIc: Chemistry, 1999, 2, 41-47.	0.1	6

#	Article	IF	Citations
384	Langmuir–Blodgett monolayer modified electrodes based on thiol-derived bifunctional alkanes. Electrochemistry Communications, 1999, 1, 437-440.	2.3	7
385	Direct measurement of forces between particles and bubbles. International Journal of Mineral Processing, 1999, 56, 99-115.	2.6	94
386	In situ and ex situ AFM investigation of the formation of octadecylsiloxane monolayers. Applied Surface Science, 1999, 140, 168-175.	3.1	49
387	Self-assembled monolayers of 4-aminothiophenol on copper surfaces studied by grazing-incidence X-ray absorption spectroscopy. Journal of Synchrotron Radiation, 1999, 6, 793-795.	1.0	3
388	Detection of 2-mercaptoethanol using gold-coated micromachined cantilevers. Sensors and Actuators B: Chemical, 1999, 61, 75-82.	4.0	76
389	Copper underpotential deposition on ethanethiol-modified $Au(111)$ electrodes: kinetic effects. Electrochimica Acta, 1999, 45, 1141-1145.	2.6	48
390	Modified electrode surfaces for catalytic reduction of carbon dioxide. Analytica Chimica Acta, 1999, 396, 1-12.	2.6	42
391	Angular-resolved XANES measurements of the polar and azimuthal orientation of alkanethiols on InP(110). Chemical Physics Letters, 1999, 311, 8-12.	1.2	12
392	Molecular-beam study of the adsorption and desorption of hydrogen sulfide on Ag $\{111\}$ . Chemical Physics Letters, 1999, 312, 455-460.	1.2	16
393	Monolayer-Mediated Patterning of Integrated Electroceramics. , 1999, 3, 163-172.		27
394	Adsorption and Desorption of Electroactive Self-Assembled Thiolate Monolayers on Gold. Langmuir, 1999, 15, 8170-8177.	1.6	28
395	Calixarene Monolayers as Quartz Crystal Microbalance Sensing Elements in Aqueous Solution. Analytical Chemistry, 1999, 71, 142-148.	3.2	42
396	Electrical measurement on a phthalocyanine Langmuir-Blodgett film: II. The effect of the substrate surface treatment on the electrical characteristics. Journal Physics D: Applied Physics, 1999, 32, 968-974.	1.3	4
397	Self-assembled Monolayers of Two Aromatic Disulfides and a Diselenide on Polycrystalline Silver Films: An Investigation by SERS and XPS. Journal of Colloid and Interface Science, 1999, 212, 553-561.	5.0	23
398	Chemical Force Microscopy Study of Adhesion and Friction between Surfaces Functionalized with Self-Assembled Monolayers and Immersed in Solvents. Journal of Colloid and Interface Science, 1999, 213, 238-250.	5.0	134
399	Secondary ion yields produced by keV atomic and polyatomic ion impacts on a self-assembled monolayer surface., 1999, 13, 1374-1380.		26
400	In situ observation of electrode surfaces using scanning Maxwell-stress microscopy under water. Surface and Interface Analysis, 1999, 27, 317-323.	0.8	10
401	Organic Thiosulfates (Bunte Salts):Â Novel Surface-Active Sulfur Compounds for the Preparation of Self-Assembled Monolayers on Gold. Langmuir, 1999, 15, 3529-3537.	1.6	70

#	Article	IF	Citations
402	Chemisorption and Chemical Reaction Effects on the Resistivity of Ultrathin Gold Films at the Liquidâ^'Solid Interface. Analytical Chemistry, 1999, 71, 119-125.	3.2	55
403	Modification of a Au $(111)$ Electrode with Ethanethiol. 1. Adlayer Structure and Electrochemistry. Langmuir, 1999, 15, 2435-2443.	1.6	108
404	Effect of electrolytes on the electrochemical behaviour of 11-(ferrocenylcarbonyloxy)undecanethiol SAMs on gold disk electrodes. Physical Chemistry Chemical Physics, 1999, 1, 1549-1554.	1.3	89
405	A Surface Plasmon Resonance Study of the Binding of Antibody LDS47 to Self-assembled Monolayers of Cysteine Containing Peptides. Journal of Chemical Research Synopses, 1999, , 42-43.	0.3	0
406	Distance dependence of surface enhanced Raman scattering probed by alkanethiol self-assembled monolayers. Physical Chemistry Chemical Physics, 1999, 1, 2351-2353.	1.3	59
407	Applications of Self-Assembled Monolayers (SAMs) of Alkanethiolates on Gold. Studies in Surface Science and Catalysis, 1999, 120, 917-950.	1.5	3
408	Interaction between Plasmid DNA and Cationic Polymers Studied by Surface Plasmon Resonance Spectrometry. Analytical Chemistry, 1999, 71, 801-805.	3.2	87
409	Self-Assembled Monolayers of Alkanesulfonic and -phosphonic Acids on Amorphous Iron Oxide Nanoparticles. Langmuir, 1999, 15, 7111-7115.	1.6	251
410	Infrared spectroscopic study of a $\hat{I}^3$ -mercaptopropyltrimethoxysilane monolayer on a gold surface. Journal of Materials Chemistry, 1999, 9, 1507-1510.	6.7	6
411	Modification of a Au $(111)$ Electrode with Ethanethiol. 2. Copper Electrodeposition. Langmuir, 1999, 15, 7802-7809.	1.6	78
412	Coating Carboxylic Acids on Amorphous Iron Nanoparticles. Langmuir, 1999, 15, 1703-1708.	1.6	149
413	Adsorption and desorption of butanethiol on Au $\{100\}$ - $(5 ilde{A}$ - $20)$ . Surface Science, 1999, 431, 174-185.	0.8	16
414	Supported Hybrid Bilayer Membranes as Rugged Cell Membrane Mimics. Langmuir, 1999, 15, 5128-5135.	1.6	319
415	Coverage-Dependent Phases and Phase Stability of Decanethiol on Au(111). Langmuir, 1999, 15, 1167-1175.	1.6	245
416	Use of Alkanethiol-Coated Electrodes To Study the Importance of Water Content on the Electrochemical Behavior ofN-Ethyl-Nâ€⁻-octadecyl Viologen on a Gold Electrode Surface. Langmuir, 1999, 15, 3816-3822.	1.6	14
417	Investigation into an Alternating Multilayer Film of Poly(4-Vinylpyridine) and Poly(acrylic acid) Based on Hydrogen Bonding. Langmuir, 1999, 15, 1360-1363.	1.6	121
418	A study of L-cysteine adsorption on gold via electrochemical desorption and copper(II) ion complexation. Analyst, The, 1999, 124, 1645-1649.	1.7	85
419	X-ray Induced Damage of Self-Assembled Alkanethiols on Gold and Indium Phosphide. Langmuir, 1999, 15, 5285-5294.	1.6	89

#	Article	IF	CITATIONS
420	Formation of Alkanethiolate Self-Assembled Monolayers on Oxidized Gold Surfaces. Langmuir, 1999, 15, 2414-2419.	1.6	41
421	Characterization of the physical properties of model biomembranes at the nanometer scale with the atomic force microscope. Faraday Discussions, 1999, 111, 79-94.	1.6	102
422	Chelating Self-Assembled Monolayers on Gold Generated from Spiroalkanedithiols. Langmuir, 1999, 15, 1136-1140.	1.6	58
423	Self-Assembled Monolayers of Cystamine and Cysteamine on Gold Studied by XPS and Voltammetry. Langmuir, 1999, 15, 6370-6378.	1.6	228
424	Formation of Self-Assembled Monolayers of Alkanethiols on GaAs Surface with in Situ Surface Activation by Ammonium Hydroxide. Langmuir, 1999, 15, 8577-8579.	1.6	71
425	Recognition of Cations by Self-Assembled Monolayers of Crown Ethers. Journal of Physical Chemistry B, 1999, 103, 6515-6520.	1.2	97
426	Characterization of the Surface to Thiol Bonding in Self-Assembled Monolayer Films of C12H25SH on InP(100) by Angle-Resolved X-ray Photoelectron Spectroscopy. Langmuir, 1999, 15, 8640-8644.	1.6	35
427	Self-Assembled Monolayer of Sugar-Carrying Polymer Chain:Â Sugar Balls from 2-Methacryloyloxyethyld-Glucopyranosideâ€. Langmuir, 1999, 15, 482-488.	1.6	64
428	A Convenient Trimethylsilylthioxy-Dehalogenation Reaction for the Preparation of Functionalized Thiols. Journal of Organic Chemistry, 1999, 64, 4959-4961.	1.7	62
429	4-Hydroxythiophenol-Protected Gold Nanoclusters in Aqueous Media. Langmuir, 1999, 15, 7551-7557.	1.6	57
430	Molecular Dynamics Simulations of Particle Bombardment Induced Desorption Processes:Â Alkanethiolates on Au(111). Journal of Physical Chemistry B, 1999, 103, 3195-3205.	1.2	55
431	Quantitative Measurements of Frictional Properties ofn-Alkanethiols on Au(111) by Scanning Force Microscopy. Journal of Physical Chemistry B, 1999, 103, 8290-8295.	1.2	34
432	Nonequilibrium Pattern Formation in Langmuir-Phase Assisted Assembly of Alkylsiloxane Monolayers. Journal of Physical Chemistry B, 1999, 103, 10149-10157.	1.2	17
433	Molecular-Scale Characterization of the Reaction of Ozone with Decanethiol Monolayers on Au(111). Journal of the American Chemical Society, 1999, 121, 9703-9711.	6.6	52
434	Arenethiolate Monolayer-Protected Gold Clusters. Langmuir, 1999, 15, 682-689.	1.6	169
435	Adsorption of Heptanethiol on Cu(110). Langmuir, 1999, 15, 3767-3772.	1.6	50
436	Collision-Induced Chemical Dynamics in Ethanethiol Adsorbed on Au(111). Journal of Physical Chemistry B, 1999, 103, 9933-9943.	1.2	10
437	Highly Oriented, Self-Assembled Alkanephosphate Monolayers on Tantalum(V) Oxide Surfaces. Langmuir, 1999, 15, 4324-4327.	1.6	101

#	Article	IF	CITATIONS
438	Use of Mixed Self-Assembled Monolayers in a Study of the Effect of the Microenvironment on Immobilized Glucose Oxidase. Langmuir, 1999, 15, 1198-1207.	1.6	86
439	Infrared Reflection-Absorption Study of Ordering and Hydrogen Bonding within Chiral and Nonchiral Self-Assembled Monolayers on Gold. Applied Spectroscopy, 1999, 53, 33-39.	1.2	6
440	Constructing Surface Roughness of Silver for Surface-Enhanced Raman Scattering by Self-Assembled Monolayers and Selective Etching Process. Applied Spectroscopy, 1999, 53, 540-546.	1.2	12
441	Surface-Enhanced Infrared Absorption Spectrometry of p-Nitrothiophenol and its Disulfide. Applied Spectroscopy, 1999, 53, 1448-1453.	1.2	22
442	1,4-Naphthoquinone Disulfides and Methyl Sulfides:  Self-Assembled Monolayers on Gold Substrates. Journal of Organic Chemistry, 1999, 64, 2919-2923.	1.7	14
443	In situSTM Visualization of Fullerene Epitaxial Adlayers on Au(111) Surfaces Prepared by the Transfer of Langmuir Films. Chemistry Letters, 1999, 28, 279-280.	0.7	10
444	Application of Lipoic Acid Derivatives to Copper Corrosion Inhibitor Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 1999, 50, 382-383.	0.1	0
447	Electrochemical Characteristic of 2-Mercaptobenzothiazole Self-Assembled Monolayer on Gold. Analytical Sciences, 2000, 16, 457-461.	0.8	31
449	Characterization of Photooxidized Self-Assembled Monolayers and Bilayers by Spontaneous Desorption Mass Spectrometry. Analytical Chemistry, 2000, 72, 5973-5980.	3.2	14
450	Self-Assembled Polythiophene Monolayer on Gold Surface. Molecular Crystals and Liquid Crystals, 2000, 349, 167-170.	0.3	0
451	Studies of Adsorption Kinetics and Defects of Selfâ€Assembled Thiol Monolayers on Gold by Capacitance Plane Plot. Journal of the Chinese Chemical Society, 2000, 47, 1197-1203.	0.8	8
452	Molecular Orientation in The Peptide Self-Assembled Monolayers. Materials Research Society Symposia Proceedings, 2000, 648, 1.	0.1	1
453	Local Environment of Surface-Polyelectrolyte-Bound DNA Oligomers. Materials Research Society Symposia Proceedings, 2000, 651, 1.	0.1	1
455	Density functional theory approach to thiols and disulfides on gold: $Au(111)$ surface and clusters. International Journal of Quantum Chemistry, 2000, 80, 598-608.	1.0	116
458	Electrochemistry and structure of the isomers of aminothiophenol adsorbed on gold. Journal of Electroanalytical Chemistry, 2000, 491, 55-68.	1.9	56
459	A QM/MM model for O( 3 P) reaction with an alkyl thiolate self-assembled monolayer. Journal of Molecular Structure, 2000, 556, 43-57.	1.8	54
460	Characterization of protein-resistant dextran monolayers. Biomaterials, 2000, 21, 957-966.	5.7	100
461	Structure and growth of self-assembling monolayers. Progress in Surface Science, 2000, 65, 151-257.	3.8	2,243

#	Article	IF	Citations
462	Formation of the â€~nanotube' structure of β-cyclodextrin on Au(III) surfaces induced by potential controlled adsorption. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2000, 169, 27-33.	2.3	35
463	A high-density poly(ethylene glycol) polymer brush for immobilization on glass-type surfaces. Biosensors and Bioelectronics, 2000, 15, 473-481.	5.3	226
464	A novel cleaning method of gold-coated atomic force microscope tips for their chemical modification. Ultramicroscopy, 2000, 82, 181-191.	0.8	46
465	Self-assembled monolayers: a versatile tool for the formulation of bio-surfaces. TrAC - Trends in Analytical Chemistry, 2000, 19, 530-540.	5.8	215
466	Spectra of surface-enhanced Raman scattering of 1-propanethiol and 3-mercaptopropionic acid chemisorbed on thin silver films. Optics and Spectroscopy (English Translation of Optika I) Tj ETQq0 0 0 rgBT /C	)ver <b>loe</b> k 10	) Tf&0 577 Td
467	Electrochemical genosensor design: immobilisation of oligonucleotides onto transducer surfaces and detection methods. Biosensors and Bioelectronics, 2000, 15, 291-303.	5.3	302
468	Surface resistance investigations of the exchange of 3D monolayers with molecules self-assembled on planar gold surfaces. Chemical Physics Letters, 2000, 327, 299-304.	1.2	6
469	Preparation and spectroscopic characterization of a self-assembled monolayer of squarylium dye on gold. Dyes and Pigments, 2000, 45, 23-28.	2.0	7
470	Goldâ^'Sulfur Bonding in 2D and 3D Self-Assembled Monolayers:  XPS Characterization. Journal of Physical Chemistry B, 2000, 104, 6562-6567.	1.2	329
471	Structural Chemistry of Self-Assembled Monolayers of Octadecylphosphoric Acid on Tantalum Oxide Surfaces. Langmuir, 2000, 16, 3257-3271.	1.6	256
472	Detection of Discrete Interactions upon Rupture of Au Microcontacts to Self-Assembled Monolayers Terminated with â°'S(CO)CH3or â°'SH. Journal of the American Chemical Society, 2000, 122, 9750-9760.	6.6	47
473	Layer-by-Layer Growth of Acentric Multilayers of Zr and Azobenzene Bis(phosphonate):Â Structure, Composition, and Second-Order Nonlinear Optical Properties. Chemistry of Materials, 2000, 12, 2363-2371.	3.2	77
474	Label-free detection of biomolecular interaction by optical sensors. Fresenius' Journal of Analytical Chemistry, 2000, 366, 576-585.	1.5	69
475	Piezoelectric Quartz Crystal Biosensors: Recent Immobilisation Schemes. Analytical Letters, 2000, 33, 2129-2151.	1.0	36
476	Planar tunneling spectroscopy of Y1â^'x Prx Ba 2 Cu 3 O7 thin films as a function of crystallographic orientation. Physical Review B, 2000, 62, 12440-12454.	1.1	22
477	Molecular dynamics simulations of friction between an ordered organic monolayer and a rigid slider with an atomic-scale protuberance. Physical Review B, 2000, 62, 17055-17071.	1.1	30
478	Scanning tunneling microscopy on the formation of lipoamide-cyclodextrin monolayer on Au(111). Applied Physics Letters, 2000, 76, 643-645.	1.5	11
479	Ultraviolet lithography of self-assembled monolayers for submicron patterned deposition. Applied Physics Letters, 2000, 77, 2406-2408.	1.5	54

#	Article	IF	CITATIONS
480	Real-Time Analysis of Biomolecular Interactions. , 2000, , .		50
481	Modification of poly(tetrafluoroethylene) and gold surfaces by thermal graft copolymerization for adhesion improvement. Journal of Adhesion Science and Technology, 2000, 14, 507-527.	1.4	5
482	Semifluorinated/Hydrogenated Alkylthiol Thin Films:Â A Comparison between Disulfides and Thiol Binary Mixtures. Langmuir, 2000, 16, 1734-1743.	1.6	49
483	Design of Supported Membranes Tethered via Metal-Affinity Ligand-Receptor Pairs. Biophysical Journal, 2000, 79, 3144-3152.	0.2	47
484	Nanopatterning of Au absorber films on Mo/Si EUV multilayer mirrors by STM lithography in self-assembled monolayers. Surface Science, 2000, 454-456, 1104-1109.	0.8	9
486	DNA probes on chip surfaces studied by scanning force microscopy using specific binding of colloidal gold. Nucleic Acids Research, 2000, 28, 91e-91.	6.5	85
487	Monolayer Assembly of Zeolite Crystals on Glass with Fullerene as the Covalent Linker. Journal of the American Chemical Society, 2000, 122, 5201-5209.	6.6	119
488	Self-Assembling of Monolayer-Protected Gold Nanoparticles. Journal of Physical Chemistry B, 2000, 104, 663-667.	1.2	132
489	Effect of an Oxidized Gold Substrate on Alkanethiol Self-Assembly. Langmuir, 2000, 16, 5347-5353.	1.6	27
490	Electrochemical Quartz Crystal Microbalance Study of the Growth Characteristics of N-Alkylpyrrole:Â Organic Monolayers as Nucleation Sites for Ordered Polymer Growthâ€. Langmuir, 2000, 16, 4533-4538.	1.6	20
491	Structural Models and Thermal Desorption Energetics for Multilayer Assemblies of the n-Alkanes on Pt(111). Journal of Physical Chemistry B, 2000, 104, 754-763.	1.2	44
492	C30 Self-Assembled Monolayers on Silica, Titania, and Zirconia:  HPLC Performance, Atomic Force Microscopy, Ellipsometry, and NMR Studies of Molecular Dynamics and Uniformity of Coverage. Journal of the American Chemical Society, 2000, 122, 6997-7011.	6.6	60
493	Self-Assembled Monolayer of Polyoxometalate on Gold Surfaces:Â Quartz Crystal Microbalance, Electrochemistry, and in-Situ Scanning Tunneling Microscopy Study. Langmuir, 2000, 16, 4946-4952.	1.6	45
494	Hydrophilic/Hydrophobic Patterned Surfaces as Templates for DNA Arrays. Langmuir, 2000, 16, 7223-7228.	1.6	79
495	Conformational and Thermal Phase Behavior of Oligomethylene Chains Constrained by Carbohydrate Hydrogen-Bond Networks. Journal of the American Chemical Society, 2000, 122, 12327-12333.	6.6	73
496	Self-Assembled Layers of Bisbenzamidines on Gold. Langmuir, 2000, 16, 5936-5944.	1.6	10
497	Formation and Patterning of Self-Assembled Monolayers Derived from Long-Chain Organosilicon Amphiphiles and Their Use as Templates in Materials Microfabrication. Langmuir, 2000, 16, 6968-6976.	1.6	60
498	Adsorption Profiles of Chelating Aromatic Dithiols and Disulfides:Â Comparison to Those of Normal Alkanethiols and Disulfides. Langmuir, 2000, 16, 4266-4271.	1.6	43

#	Article	IF	CITATIONS
499	Influence of Wetting Properties on the Long-Range "Hydrophobic―Interaction between Self-Assembled Alkylthiolate Monolayers. Langmuir, 2000, 16, 2177-2184.	1.6	54
500	MORPHOLOGICAL AND PHYSICAL STATE OF MONOLAYER-FORMING PRECURSORS IN ENGINEERED FIBER–POLYMER MATRICES. Polymer-Plastics Technology and Engineering, 2000, 39, 119-135.	1.9	4
501	Investigation into Self-Assembled Monolayers of a Polyether Dendron Thiol:Â Chemisorption, Kinetics, and Patterned Surface. Langmuir, 2000, 16, 3813-3817.	1.6	42
502	Complexation of Porphyrin with a Pyridine Moiety in Self-Assembled Monolayers on Metal Surfaces. Journal of Physical Chemistry B, 2000, 104, 271-278.	1.2	53
503	Temperature-Driven Phase Transitions in Oligo(ethylene glycol)-terminated Self-Assembled Monolayers. Journal of Physical Chemistry B, 2000, 104, 7565-7569.	1.2	50
504	Adsorption of Diisocyanides on Gold. Langmuir, 2000, 16, 6183-6187.	1.6	107
505	Use of a Steroid Cyclic Disulfide Anchor in Constructing Gold Nanoparticleâ^'Oligonucleotide Conjugates. Bioconjugate Chemistry, 2000, 11, 289-291.	1.8	147
506	A Metal-Ion Coordinated Hybrid Multilayer. Langmuir, 2000, 16, 4420-4423.	1.6	48
507	Interfacial Recognition of Sugars by Boronic Acid-Carrying Self-Assembled Monolayerâ€. Langmuir, 2000, 16, 577-583.	1.6	104
508	Nanofabrication of Self-Assembled Monolayers Using Scanning Probe Lithography. Accounts of Chemical Research, 2000, 33, 457-466.	7.6	573
509	Self-Assembled Molecular Architectures on Surfaces:Â New Strategies Involving Metalâ-'Organic Copolymers. Langmuir, 2000, 16, 6191-6199.	1.6	35
510	Layer-by-Layer Assembly of Zeolite Crystals on Glass with Polyelectrolytes as Ionic Linkers. Journal of the American Chemical Society, 2001, 123, 9769-9779.	6.6	112
511	Formation of a Self-Assembled Monolayer of 2-Mercapto-3-n-octylthiophene on Gold. Langmuir, 2001, 17, 4904-4909.	1.6	28
512	Soft Lithography in Biology and Biochemistry. Annual Review of Biomedical Engineering, 2001, 3, 335-373.	5.7	2,380
513	MECHANISMS ANDKINETICS OFSELF-ASSEMBLEDMONOLAYERFORMATION. Annual Review of Physical Chemistry, 2001, 52, 107-137.	4.8	625
514	High surface density immobilization of oligonucleotide on silicon. Analyst, The, 2001, 126, 485-490.	1.7	20
515	Order and Orientation in Self-Assembled Long Chain Alkanephosphate Monolayers Adsorbed on Metal Oxide Surfaces. Langmuir, 2001, 17, 7047-7052.	1.6	52
516	Mixed Monolayers Self-Assembled on Mica Surface. Langmuir, 2001, 17, 4274-4281.	1.6	16

#	Article	IF	CITATIONS
517	DNA-gold conjugates for the detection of specific molecular interactions. Reviews in Molecular Biotechnology, 2001, 82, 37-46.	2.9	42
518	Nanosized tellurium clusters grown at thiolated $\hat{l}^2$ -cyclodextrin molecular template modified electrodes: Electrochemical deposition and STM characterization. Physical Chemistry Chemical Physics, 2001, 3, 3382-3386.	1.3	14
519	Preparation of palladium nanoparticles functionalized with biferrocene thiol derivatives and their electro-oxidative deposition. Physical Chemistry Chemical Physics, 2001, 3, 3377-3381.	1.3	40
520	Effect of chain length on the surface properties of ω-carboxy alkanethiol self-assembled monolayers. Physical Chemistry Chemical Physics, 2001, 3, 3769-3773.	1.3	75
521	Low-Energy Collisions of Pyrazine andd6-Benzene Molecular Ions with Self-Assembled Monolayer Surfaces: A The Oddâ^'Even Chain Length Effect. Langmuir, 2001, 17, 8254-8259.	1.6	12
522	Formation of Covalently Linked Self-Assembled Films of a Functional Hyperbranched Conjugated Poly(Phenylene Vinylene). Journal of Physical Chemistry B, 2001, 105, 4094-4098.	1.2	24
523	A Kinetic Model for the Reductive Desorption of Self-Assembled Thiol Monolayers. Langmuir, 2001, 17, 3273-3280.	1.6	38
524	Alkyl Xanthates:  New Capping Agents for Metal Colloids. Capping of Platinum Nanoparticles. Langmuir, 2001, 17, 2913-2917.	1.6	38
525	Surface Second Harmonic Generation from Asymmetric Multilayer Assemblies:Â Gaining Insight into Layer-Dependent Order. Langmuir, 2001, 17, 3438-3446.	1.6	40
526	Real-Time Dynamics of Single-DNA Molecules Undergoing Adsorption and Desorption at Liquidâ^'Solid Interfaces. Analytical Chemistry, 2001, 73, 1091-1099.	3.2	118
527	Immobilizing Au Nanoparticles on SiO2Surfaces Using Octadecylsiloxane Monolayers. Langmuir, 2001, 17, 5666-5670.	1.6	17
528	Self-Assembled Monolayers of 4-Mercaptobiphenyls. Accounts of Chemical Research, 2001, 34, 855-863.	7.6	171
529	Confinement-Induced Film Thickness Transitions in Liquid Crystals between Two Alkanethiol Monolayers on Gold. Langmuir, 2001, 17, 6213-6219.	1.6	31
530	Mammalian Cell Cultures on Micropatterned Surfaces of Weak-Acid, Polyelectrolyte Hyperbranched Thin Films on Gold. Analytical Chemistry, 2001, 73, 1560-1566.	3.2	65
531	Accumulation of Functional Block Telomers on Metal Surfacesâ€. Langmuir, 2001, 17, 1878-1884.	1.6	18
532	In Situ, Real-Time Monitoring of the Reductive Desorption Process of Self-Assembled Monolayers of Hexanethiol on $Au(111)$ Surfaces in Acidic and Alkaline Aqueous Solutions by Scanning Tunneling Microscopy. Langmuir, 2001, 17, 8224-8228.	1.6	74
533	Lateral Force Microscopy Study of the Frictional Behavior of Self-Assembled Monolayers of Octadecyltrichlorosilane on Silicon/Silicon Dioxide Immersed in n-Alcohols. Langmuir, 2001, 17, 720-732.	1.6	59
534	Photoreactivity of Alkylsiloxane Self-Assembled Monolayers on Silicon Oxide Surfaces. Langmuir, 2001, 17, 4497-4500.	1.6	56

#	Article	IF	CITATIONS
535	Self-Assembled Monolayers That Resist the Adsorption of Proteins and the Adhesion of Bacterial and Mammalian Cells. Langmuir, 2001, 17, 6336-6343.	1.6	556
536	The Role of Buried Hydrogen Bonds in Self-Assembled Mixed Composition Thiols on Au{111}. Journal of Physical Chemistry B, 2001, 105, 10630-10636.	1.2	86
537	Thiol-based Self-assembled Monolayers: Structure of. , 2001, , 9323-9331.		2
538	Thiol-based Self-assembled Monolayers: Formation and Organization. , 2001, , 9332-9344.		9
539	Self-Assembled 3-Mercaptopropyltrimethoxysilane (MPS) ON Ba0.5Sr0.5TiO3 as an Adhesion Layer for Microwave Devices. Materials Research Society Symposia Proceedings, 2001, 666, 911.	0.1	0
540	NANOPARTICLE THIN FILMS: AN APPROACH BASED ON SELF-ASSEMBLY. , 2001, , 87-123.		3
541	Meniscus Force Nanografting:  Nanoscopic Patterning of DNA. Langmuir, 2001, 17, 5971-5977.	1.6	52
544	Applications of self-assembled monolayers in materials chemistry. Journal of Chemical Sciences, 2001, 113, 659-670.	0.7	47
545	Comparison of monolayer films of stearic acid and methyl stearate on an Al2O3 surface. Thin Solid Films, 2001, 397, 102-108.	0.8	34
546	Highly fluorinated molecular organised systems: strategy and concept. Journal of Fluorine Chemistry, 2001, 107, 363-374.	0.9	59
547	Supramolecular inclusion complexes between a coumarin dye and $\hat{l}^2$ -cyclodextrin, and attachment kinetics of thiolated $\hat{l}^2$ -cyclodextrin to gold surface. Journal of Molecular Structure, 2001, 598, 49-56.	1.8	24
548	Reduction of sulfur with borohydride exchange resin in methanol: application to rapid and selective synthesis of disulfides. Tetrahedron Letters, 2001, 42, 6741-6743.	0.7	37
549	DNA nanobiostructures. Materials Today, 2001, 4, 30-39.	8.3	6
550	The study of adsorption state on HCl etched stainless steel by FT-SERS. Vibrational Spectroscopy, 2001, 26, 227-231.	1.2	0
551	Interfacial study of benzenesulfinate chemisorbed on silver. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2001, 57, 27-34.	2.0	16
552	Long-term variation of capacitance of self-assembled alkanethiol films at polycrystalline Au electrode. Electrochemistry Communications, 2001, 3, 86-90.	2.3	7
553	Cyclic voltammetric studies with gold wire electrodes covered with lipoyl $\hat{l}^3$ -cyclodextrins: positional isomerism effect of the modified cyclodextrins on monolayer quality and electrochemical responses on soluble probes. Materials Science and Engineering C, 2001, 17, 143-148.	3.8	6
554	Fabrication of surface-confined ferrocene-appended cyclodextrins on gold electrode. Materials Science and Engineering C, 2001, 17, 149-154.	3.8	11

#	Article	IF	CITATIONS
555	Evaluation of amine- and amide-terminated self-assembled monolayers as ?Molecular glues? for Au and SiO2 substrates. Surface and Interface Analysis, 2001, 31, 809-814.	0.8	57
556	Enhancing effect of chemically reduced gold on surface Raman scattering for organic sulfides chemisorbed on iron. Journal of Raman Spectroscopy, 2001, 32, 881-884.	1.2	8
557	Surface characterization and platelet adhesion studies of self-assembled monolayer with phosphonate ester and phosphonic acid functionalities. Journal of Biomedical Materials Research Part B, 2001, 55, 554-565.	3.0	43
558	Invited Review: DNA-mediated artificial nanobiostructures: state of the art and future directions. Superlattices and Microstructures, 2001, 29, 1-16.	1.4	80
559	Comparative Behavior of Aromatic Disulfide and Diselenide Monolayers on Polycrystalline Gold Films Using Cyclic Voltammetry, STM, and Quartz Crystal Microbalance. Journal of Colloid and Interface Science, 2001, 234, 410-417.	5.0	23
560	Preconditioning Gold Substrates Influences Organothiol Self-assembled Monolayer (SAM) Formation. Journal of Colloid and Interface Science, 2001, 238, 259-266.	5.0	25
562	A New Method toward Microengineered Surfaces Based on Reactive Coating. Angewandte Chemie - International Edition, 2001, 40, 3166-3169.	7.2	89
563	Hapten-Functionalized DNA-Streptavidin Nanocircles as Supramolecular Reagents in a Competitive Immuno-PCR Assay. Angewandte Chemie - International Edition, 2001, 40, 3169-3172.	7.2	38
564	Capacitive Biosensors. Electroanalysis, 2001, 13, 173-180.	1.5	415
565	Investigation of the model compounds at 4-aminobenzoic acid modified glassy carbon electrode by scanning electrochemical microscopy. Journal of Electroanalytical Chemistry, 2001, 508, 123-128.	1.9	13
566	Effect of bulk structure of some non-aqueous solvents on the barrier properties of alkanethiol monolayer. Journal of Electroanalytical Chemistry, 2001, 516, 31-38.	1.9	24
567	Electrochemical and in Situ FTIR Spectroscopic Investigation on the Electrochemical Transformation of 4-Aminothiophenol on a Gold Electrode in Neutral Solution. Langmuir, 2001, 17, 7378-7386.	1.6	58
568	Title is missing!. Journal of Applied Electrochemistry, 2001, 31, 921-924.	1.5	7
569	Fullerene modified supported lipid membrane as sensitive element of sensor for odorants. Biosensors and Bioelectronics, 2001, 16, 911-915.	5.3	40
571	DNA monolayer on gold substrates characterized by nanoparticle labeling and scanning force microscopy. Nucleic Acids Research, 2001, 29, 81e-81.	6.5	97
572	Growth of Self-Assembled Monolayer of Thiophene on Gold Surface: An Infrared Spectroscopic Study. Japanese Journal of Applied Physics, 2001, 40, 6945-6950.	0.8	46
573	MOLECULAR SELF-ASSEMBLY OF SULFONATED POLYANILINE THIN FILMS. Surface Review and Letters, 2001, 08, 491-496.	0.5	1
574	Modulating the Redox Property of a Flavin Analog Through Adjustment of Its Microenvironment in a Self-Assembled Monolayer. Antioxidants and Redox Signaling, 2001, 3, 731-736.	2.5	2

#	Article	IF	Citations
575	Control and placement of molecules via self-assembly. Nanotechnology, 2001, 12, 231-237.	1.3	78
576	The effect of chain density on the frictional behavior of surfaces modified with alkylsiloxanes and immersed in n-alcohols. Journal of Chemical Physics, 2001, 114, 2802-2811.	1.2	31
577	Thiol Diffusion and the Role of Humidity in "Dip Pen Nanolithography― Physical Review Letters, 2002, 88, 156104.	2.9	178
578	Surface Characterization of Cholesterol Monohydrate Single Crystals by Chemical Force Microscopy. Langmuir, 2002, 18, 4847-4853.	1.6	53
579	Metal ion recognition and molecular templating in self-assembled monolayers of cyclic and acyclic polyethers. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 5040-5047.	3.3	56
580	Voltammetry of Surface Redox Processes Perturbed by Dimerization and Adsorption of the Products. Journal of the Electrochemical Society, 2002, 149, E45.	1.3	7
581	Exploiting intermolecular interactions and self-assembly for ultrahigh resolution nanolithography. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2002, 20, 2739.	1.6	35
582	Chemical Modification of Surfaces. , 2002, , 209-238.		0
583	Organic Materials Science. MRS Bulletin, 2002, 27, 56-65.	1.7	17
584	Novel Functions on Electrode Surfaces Modified by Self-Assembled. Review of Polarography, 2002, 48, 191-198.	0.0	0
585	Fabrication of Self-assembled Polymer Particle Monolayers on Gold Substrates. Chemistry Letters, 2002, 31, 1180-1181.	0.7	3
586	Chemically Mediated Grain Growth in Nanotextured Au, Au/Cu Thin Films:  Novel Substrates for the Formation of Self-Assembled Monolayers. Langmuir, 2002, 18, 5529-5538.	1.6	44
587	Cationic and Nonionic Surfactant Adsorption on Thiol Surfaces with Controlled Wettability. Langmuir, 2002, 18, 6802-6806.	1.6	16
588	Direct Visualization of the Hydrolysis Kinetics of Titanium(IV) Alkoxides on Functionalized Gold Surfaces. Journal of Physical Chemistry B, 2002, 106, 3538-3542.	1.2	23
589	Functionalized Surfaces of Mixed Alkanethiols on Gold as a Platform for Oligonucleotide Microarrays. Langmuir, 2002, 18, 7016-7023.	1.6	82
590	Preparation of Anthryl Group-Tagged Helical Poly( $\hat{I}^3$ -benzyll-glutamate) Self-Assembled Film on Gold Surface and Its Interaction with DNA. Macromolecules, 2002, 35, 2769-2775.	2.2	14
591	Alkyl Chain Dynamics in Monolayer-Protected Clusters (MPCs):Â A Quasielastic Neutron-Scattering Investigation. Journal of Physical Chemistry B, 2002, 106, 3960-3967.	1.2	27
592	Characterizing Metal Phosphonate Surface Coverage Using Surface Second Harmonic Generation. Evidence for the Coexistence of Ordered and Disordered Domains. Langmuir, 2002, 18, 6246-6253.	1.6	7

#	Article	IF	Citations
593	XAS and XPS Characterization of Monolayers Derived from a Dithiol and Structurally Related Disulfide-Containing Polyamides. Langmuir, 2002, 18, 8123-8128.	1.6	47
594	Formation and Electrochemical Property of Pyrrole-Terminated SAMs and the Effect of the SAMs on the Physicochemical Properties of Polypyrrole Films Electrochemically Deposited over Them. Langmuir, 2002, 18, 7473-7481.	1.6	22
595	Chemical and Potential-Assisted Assembly of Thiolacetyl-Terminated Oligo(phenylene ethynylene)s on Gold Surfaces. Chemistry of Materials, 2002, 14, 2905-2909.	3.2	111
596	Chain Length Effects for Cluster Ion Formation during High Energy Ion/Surface Collisions with Self-Assembled Monolayer Surfaces. Journal of Physical Chemistry B, 2002, 106, 10382-10387.	1.2	14
597	Molecular Transport from an Atomic Force Microscope Tip:Â A Comparative Study of Dip-Pen Nanolithography. Langmuir, 2002, 18, 4041-4046.	1.6	98
598	Scanning Tunneling Microscopy and Spectroscopy of UHV-Deposited Dodecanethiolate Films on InP(110) Surfaces at Consecutive Doses:  A Single Domain System. Langmuir, 2002, 18, 5392-5399.	1.6	15
599	Monitoring the Interfacial Capacitance at Self-Assembled Phosphate Monolayers on Gold Electrodes upon Interaction with Calcium and Magnesium. Analytical Chemistry, 2002, 74, 1979-1985.	3.2	17
600	Preparation of Dendritic Multisulfides and Their Assembly on Air/Water Interfaces and Gold Surfaces. Langmuir, 2002, 18, 674-682.	1.6	32
601	Functionalized Poly(ethylene glycol)-Grafted Polysiloxane Monolayers for Control of Protein Binding. Langmuir, 2002, 18, 3255-3262.	1.6	67
602	Self-Assembled Monolayers of Eicosanethiol on Palladium and Their Use in Microcontact Printing. Langmuir, 2002, 18, 2406-2412.	1.6	79
603	High-Resolution TOF-SIMS Study of Varying Chain Length Self-Assembled Monolayer Surfaces. Analytical Chemistry, 2002, 74, 5009-5016.	3.2	34
604	Defect-Tolerant and Directional Wet-Etch Systems for Using Monolayers as Resists. Langmuir, 2002, 18, 2374-2377.	1.6	84
605	Photoisomerization Reaction of Unsymmetrical Azobenzene Disulfide Self-Assembled Monolayers Studied by Surface Plasmon Spectroscopy:Â Influences of Side Chain Length and Contacting Medium. Langmuir, 2002, 18, 5239-5246.	1.6	81
606	Steady-State Fluorescence-Based Investigation of the Interaction between Protected Thiols and Gold Nanoparticles. Langmuir, 2002, 18, 2413-2420.	1.6	52
607	The Cluster Glycoside Effect. Chemical Reviews, 2002, 102, 555-578.	23.0	1,437
608	DIFFERENTIAL PULSE ADSORPTIVE STRIPPING VOLTAMMETRY DETERMINATION OF EPINEPHRINE WITH β-MERCAPTOETHANOL SELF-ASSEMBLED MONOLAYERS MODIFIED ELECTRODE. Analytical Letters, 2002, 35, 995-1006.	1.0	11
609	Thermal Stability of Self-Assembled Monolayers: Â Influence of Lateral Hydrogen Bonding. Journal of Physical Chemistry B, 2002, 106, 10401-10409.	1.2	84
610	Formation of Alkylsilane-Based Monolayers on Gold. Journal of the American Chemical Society, 2002, 124, 6800-6801.	6.6	46

#	Article	IF	CITATIONS
611	Xanthate Capping of Silver, Copper, and Gold Colloids. Langmuir, 2002, 18, 3364-3369.	1.6	84
612	Adsorption and Thermal Decomposition of Alkanethiols on Cu(110). Journal of Physical Chemistry B, 2002, 106, 5438-5446.	1.2	51
613	Structure, behavior, and manipulation of nanoscale biological assemblies., 2002,, 749-822.		0
614	Surface Functionalization of Alkyl Monolayers by Free-Radical Activation:Â Gas-Phase Photochlorination with Cl2. Langmuir, 2002, 18, 6217-6221.	1.6	40
615	A density functional theory study of the adsorption of sulfur, mercapto, and methylthiolate on Au(111). Journal of Chemical Physics, 2002, 116, 784-790.	1.2	253
616	Strategies for Covalent Multilayer Growth. 2. Interlayer Linking Chemistry. Chemistry of Materials, 2002, 14, 2574-2581.	3.2	25
617	The first direct comparison of self-assembly and Langmuir–Blodgett deposition techniques: Two routes to highly organized monolayers. Physical Chemistry Chemical Physics, 2002, 4, 3436-3442.	1.3	18
618	Computation with DNA on surfaces. Surface Science, 2002, 500, 699-721.	0.8	13
619	Biomedical surface science: Foundations to frontiers. Surface Science, 2002, 500, 28-60.	0.8	1,205
620	The Fate of Sulfur-Bound Hydrogen on Formation of Self-Assembled Thiol Monolayers on Gold:Â1H NMR Spectroscopic Evidence from Solutions of Gold Clusters. Journal of the American Chemical Society, 2002, 124, 1132-1133.	6.6	190
621	Self-Assembled Monolayers on Gold of Ferrocene-Terminated Thiols and Hydroxyalkanethiols. Langmuir, 2002, 18, 1288-1293.	1.6	76
622	Kinetic energy distributions of molecular and cluster ions sputtered from self-assembled monolayers of octanethiol on gold. Nuclear Instruments & Methods in Physics Research B, 2002, 193, 755-761.	0.6	10
623	Gold Nanoparticle/Polyphenylene Dendrimer Composite Films: Preparation and Vapor-Sensing Properties. Advanced Materials, 2002, 14, 238-242.	11.1	180
624	Surface morphology of adsorbed sulfur-functionalized polystyrene thin film on gold on the basis of atomic force microscopic observation. Journal of Applied Polymer Science, 2002, 86, 1248-1252.	1.3	2
625	Substrate Monolayers as Electrochemical Sensing Elements for α-Chymotrypsin. Journal of Colloid and Interface Science, 2002, 250, 134-141.	5.0	15
626	Laterally attached liquid-crystalline polymers as stationary phases. Effect of temperature in RP HPLC and comparison with a commercial C18 stationary phase. Chromatographia, 2002, 56, 9-17.	0.7	16
627	Adsorption behaviors of methyl orange to alternate polyion films as studied by in-situ absorption and second harmonic generation measurements. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2002, 198-200, 467-472.	2.3	6
628	Some recent advances in nanostructure preparation from gold and silver particles: a short topical review. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2002, 202, 175-186.	2.3	570

#	ARTICLE	IF	CITATIONS
629	Critical thermal variation of displacement of alkanethiols in self-assembled films. Electrochemistry Communications, 2002, 4, 521-526.	2.3	8
630	Electrochemical studies of blocking properties of solid supported tethered lipid membranes on gold. Bioelectrochemistry, 2002, 56, 179-184.	2.4	19
631	Temperature-variation of capacitance of alkanethiol monolayer films. Electrochimica Acta, 2002, 47, 2407-2411.	2.6	8
632	Voltammetric characterization of the self-assembled monolayer (SAM) of octabutylthiophthalocyaninatoiron(II): a potential electrochemical sensor. Electrochimica Acta, 2002, 47, 4035-4043.	2.6	80
633	Cell membrane hybrid bilayers containing the G-protein-coupled receptor CCR5. Analytical Biochemistry, 2002, 307, 117-130.	1.1	31
634	Electrooxidative coupling of a toluidine blue O terminated self-assembled monolayer studied by electrochemistry and surface enhanced Raman spectroscopy. Journal of Electroanalytical Chemistry, 2002, 518, 123-130.	1.9	23
635	Self-Assembled Monolayers of Dodecyl and Hydroxy-dodecyl Phosphates on Both Smooth and Rough Titanium and Titanium Oxide Surfaces. Langmuir, 2002, 18, 3537-3548.	1.6	197
636	Trialkylphosphine oxide/amine stabilised silver nanocrystalsâ€"the importance of steric factors and Lewis basicity in capping agents. Journal of Materials Chemistry, 2002, 12, 2671-2674.	6.7	45
637	Sulfurâ^'Gold Orbital Interactions which Determine the Structure of Alkanethiolate/Au(111) Self-Assembled Monolayer Systems. Journal of Physical Chemistry B, 2002, 106, 12727-12736.	1.2	135
638	Electron Transport Through Composite Monolayers. Russian Journal of Electrochemistry, 2002, 38, 29-38.	0.3	11
639	Self-Assembled Monolayers of ï‰-(3-Thienyl)alkanethiols on Gold. Langmuir, 2003, 19, 5303-5310.	1.6	31
640	Cruciform π-Systems for Molecular Electronics Applications. Journal of the American Chemical Society, 2003, 125, 6030-6031.	6.6	114
641	Hydrophobicity-induced drying transition in alkanethiol self-assembled monolayerâ€"water interface. Pramana - Journal of Physics, 2003, 61, 361-371.	0.9	27
642	The use of gold bands for flow immunoelectrochemical devices. Analytical and Bioanalytical Chemistry, 2003, 377, 267-272.	1.9	5
643	A Novel Example of X-Ray-Radiation-Induced Chemical Reduction of an Aromatic Nitro-Group-Containing Thin Film on SiO2 to an Aromatic Amine Film. ChemPhysChem, 2003, 4, 884-889.	1.0	82
644	Laccase Biosensor on Monolayer-Modified Gold Electrode. Electroanalysis, 2003, 15, 1577-1583.	1.5	62
645	Self-Assembled Monolayer of L-Cysteine on a Gold Electrode as a Support for Fatty Acid. Application to the Electroanalytical Determination of Unsaturated Fatty Acid. Electroanalysis, 2003, 15, 1625-1631.	1.5	13
646	Studies on Self-Assembled Alkanethiol Monolayers Formed at Applied Potential on Polycrystalline Gold Electrodes. Electroanalysis, 2003, 15, 557-565.	1.5	85

#	Article	IF	CITATIONS
647	Electrochemical Behavior of Diphenyl Disulfide and Thiophenol on Glassy Carbon and Gold Electrodes in Aprotic Media. Electroanalysis, 2003, 15, 1192-1197.	1.5	33
648	Thiol-mediated degradation of DNA adsorbed on a colloidal gold surface. Journal of Chemical Technology and Biotechnology, 2003, 78, 471-473.	1.6	3
649	Preparation of Metallic Films on Elastomeric Stamps and Their Application for Contact Processing and Contact Printing. Advanced Functional Materials, 2003, 13, 145-153.	7.8	141
650	Engineering DNA-electrode connectivities: manipulation of linker length and structure. Analytica Chimica Acta, 2003, 496, 81-91.	2.6	24
651	Xanthates and related compounds as versatile agents in colloid science. Comptes Rendus Chimie, 2003, 6, 1035-1045.	0.2	31
652	Investigations on the monolayer structure of thiol SAMs and the influence of conjugated π-bonds on the electronic molecular conductivity. Electrochimica Acta, 2003, 49, 167-174.	2.6	16
653	Adsorption of mercaptopropionic acid onto Au(1 1 1). Electrochimica Acta, 2003, 49, 175-182.	2.6	45
654	Ab initio calculations of equilibrium geometries and vibrational excitations of helical ethylene-glycol oligomers: application to modeling of monolayer infrared spectra. Chemical Physics Letters, 2003, 370, 451-459.	1.2	27
655	Supramolecular surface layer: coumarin/thiolated cyclodextrin/gold. Chemical Physics Letters, 2003, 371, 483-489.	1.2	18
656	Formation and electrochemical behavior of self-assembled multilayers involving quinone. Electrochimica Acta, 2003, 48, 3499-3508.	2.6	6
657	The dual role of self-assembled monolayers of a tetraazamacrocyclic copper(II) complex in ascorbate oxidation catalysis. Inorganica Chimica Acta, 2003, 348, 129-134.	1.2	11
658	Alkylthiol gold nanoparticles in open-tubular capillary electrochromatography. Journal of Chromatography A, 2003, 1004, 181-193.	1.8	72
659	Preparation and electrochemistry of azobenzene self-assembled monolayers on gold—long range tunneling and end-group hydrogen bonding effect. Journal of Colloid and Interface Science, 2003, 261, 82-87.	5.0	22
660	Phase transfer of silver nanoparticles from aqueous to organic solutions using fatty amine molecules. Journal of Colloid and Interface Science, 2003, 264, 396-401.	5.0	156
661	lon-gating phenomena of self-assembling glutathione films on gold piezoelectrodes. Journal of Electroanalytical Chemistry, 2003, 552, 291-305.	1.9	47
662	Adsorption of mercaptopropionic acid onto Au $(1\ 1\ 1)$ . Electrochimica Acta, 2003, 49, 183-189.	2.6	25
663	Stilbenecarboxylate biosynthesis: a new function in the family of chalcone synthase-related proteins. Phytochemistry, 2003, 62, 271-286.	1.4	70
664	Pendant thiol groups-attached Pd(II) for initiating metal deposition. Applied Surface Science, 2003, 211, 184-188.	3.1	19

#	ARTICLE	IF	CITATIONS
665	Electrostatic interactions observed when imaging proteins with the atomic force microscope. Ultramicroscopy, 2003, 96, 37-46.	0.8	20
666	Vibrational spectroscopic studies of mesna and dimesna. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2003, 59, 1791-1798.	2.0	14
667	Organized assemblies of magnetic clusters. Comptes Rendus Chimie, 2003, 6, 683-688.	0.2	16
668	Rapid electrochemical genosensor assay using a streptavidin carbon-polymer biocomposite electrode. Biosensors and Bioelectronics, 2003, 19, 165-175.	5.3	49
669	Graphite-epoxy composites as a new transducing material for electrochemical genosensing. Biosensors and Bioelectronics, 2003, 19, 473-484.	5.3	59
670	Chemisorbed poly(propylene sulphide)-based copolymers resist biomolecular interactions. Nature Materials, 2003, 2, 259-264.	13.3	214
671	Î <sup>2</sup> -Cyclodextrin-Based Ferrocene-Imprinted Gold Electrodes. Analytical Chemistry, 2003, 75, 5687-5691.	3.2	29
672	Synthesis and Characterization of Conjugated Mono- and Dithiol Oligomers and Characterization of Their Self-Assembled Monolayers. Langmuir, 2003, 19, 4272-4284.	1.6	132
673	Magnetism induced by the organization of self-assembled monolayers. Journal of Chemical Physics, 2003, 118, 10372-10375.	1.2	153
674	Coverage Effects and the Nature of the Metalâ-'Sulfur Bond in S/Au(111):Â High-Resolution Photoemission and Density-Functional Studies. Journal of the American Chemical Society, 2003, 125, 276-285.	6.6	179
675	New electronic and magnetic properties of monolayers of thiols on gold. Israel Journal of Chemistry, 2003, 43, 399-405.	1.0	11
676	Decanethiols on Gold:Â The Structure of Self-Assembled Monolayers Unraveled with Computer Simulations. Langmuir, 2003, 19, 3567-3571.	1.6	83
677	Boundary Friction of Aromatic Self-Assembled Monolayers: Comparison of Systems with One or Both Sliding Surfaces Covered with a Thiol Monolayer. Langmuir, 2003, 19, 6788-6795.	1.6	44
678	Molecular Recognition at Model Organic Interfaces:  Electrochemical Discrimination Using Self-Assembled Monolayers (SAMs) Modified via the Fusion of Phospholipid Vesicles. Langmuir, 2003, 19, 9781-9791.	1.6	46
679	Preparation, Characterization, and Heck Reaction of Multidentate Thiolate Films on Gold Surfaces. Langmuir, 2003, 19, 6862-6868.	1.6	42
680	Adsorption Characteristics of 1,4-Phenylene Diisocyanide on Gold Nanoparticles:Â Infrared and Raman Spectroscopy Study. Langmuir, 2003, 19, 6701-6710.	1.6	75
681	Formation and Structure of Self-Assembled Monolayers of Alkanethiolates on Palladium. Journal of the American Chemical Society, 2003, 125, 2597-2609.	6.6	306
682	Immobilization of Histidine-Tagged Proteins on Nickel by Electrochemical Dip Pen Nanolithography. Journal of the American Chemical Society, 2003, 125, 7408-7412.	6.6	140

#	ARTICLE	IF	Citations
683	Structure and Wettability of Methoxy-Terminated Self-Assembled Monolayers on Gold. Langmuir, 2003, 19, 10217-10224.	1.6	27
684	Preparation of Self-Assembled Monolayers Containing Anthryl Groups toward Hybridization of Nucleotides. Langmuir, 2003, 19, 5823-5829.	1.6	9
685	Rigid Molecular Model for the Assembly Characteristics and Optimal Structure in Molecular Monolayers of Alkanethiols on Au(111)â€. Langmuir, 2003, 19, 1474-1485.	1.6	12
686	Electrochemical Investigations of M-DNA Self-Assembled Monolayers on Gold Electrodes. Journal of Physical Chemistry B, 2003, 107, 2291-2296.	1.2	54
687	Electrochemical Self-Assembly of Monolayers from Alkylthiosulfates on Gold. Langmuir, 2003, 19, 5246-5253.	1.6	30
688	n-Alkyl Fatty Acid-Modified Microgels:Â Ion Permeation as a Function of Chain Length. Langmuir, 2003, 19, 910-915.	1.6	13
689	Selective Noncovalent Adsorption of Protein to Bifunctional Metallic Nanowire Surfaces. Langmuir, 2003, 19, 9580-9582.	1.6	58
690	Dielectrically Addressable Microspheres Engineered Using Self-Assembled Monolayers. Langmuir, 2003, 19, 2425-2433.	1.6	15
691	Coexistence of Different Structural Phases in Thioaromatic Monolayers on Au(111). Langmuir, 2003, 19, 4958-4968.	1.6	120
692	In Situ Characterization of Self-Assembled Butanethiol Monolayers on Au(100) Electrodes. Langmuir, 2003, 19, 830-834.	1.6	61
693	Self-Assembly of Alkanethiol Molecules onto Platinum and Platinum Oxide Surfaces. Langmuir, 2003, 19, 6744-6749.	1.6	117
694	Preparation of a Branched DNA Self-Assembled Monolayer toward Sensitive DNA Biosensors. Nano Letters, 2003, 3, 1083-1086.	4.5	40
695	Metal nanoparticles as labels for heterogeneous, chip-based DNA detection. Nanotechnology, 2003, 14, R63-R73.	1.3	260
696	Electrochemiluminescence enzyme immunoassay for TNT. Analyst, The, 2003, 128, 480-485.	1.7	27
697	Structure of Dithiothreitol Monolayers on Au(111). Journal of Physical Chemistry B, 2003, 107, 9789-9792.	1.2	32
698	Molecular modelling of self-assembled alkynyl monolayer structures — Unnatural symmetry units, surface bonding, and topochemical polymerization1. Canadian Journal of Chemistry, 2003, 81, 1228-1240.	0.6	2
699	Attachment of DNA probes on gallium arsenide surface. Applied Physics Letters, 2003, 83, 192-194.	1.5	23
700	Materials in nanotechnology: New structures, new properties, new complexity. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2003, 21, S194-S206.	0.9	15

#	Article	IF	CITATIONS
701	Chain-length-dependent change in the structure of self-assembled monolayers ofn-alkanethiols on Au(111) probed by broad-bandwidth sum frequency generation spectroscopy. Journal of Chemical Physics, 2003, 118, 1904-1911.	1.2	114
702	ANALYSIS OF THE STRUCTURE AND MORPHOLOGY OF OLIGOPEPTIDE SAM USING XPS AND AFM. Molecular Crystals and Liquid Crystals, 2003, 407, 135-140.	0.4	0
703	Current understanding of the structure, phase transitions and dynamics of self-assembled monolayers on two- and three-dimensional surfaces. International Reviews in Physical Chemistry, 2003, 22, 221-262.	0.9	69
704	Controlled positioning of a DNA molecule in an electrode setup based on self-assembly and microstructuring. Nanotechnology, 2003, 14, 546-550.	1.3	29
705	Field emission characteristics of self-assembled carbon nanotubes on the gold surface. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2003, 21, 358.	1.6	6
706	Fluorescence Probing of Self-Assembled Monolayer with Terphenyl-Derivatized Disulfides. Japanese Journal of Applied Physics, 2003, 42, 7067-7070.	0.8	1
707	Protein Microarray Surface Chemistry and Coupling Schemes. , 0, , 11-38.		1
709	Systems Aspects of Supported Membrane Biosensors. Membrane Science and Technology, 2003, 7, 735-765.	0.5	1
710	Magnetic Composite Nanoparticle of Au/ $\hat{l}^3$ -Fe2O3Synthesized by Gamma-Ray Irradiation. Chemistry Letters, 2003, 32, 690-691.	0.7	43
711	Self-assembled Monolayers of Spironaphthoxazine–Thioether for UV-controlled Complexation. Chemistry Letters, 2003, 32, 1094-1095.	0.7	5
712	Investigation of polyelectrolyte desorption by single molecule force spectroscopy. Journal of Physics Condensed Matter, 2004, 16, S2369-S2382.	0.7	30
713	Determining the Self-Assembling and Redox Process of a Viologen Monolayer by Electrochemical Quartz Crystal Microbalance. Japanese Journal of Applied Physics, 2004, 43, 2376-2380.	0.8	18
714	Self-assembled rigid conjugated polymer nanojunction and its nonlinear current–voltage characteristics at room temperature. Applied Physics Letters, 2004, 85, 115-117.	1.5	37
715	Improving Neuron-to-Electrode Surface Attachment via Alkanethiol Self-Assembly:Â An Alternating Current Impedance Study. Langmuir, 2004, 20, 7189-7200.	1.6	49
716	Atomic Force Microscopy of Self-Assembled Nanostructures of TPPS < sub>4 < /sub> on SAM Substrates. Solid State Phenomena, 2004, 97-98, 195-200.	0.3	9
717	Electrical and Spectroscopic Characterization of Molecular Junctions. MRS Bulletin, 2004, 29, 396-402.	1.7	23
718	A Molecular Photodiode System That Can Switch Photocurrent Direction. Science, 2004, 304, 1944-1947.	6.0	303
719	Nanocrystal Self-Assembly. , 2004, , 77-117.		0

#	Article	IF	CITATIONS
720	Electrochemical Patterning of Copper Using Microcontact Printing. Journal of the Electrochemical Society, 2004, 151, C455.	1.3	4
722	$\hat{l}^3$ -ray synthesis of composite nanoparticles of noble metals and magnetic iron oxides. Scripta Materialia, 2004, 51, 467-472.	2.6	53
723	Towards individual molecules as electronic components. IET Circuits, Devices and Systems, 2004, 151, 452.	0.6	4
724	BioMEMS: state-of-the-art in detection, opportunities and prospects. Advanced Drug Delivery Reviews, 2004, 56, 1565-1586.	6.6	403
725	Functionalization of Electrode Surfaces with Monolayers of Azocompounds and Gold Clusters. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2004, 49, 173-179.	1.6	6
726	Don't forget Langmuir–Blodgett films. Chemical Communications, 2004, , 2787-2791.	2.2	74
727	KCTCCA, a peptide-based facilitator for bioelectrochemistry. Journal of Biosciences, 2004, 29, 163-167.	0.5	0
728	Phase transfer of platinum nanoparticles from aqueous to organic solutions using fatty amine molecules. Journal of Chemical Sciences, 2004, 116, 293-300.	0.7	34
729	Comparison of the structure and stability of monolayers prepared with 12-phenyldodecyl mercaptan and 11-phenoxyundecyl mercaptan. Journal of Colloid and Interface Science, 2004, 274, 365-370.	5.0	8
730	Hydrophobic, organically dispersible gold nanoparticles of variable shape produced by the spontaneous reduction of aqueous chloroaurate ions by hexadecylaniline molecules. Journal of Colloid and Interface Science, 2004, 279, 124-131.	5.0	27
731	Carbon and gold electrodes as electrochemical transducers for DNA hybridisation sensors. Biosensors and Bioelectronics, 2004, 19, 515-530.	<b>5.</b> 3	368
732	Assembling Dimeric π Stacks on Gold Surfaces by Using Three-Dimensional Lock-and-Key Receptors. Angewandte Chemie - International Edition, 2004, 43, 1836-1839.	7.2	9
733	"Non-Fouling―Oligo(ethylene glycol)- Functionalized Polymer Brushes Synthesized by Surface-Initiated Atom Transfer Radical Polymerization. Advanced Materials, 2004, 16, 338-341.	11.1	654
735	Catalytic Au Electrodes Based on SAMs ofper(6-deoxy-6-thio-2,3-di-O-methyl)- $\hat{l}^2$ -cyclodextrin. Electroanalysis, 2004, 16, 1407-1412.	1.5	10
736	An Investigation into Outer-Surface Biofouling and Electrode Passivation Effects on Gold Electrodes Modified with Calix[4]resorcinarenetetrathiol and a PEG Derivative on Exposure to Whole Human Blood. Electroanalysis, 2004, 16, 275-281.	1.5	8
737	Bioelectrocatalysis of Oxygen Reduction Reaction by Laccase on Gold Electrodes. Electroanalysis, 2004, 16, 1182-1185.	1.5	86
738	Polymer Functionalized AFM tips for Long-Term Measurements in Single-Molecule Force Spectroscopy. ChemPhysChem, 2004, 5, 388-393.	1.0	53
739	Temperature-Induced Composition Changes in a Critical Polymer Blend. ChemPhysChem, 2004, 5, 393-395.	1.0	7

#	Article	IF	CITATIONS
740	Inflammatory responses and cell adhesion to self-assembled monolayers of alkanethiolates on gold. Biomaterials, 2004, 25, 2557-2563.	5.7	61
741	Exploiting electron spectroscopies to probe the structure and organization of self-assembled monolayers: a review. Journal of Electron Spectroscopy and Related Phenomena, 2004, 134, 97-138.	0.8	187
742	Inverted chemical force microscopy: following interfacial reactions on the nanometer scale. European Polymer Journal, 2004, 40, 939-947.	2.6	7
743	Fabrication of highly oriented microstructures and nanostructures of ferroelectric P(VDF-TrFE) copolymer via dip-pen nanolithography. Superlattices and Microstructures, 2004, 36, 21-29.	1.4	9
744	Synthesis of triarylphosphines having para –SH and –SMe groups. Journal of Organometallic Chemistry, 2004, 689, 3621-3630.	0.8	1
745	Catalytic properties of 4-hydroxythiophenol protected gold nanoclusters supported on gold electrodes. Journal of Electroanalytical Chemistry, 2004, 564, 93-98.	1.9	16
746	Electrochemical and structure studies of ethanethiol self-assembled monolayers on Ag single crystal electrodes. Journal of Electroanalytical Chemistry, 2004, 564, 85-91.	1.9	14
747	Patterning self-assembled monolayers. Progress in Surface Science, 2004, 75, 1-68.	3.8	730
748	Synthesis and adsorption on gold surfaces of a functionalized thiol: elaboration and test of a new nitroaromatic gas sensor. Journal of Colloid and Interface Science, 2004, 272, 21-27.	5.0	23
749	Accumulation of phenyl boronic acid-carrying telomers on a gold surface. Journal of Colloid and Interface Science, 2004, 273, 106-114.	5.0	14
750	Determination of heavy metal ions in mixed solution by imprinted SAMs. Electrochimica Acta, 2004, 49, 4273-4280.	2.6	13
751	Electrochemical study of the XNA on Goldâ,,¢ microarray. Biosensors and Bioelectronics, 2004, 20, 211-216.	5.3	6
752	Small is different: energetic, structural, thermal, and mechanical properties of passivated nanocluster assemblies. Faraday Discussions, 2004, 125, 1.	1.6	239
753	Electrochemically Induced Morphology and Volume Changes in Surface-Grafted Poly(ferrocenyldimethylsilane) Monolayers. Langmuir, 2004, 20, 891-897.	1.6	49
754	Variation in morphology of gold nanoparticles synthesized by the spontaneous reduction of aqueous chloroaurate ions by alkylated tyrosine at a liquid–liquid and air–water interface. Journal of Materials Chemistry, 2004, 14, 2696.	6.7	35
755	Immobilization of molecular tubes on self-assembled monolayers of $\hat{l}^2$ -cyclodextrin and dodecanethiol inclusion complexes. Applied Physics Letters, 2004, 85, 3875-3877.	1.5	9
756	Self-Assembled Monolayers of Hexapeptides on Gold: Surface Characterization and Orientation Distribution Analysisâ€. Journal of Physical Chemistry A, 2004, 108, 9673-9681.	1.1	33
757	Improvement of Homogeneity of Analytical Biodevices by Gene Manipulation. Analytical Chemistry, 2004, 76, 632-638.	3.2	19

#	Article	IF	Citations
758	Comparison between CH3(CH2)15SH and CF3(CF2)3(CH2)11SH Monolayers on Electrodeposited Silver. Langmuir, 2004, 20, 3240-3245.	1.6	22
759	Stability of Aliphatic Dithiocarboxylic Acid Self-Assembled Monolayers on Gold. Journal of Physical Chemistry B, 2004, 108, 2648-2653.	1.2	34
760	Dynamic in Situ Characterization of Organic Monolayer Formation via a Novel Substrate-Mediated Mechanism. Langmuir, 2004, 20, 1258-1268.	1.6	13
761	Structures and Dynamics of Self-Assembled Surface Monolayers Observed by Ultrafast Electron Crystallography. Journal of the American Chemical Society, 2004, 126, 12797-12799.	6.6	27
762	Decomposition Processes of an Organic Monolayer Formed on Si(111) via a SiliconCarbon Bond Induced by Exposure to UV Irradiation or Ozone. Langmuir, 2004, 20, 1207-1212.	1.6	55
763	Grafting of Single, Stimuli-Responsive Poly(ferrocenylsilane) Polymer Chains to Gold Surfaces. Langmuir, 2004, 20, 6278-6287.	1.6	37
764	Effect of Environmental Conditions on Dip Pen Nanolithography of Mercaptohexadecanoic Acid. Journal of Physical Chemistry B, 2004, 108, 15206-15210.	1.2	58
765	Hydrogen-Bonding Networks of Dialkyl Disulfides Containing the Urea Moiety in Self-Assembled Monolayers. Langmuir, 2004, 20, 1674-1679.	1.6	15
766	A Setup for the Coupling of a Thin-Layer Electrochemical Flow Cell to Electrospray Mass Spectrometry. Analytical Chemistry, 2004, 76, 2017-2024.	3.2	41
767	X-ray Photoelectron Spectroscopy and Differential Capacitance Study of Thiol-Functional Polysiloxane Films on Gold Supports. Langmuir, 2004, 20, 9621-9627.	1.6	21
768	Structure and Reactivity of Mixed ï‰-Carboxyalkyl/Alkyl Monolayers on Silicon: ATR-FTIR Spectroscopy and Contact Angle Titration. Langmuir, 2004, 20, 4039-4050.	1.6	82
769	Electrochemical Characteristics of Ferrocenecarboxylate-Coupled Aminoundecylthiol Self-Assembled Monolayers. Langmuir, 2004, 20, 4147-4154.	1.6	51
770	Dynamics of Alkyl Chains in Monolayer-Protected Au and Ag Clusters and Silver Thiolates:Â A Comprehensive Quasielastic Neutron Scattering Investigation. Journal of Physical Chemistry B, 2004, 108, 7012-7020.	1.2	48
771	Sensing Capabilities of Colloidal Gold Modified with a Self-Assembled Monolayer of a Glucose-Carrying Polymer Chain on a Glass Substrateâ€. Langmuir, 2004, 20, 8897-8902.	1.6	50
772	Spontaneous Assembly of Organic Thiocyanates on Gold Sufaces. Alternative Precursors for Gold Thiolate Assemblies. Journal of the American Chemical Society, 2004, 126, 13172-13173.	6.6	105
773	Widely-Applicable Gold Substrate for the Study of Ultrathin Overlayers. Journal of the American Chemical Society, 2004, 126, 5569-5576.	6.6	60
774	Effects of I‰-Functional Groups on pH-Dependent Reductive Desorption of Alkanethiol Self-Assembled Monolayers. Langmuir, 2004, 20, 10123-10128.	1.6	47
775	The Dynamics of Noble Metal Atom Penetration through Methoxy-Terminated Alkanethiolate Monolayers. Journal of the American Chemical Society, 2004, 126, 3954-3963.	6.6	163

#	Article	IF	CITATIONS
776	An Investigation of the Mechanisms of Electronic Sensing of Protein Adsorption on Carbon Nanotube Devices. Journal of the American Chemical Society, 2004, 126, 1563-1568.	6.6	509
777	Surfactant Adsorption at Solidâ^'Aqueous Interfaces Containing Fixed Charges:  Experiments Revealing the Role of Surface Charge Density and Surface Charge Regulation. Journal of Physical Chemistry B, 2004, 108, 1667-1676.	1.2	65
778	Photoinduced decomposition of alkyl monolayers using 172 nm vacuum ultraviolet light. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2004, 22, 1615-1619.	0.9	7
779	Self-assembled monolayers: from Âsimple model systems to biofunctionalized interfaces. Journal of Physics Condensed Matter, 2004, 16, R881-R900.	0.7	323
780	Synthesis, Characterization, and Surface Immobilization of Platinum and Palladium Nanoparticles Encapsulated within Amine-Terminated Poly(amidoamine) Dendrimers. Langmuir, 2004, 20, 2915-2920.	1.6	159
781	Formation and characterization of protein patterns on the surfaces with different properties. Synthetic Metals, 2004, 147, 247-252.	2.1	20
782	Electrocatalytic sensor devices: (I) cyclopentadienylnickel(II) thiolato Schiff base monolayer self-assembled on gold*1. Talanta, 2004, 64, 30-38.	2.9	27
783	Resolution of Intermediate Adsorbate Structures in the Potential-Dependent Self-Assembly of n-Hexanethiolate on Silver by in situ Surface-Enhanced Raman Spectroscopy. Applied Spectroscopy, 2004, 58, 934-944.	1.2	7
784	Colloidal Gold: A Novel Nanoparticle Vector for Tumor Directed Drug Delivery. Drug Delivery, 2004, 11, 169-183.	2.5	1,080
785	Size-Selective Synthesis of Gold and Platinum Nanoparticles Using Novel Thiol-Functionalized Ionic Liquids. Langmuir, 2004, 20, 556-560.	1.6	343
786	Nanogravimetric study of templated copper deposition in ion-channels of self-assembled glutathione films on gold piezoelectrodes. Electrochimica Acta, 2004, 49, 3827-3840.	2.6	22
787	Controlled three-dimensional immobilization of biomolecules on chemically patterned surfaces. Journal of Biotechnology, 2004, 112, 97-107.	1.9	58
788	Patterned alignment of liquid crystals. , 2004, , .		0
789	Sonochemical Synthesis and Characterization of Magnetic Composite Nanoparticles. Journal of the Society of Powder Technology, Japan, 2004, 41, 440-444.	0.0	0
790	Formation of Heat Stable Circuit Pattern on Organopolysilane-Coated Films Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2004, 17, 411-416.	0.1	0
791	Synthesis and Film Formation of Poly(phenylene sulfide) Dendrimers and Dendrons. Polymer Journal, 2005, 37, 82-93.	1.3	8
792	Construction of PEGylated Gold Colloid-Assembled Surface for High Performance Biosensor. Kobunshi Ronbunshu, 2005, 62, 81-86.	0.2	1
793	Surface confined self-assembled fullerene nanoclusters: a microscopic study. Applied Surface Science, 2005, 245, 26-38.	3.1	26

#	Article	IF	Citations
794	Vibrational spectroscopic studies of (3-mercaptopropyl)trimethoxylsilane sol–gel and its coating. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2005, 61, 3032-3037.	2.0	48
795	Characterisation of gold electrodes modified with methyltrimethoxysilane and (3-mercaptopropyl) trimethoxysilane sol–gel processed films. Journal of Electroanalytical Chemistry, 2005, 578, 239-245.	1.9	21
796	Electron transfer studies through mixed self-assembled monolayers of thiophenol and thioctic acid. Journal of Electroanalytical Chemistry, 2005, 580, 122-127.	1.9	7
797	Electrochemical studies of 6-mercaptonicotinic acid monolayer on Au electrode. Journal of Electroanalytical Chemistry, 2005, 581, 61-69.	1.9	28
798	Chemisorption of thiolated poly(ethylene oxide) to gold: surface chain densities measured by ellipsometry and neutron reflectometry. Journal of Colloid and Interface Science, 2005, 281, 112-121.	5.0	95
799	Resistance of zwitterionic telomers accumulated on metal surfaces against nonspecific adsorption of proteins. Journal of Colloid and Interface Science, 2005, 282, 340-348.	5.0	89
800	Calorimetric study of the reactions of n-alkylphosphonic acids with metal oxide surfaces. Journal of Colloid and Interface Science, 2005, 286, 258-262.	5.0	15
801	New manganese complexes with 2-salicyloylhydrazono-1,3-dithiolane ligand and various coordination solvents. Inorganica Chimica Acta, 2005, 358, 3881-3888.	1.2	26
802	Sonochemical preparation of composite nanoparticles of Au/ $\hat{l}^3$ -Fe2O3 and magnetic separation of glutathione. Ultrasonics Sonochemistry, 2005, 12, 191-195.	3.8	37
803	Synthesis of a novel carboxy functionalized PyOX-ligand. Tetrahedron Letters, 2005, 46, 967-969.	0.7	9
804	New syntheses for 11-(mercaptoundecyl)triethylene glycol and mercaptododecyltriethyleneoxy biotin amide. Tetrahedron Letters, 2005, 46, 4813-4816.	0.7	16
805	Self-assembled monolayers of semifluorinated thiols on electrochemically modified polycrystalline nickel surfaces. Thin Solid Films, 2005, 491, 253-259.	0.8	28
806	Synthesis of polyanionic glycopolymers for the facile assembly of glycosyl arrays. Tetrahedron, 2005, 61, 5895-5905.	1.0	24
807	Electrical detection of biomolecular interactions with metal–insulator–semiconductor diodes. Biosensors and Bioelectronics, 2005, 20, 1580-1586.	5.3	34
808	Hybridization of oligonucleotide by using DNA self-assembled monolayer. Colloids and Surfaces B: Biointerfaces, 2005, 40, 149-152.	2.5	40
809	Design, synthesis and characterization of monomolecular interfacial layers. Bioelectrochemistry, 2005, 66, 9-21.	2.4	2
810	Polyethylene oxide surfaces of variable chain density by chemisorption of PEO-thiol on gold: Adsorption of proteins from plasma studied by radiolabelling and immunoblotting. Biomaterials, 2005, 26, 5927-5933.	5.7	142
811	A study of adsorption kinetics and thermodynamics of i‰-mercaptoalkylhydroquinone self-assembled monolayer on a gold electrode. Electrochimica Acta, 2005, 51, 579-587.	2.6	35

#	Article	IF	CITATIONS
812	Polyvalent Interactions of HIV-gp120 Protein and Nanostructures of Carbohydrate Ligands. Nanobiotechnology, 2005, 1, 201-210.	1.2	12
813	Self-Assembled Monolayers of Thiolates on Metals as a Form of Nanotechnology. Chemical Reviews, 2005, 105, 1103-1170.	23.0	7,419
814	Self-Assembled Monolayers of Chromophores on Gold Surfaces. , 0, , 257-313.		26
815	Scaled interfacial activity of proteins at a hydrophobic solid/aqueous-buffer interface. Journal of Biomedical Materials Research - Part A, 2005, 75A, 445-457.	2.1	31
816	Recent Advances in Electrochemical Enzyme Immunoassays. Electroanalysis, 2005, 17, 1901-1918.	1.5	101
817	Engineering Silicon Oxide Surfaces Using Self-Assembled Monolayers. Angewandte Chemie - International Edition, 2005, 44, 6282-6304.	7.2	655
819	Oxide Nanoparticles., 2005,, 94-112.		6
820	Parallel analysis of multiple surface markers expressed on rat neural stem cells using antibody microarrays. Biomaterials, 2005, 26, 4882-4891.	5.7	59
821	The effect of surface symmetry on the adsorption energetics of SCH3 on gold surfaces studied using Density Functional Theory. Surface Science, 2005, 580, 19-29.	0.8	36
822	Polymer-based bilayer interfaces for electrochemical rectification. Journal of Solid State Electrochemistry, 2005, 9, 595-600.	1.2	5
823	Mapping of defects in self-assembled monolayers by polymer decoration. Journal of Solid State Electrochemistry, 2005, 9, 512-519.	1.2	13
824	Influence of charged microenvironment on redox potential and diffusion coefficient of [Fe4S4(SPh)4](NBu4)2 in DMF and inside CTAB film on electrode surface. Journal of Chemical Sciences, 2005, 117, 657-661.	0.7	3
825	Characterization of trypsin immobilized on the functionable alkylthiolate self-assembled monolayers: A preliminary application for trypsin digestion chip on protein identification using matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Journal of Materials Science: Materials in Medicine, 2005, 16, 135-142.	1.7	9
826	Hybrid Microstructures from Aligned Carbon Nanotubes and Silica Particles. Small, 2005, 1, 823-826.	5.2	35
827	Organic and Macromolecular Films and Assemblies as (Bio)reactive Platforms: From Model Studies on Structure–Reactivity Relationships to Submicrometer Patterning. Advances in Polymer Science, 2005, , 169-208.	0.4	13
828	Surface modification of polymers to enhance biocompatibility. , 2005, , 719-744.		2
829	A Versatile Oneâ€Pot Synthesis of Dialkyl Disulfides and Sulfides. Synthetic Communications, 2005, 35, 631-638.	1.1	20
830	Molecular engineering of Surfaces Using Self-Assembled Monolayers. Science Progress, 2005, 88, 17-48.	1.0	108

#	Article	IF	CITATIONS
831	Electrical characterization of nanowire bridges incorporating biomolecular recognition elements. Nanotechnology, 2005, 16, 2846-2851.	1.3	19
832	Cell guidance through surface cues. , 2005, , 447-464.		1
833	Synthesis and characterization of photolabile aminoterpolymers for covalent attachment onto gold substrates. Designed Monomers and Polymers, 2005, 8, 629-644.	0.7	4
834	Structure of Mercaptobiphenyl Monolayers on Mercury. Journal of Physical Chemistry B, 2005, 109, 12534-12543.	1.2	19
835	Electronic Transport through Self-Assembled Monolayers. , 2005, , 43-64.		3
836	Self-Assembly and Nanostructured Materials. , 2005, , 217-239.		50
837	In vitro synthesis of uniform poly(dG)-poly(dC) by Klenow exo-fragment of polymerase I. Nucleic Acids Research, 2005, 33, 525-535.	6.5	52
838	Chip-based electrical detection of DNA. IET Nanobiotechnology, 2005, 152, 47.	2.1	30
839	Electrochemistry of Surface-Grafted Stimulus-Responsive Monolayers of Poly(ferrocenyldimethylsilane) on Gold. Langmuir, 2005, 21, 5115-5123.	1.6	62
840	Influence of Poly(propylene sulfide-block-ethylene glycol) Di- and Triblock Copolymer Architecture on the Formation of Molecular Adlayers on Gold Surfaces and Their Effect on Protein Resistance:  A Candidate for Surface Modification in Biosensor Research. Macromolecules, 2005, 38, 10503-10510.	2.2	72
841	Molecular Gradients:Â An Efficient Approach for Optimizing the Surface Properties of Biomaterials and Biochips. Langmuir, 2005, 21, 1042-1050.	1.6	84
842	Study of Langmuir and Langmuirâ-'Blodgett Films of Odorant-Binding Protein/Amphiphile for Odorant Biosensors. Langmuir, 2005, 21, 4058-4065.	1.6	55
843	Carboranethiol-Modified Gold Surfaces. A Study and Comparison of Modified Cluster and Flat Surfaces. Langmuir, 2005, 21, 7776-7785.	1.6	73
844	Coordination-Based Gold Nanoparticle Layers. Journal of the American Chemical Society, 2005, 127, 9207-9215.	6.6	100
845	Kinetics of Exchange of Alkanethiol Monolayers Self-Assembled on Polycrystalline Gold. Langmuir, 2005, 21, 6825-6829.	1.6	77
846	Thiol End-Functionalization of Poly( $\hat{l}\mu$ -caprolactone), Catalyzed by Candida antarctica Lipase B. Macromolecules, 2005, 38, 647-649.	2.2	98
847	Control of Moisture at Buried Polymer/Alumina Interfaces through Substrate Surface Modification. Langmuir, 2005, 21, 2460-2464.	1.6	25
848	Covalent Attachment of a Transition Metal Coordination Complex to Functionalized Oligo(phenylene-ethynylene) Self-Assembled Monolayers. Journal of the American Chemical Society, 2005, 127, 14299-14309.	6.6	28

#	Article	IF	CITATIONS
849	Synthesis and Self-Assembly of Galactose-Terminated Alkanethiols and Their Ability to Resist Proteins. Langmuir, 2005, 21, 2971-2980.	1.6	50
850	Immobilization of a Catalytic DNA Molecular Beacon on Au for Pb(II) Detection. Analytical Chemistry, 2005, 77, 442-448.	3.2	119
851	AFM Force Measurements between SAM-Modified Tip and SAM-Modified Substrate in Alkaline Solution. Journal of Physical Chemistry B, 2005, 109, 10213-10222.	1.2	9
852	Robust Self-Assembled Octadecylphosphonic Acid Monolayers on a Mica Substrate. Langmuir, 2005, 21, 2773-2778.	1.6	16
853	Self-Assembled Monolayer of a Pepstatin Fragment as a Sensing Element for Aspartyl Proteases. Analytical Chemistry, 2005, 77, 1588-1595.	3.2	17
854	Immobilization of native membrane-bound rhodopsin on biosensor surfaces. Biochimica Et Biophysica Acta - General Subjects, 2005, 1724, 324-332.	1.1	37
855	Multi-analyte surface plasmon resonance biosensing. Methods, 2005, 37, 26-36.	1.9	183
856	Improved blocking properties of short-chain alkanethiol monolayers self-assembled on gold. Israel Journal of Chemistry, 2005, 45, 337-344.	1.0	11
857	Self-assembled monolayers of alkanethiols on Au(111): surface structures, defects and dynamics. Physical Chemistry Chemical Physics, 2005, 7, 3258.	1.3	299
858	Probing Interfacial Organization in Surface Monolayers Using Tethered Pyrene. 1. Structural Mediation of Electron and Proton Access to Adsorbates. Journal of Physical Chemistry B, 2005, 109, 15812-15821.	1.2	40
859	Protein Resistance of Surfaces Prepared by Sorption of End-Thiolated Poly(ethylene glycol) to Gold:Â Effect of Surface Chain Density. Langmuir, 2005, 21, 1036-1041.	1.6	284
860	Synthesis and Characterization of SAMs and Tethered Bilayer Membranes from Unsymmetrically Substituted 1,2-Dithianes. Australian Journal of Chemistry, 2005, 58, 738.	0.5	5
861	Self-Assembled Monolayers and Polymer Brushes in Biotechnology:Â Current Applications and Future Perspectives. Biomacromolecules, 2005, 6, 2427-2448.	2.6	661
862	Dendritic Structures Based on Bis(hydroxymethyl)propionic Acid as Platforms for Surface Reactions. Langmuir, 2005, 21, 4512-4519.	1.6	19
863	Photochemical Functionalization of Hydrogen-Terminated Diamond Surfaces:Â A Structural and Mechanistic Study. Journal of Physical Chemistry B, 2005, 109, 20938-20947.	1.2	127
864	Electrochemical and Surface Characterization of 4-Aminothiophenol Adsorption at Polycrystalline Platinum Electrodes. Langmuir, 2006, 22, 6102-6108.	1.6	55
865	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
866	Ultrafast Cooling of Photoexcited Electrons in Gold Nanoparticleâ°'Thiolated DNA Conjugates Involves the Dissociation of the Goldâ°'Thiol Bond. Journal of the American Chemical Society, 2006, 128, 2426-2433.	6.6	211

#	Article	IF	Citations
867	The effect of surface attachment on ligand binding: studying the association of Mg2+, Ca2+and Sr2+by 1-thioglycerol and 1,4-dithiothreitol monolayers. Physical Chemistry Chemical Physics, 2006, 8, 158-164.	1.3	25
868	Organometallic ï∈-Tweezers, NCN Pincers, and Ferrocenes as Molecular "Tinkertoys―in the Synthesis of Multiheterometallic Transition-Metal Complexes. Organometallics, 2006, 25, 1836-1850.	1.1	78
869	Electrochemical Characteristics of Self Assembled Monolayers of Oligothiophenes. , 2006, , .		0
870	Effect of self-assembled monolayer film order on nanofriction. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2006, 24, 1484-1488.	0.9	36
871	REACTIVE POLYMER COATINGS FOR BIOMIMETIC SURFACE ENGINEERING. Chemical Engineering Communications, 2006, 193, 1457-1468.	1.5	34
872	Novel tripod ligands for prickly self-assembled monolayers. Dalton Transactions, 2006, , 2767-2777.	1.6	57
873	Preparation and characterisation of an aligned carbon nanotube array on the silicon (100) surface. Soft Matter, 2006, 2, 1081-1088.	1.2	49
874	lon recognition properties of self-assembled monolayers (SAMs). Chemical Communications, 2006, , 4461.	2.2	95
875	Ice Nucleation and Phase Behavior on Oligo(ethylene glycol) and Hydroxyl Self-Assembled Monolayers:Â Simulations and Experiments. Journal of Physical Chemistry B, 2006, 110, 1830-1836.	1.2	7
876	SURFACE PLASMON RESONANCE (SPR) BIOSENSORS AND THEIR APPLICATIONS IN FOOD SAFETY AND SECURITY., 2006, , 101-118.		7
878	Biomedical interfaces: titanium surface technology for implants and cell carriers. Nanomedicine, 2006, 1, 449-463.	1.7	95
879	Ferrocenylalkylthiolates as a Probe of Heterogeneity in Binary Self-Assembled Monolayers on Gold. Langmuir, 2006, 22, 4438-4444.	1.6	145
880	Improved polymer–glass adhesion through micro-mechanical interlocking. Journal of Micromechanics and Microengineering, 2006, 16, S161-S168.	1.5	26
881	Formation of Supported Phospholipid Bilayers on Molecular Surfaces: Role of Surface Charge Density and Electrostatic Interaction. Biophysical Journal, 2006, 90, 1270-1274.	0.2	118
882	Delivering Octadecylphosphonic Acid Self-Assembled Monolayers on a Si Wafer and Other Oxide Surfaces. Journal of Physical Chemistry B, 2006, 110, 21101-21108.	1.2	76
883	Probing surfaces with single-polymer atomic force microscope experiments. Biointerphases, 2006, 1, MR1-MR21.	0.6	24
884	The Art of Immobilization for SPR Sensors. Springer Series on Chemical Sensors and Biosensors, 2006, , 117-151.	0.5	27
885	Microchameleons: Nonlinear chemical microsystems for amplification and sensing. Chaos, 2006, 16, 037102.	1.0	7

#	Article	IF	CITATIONS
886	Interfacial energetics of globular–blood protein adsorption to a hydrophobic interface from aqueous-buffer solution. Journal of the Royal Society Interface, 2006, 3, 283-301.	1.5	37
887	Electron transport and redox reactions in carbon-based molecular electronic junctions. Physical Chemistry Chemical Physics, 2006, 8, 2572.	1.3	74
888	Ultrasensitive Immunoassays Based on Surface-Enhanced Raman Scattering by Immunogold Labels. , 2006, , 427-446.		16
889	ToFâ^'SIMS Investigation of Octadecylphosphonic Acid Monolayers on a Mica Substrate. Langmuir, 2006, 22, 9244-9250.	1.6	16
890	Friction of Mixed and Single-Component Aromatic Monolayers in Contacts of Different Adhesive Strength. Journal of Physical Chemistry B, 2006, 110, 2209-2218.	1.2	24
891	Covalent Photochemical Functionalization of Amorphous Carbon Thin Films for Integrated Real-Time Biosensing. Langmuir, 2006, 22, 9598-9605.	1.6	96
892	Nanotribological Properties of Alkanephosphonic Acid Self-Assembled Monolayers on Aluminum Oxide:Â Effects of Fluorination and Substrate Crystallinity. Langmuir, 2006, 22, 3988-3998.	1.6	83
893	A Nanoengineering Approach to Regulate the Lateral Heterogeneity of Self-Assembled Monolayers. Journal of the American Chemical Society, 2006, 128, 11574-11581.	6.6	42
894	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
895	Stepwise Assembly of Acceptorâ^'Sigma Spacerâ^'Donor Monolayers:Â Preparation and Electrochemical Characterization. Langmuir, 2006, 22, 3388-3395.	1.6	17
896	A Mild Etch for the Fabrication of Three-Dimensional Nanostructures in Gold. Journal of the American Chemical Society, 2006, 128, 392-393.	6.6	26
897	Controlled Amine Functionality in Self-Assembled Monolayers via the Hidden Amine Route:  Chemical and Electronic Tunability. Journal of Physical Chemistry B, 2006, 110, 8002-8009.	1.2	34
898	Supramolecular Assemblies of a New Series of Gemini-Type Schiff Base Amphiphiles at the Air/Water Interface:Â In Situ Coordination, Interfacial Nanoarchitectures, and Spacer Effect. Langmuir, 2006, 22, 5005-5012.	1.6	42
899	Investigation into pH-Responsive Self-Assembled Monolayers of Acylated Anthranilate-Terminated Alkanethiol on a Gold Surface. Langmuir, 2006, 22, 3715-3720.	1.6	23
900	Functionalization of Titanium Oxide Surfaces by Means of Poly(alkyl-phosphonates). Journal of Physical Chemistry B, 2006, 110, 25603-25605.	1.2	59
901	Theoretical Characterization of Cyclic Thiolated Gold Clusters. Journal of the American Chemical Society, 2006, 128, 10268-10275.	6.6	118
902	Structural Rearrangement of C70Monolayers Induced by Octanethiol Adsorption. Langmuir, 2006, 22, 10025-10031.	1.6	12
903	Sensing Capabilities of Colloidal Gold Monolayer Modified with a Phenylboronic Acid-Carrying Polymer Brush. Biomacromolecules, 2006, 7, 1065-1071.	2.6	44

#	Article	IF	CITATIONS
904	Submicrometer Structure of Surface-Chemical Gradients Prepared by a Two-Step Immersion Method. Langmuir, 2006, 22, 2706-2711.	1.6	45
905	Self-Assembled Monolayers on Mercury Probed in a Modified Surface Force Apparatus. Journal of Physical Chemistry B, 2006, 110, 25931-25940.	1.2	4
906	Resonance Raman Evidence of Immobilization of Laccase on Self-Assembled Monolayers of Thiols on Ag and Au Surfaces. Applied Spectroscopy, 2006, 60, 752-757.	1,2	16
907	ãfã,ã,ªè;¨é¢ã®æ§‹ç¯‰ã•機èf½åŒ−ï¼é«~性èf½DNAã,»ãf³ã,µãf⅓ã®é−‹ç™ºï¼• Hyomen Gijutsu/Journal o	of <b>the</b> Surf	ace Finishing
908	Characterization of Polypyridine-graft-PEG Copolymer at Interface. Journal of the Japan Society of Colour Material, 2006, 79, 475-482.	0.0	1
909	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
910	Chapter 1 Supported Lipid Bilayers for the Detection of Hormone-Receptor Interactions. Behavior Research Methods, 2006, 3, 1-35.	2.3	3
911	Ferrocene-based monolayers: Self-assembly via rigid bidentate anchor groups., 2006,,.		0
913	Developments in Using Scanning Probe Microscopy To Study Molecules on Surfaces — From Thin Films and Single-Molecule Conductivity to Drug–Living Cell Interactions. Australian Journal of Chemistry, 2006, 59, 359.	0.5	9
914	Selective Oxidation of Dopamine and Serotonin with an Alkanethiol-Modified Electrode. Electrochemistry, 2006, 74, 149-152.	0.6	1
915	Covalent and embedment immobilization of macrocyclic polyamines on gold electrodes and their voltammetric responses towards ethene dicarboxylic acids. Electrochimica Acta, 2006, 51, 2289-2297.	2.6	17
916	Immobilization of rhodopsin on a self-assembled multilayer and its specific detection by electrochemical impedance spectroscopy. Biosensors and Bioelectronics, 2006, 21, 1393-1402.	5.3	102
917	A comparative study of capacitive immunosensors based on self-assembled monolayers formed from thiourea, thioctic acid, and 3-mercaptopropionic acid. Biosensors and Bioelectronics, 2006, 22, 233-240.	<b>5.</b> 3	121
918	Self assembled monolayers on silicon for molecular electronics. Analytica Chimica Acta, 2006, 568, 84-108.	2.6	450
919	Pattern design in large area using octadecyltrichlorosilane self-assembled monolayers as resist material. Applied Surface Science, 2006, 252, 4230-4235.	3.1	22
920	Surface engineering approaches to micropattern surfaces for cell-based assays. Biomaterials, 2006, 27, 3044-3063.	5.7	881
921	Interfacial energetics of blood plasma and serum adsorption to a hydrophobic self-assembled monolayer surfacea~†. Biomaterials, 2006, 27, 3187-3194.	5.7	58
922	Interaction of cationic gold nanoparticles and carboxylate-terminated poly(amidoamine) dendrimers. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 273, 154-160.	2.3	25

#	Article	IF	Citations
923	Self-assembled monolayers on bismuth electrodes. Electrochemistry Communications, 2006, 8, 932-936.	2.3	28
924	Self-assembled monolayers (SAMs) of cobalt tetracarboxylic acidchloride phthalocyanine covalently attached onto a preformed mercaptoethanol SAM: A novel method. Electrochimica Acta, 2006, 51, 3489-3494.	2.6	27
925	QM/MM and classical molecular dynamics simulation of histidine-tagged peptide immobilization on nickel surface. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 423, 84-91.	2.6	19
926	Rigid-rod structured palladium complexes. Inorganica Chimica Acta, 2006, 359, 1899-1906.	1.2	13
927	A novel biochip technology for detection of explosives–TNT: Synthesis, characterisation and application. Sensors and Actuators B: Chemical, 2006, 113, 730-748.	4.0	60
928	Synthesis and characterization of an electroactive surface that releases $\hat{I}^3$ -aminobutyric acid (GABA). Journal of Colloid and Interface Science, 2006, 296, 165-177.	5.0	10
929	Solvent effect on CO oxidation as a novel diagnosing tool to pin down low-coverage CO at the liquid–solid interface: An in situ infrared study. Journal of Colloid and Interface Science, 2006, 304, 419-430.	5.0	8
930	Binary mixtures of self-assembled monolayers of 1,8-octanedithiol and 1-octanethiol for a controlled growth of gold nanoparticles. Organic Electronics, 2006, 7, 337-350.	1.4	31
931	Organic chemistry on solid surfaces. Surface Science Reports, 2006, 61, 229-281.	3.8	243
932	Interfacial design and functionization on metal electrodes through self-assembled monolayers. Surface Science Reports, 2006, 61, 445-463.	3.8	133
933	Dithiocarbamates:  Functional and Versatile Linkers for the Formation of Self-Assembled Monolayers. Langmuir, 2006, 22, 658-663.	1.6	169
934	Solid supported lipid bilayers: From biophysical studies to sensor design. Surface Science Reports, 2006, 61, 429-444.	3.8	969
935	Adsorption of short-chain alkanethiols on $Ag(111)$ studied by direct recoiling spectroscopy. Surface Science, 2006, 600, 2305-2316.	0.8	19
936	Selective magnetic separation of sulfur-containing amino acids by sonochemically prepared Au/ $\hat{I}^3$ -Fe2O3 composite nanoparticles. Scripta Materialia, 2006, 54, 609-613.	2.6	19
937	Self-Organized Monolayers: A Route to Conformational Switching and Read-Out of Functional Supramolecular Assemblies by Scanning Probe Methods. Advanced Functional Materials, 2006, 16, 221-235.	7.8	69
938	Biomedical Applications of Layer-by-Layer Assembly: From Biomimetics to Tissue Engineering. Advanced Materials, 2006, 18, 3203-3224.	11.1	1,214
939	Observation of Hybridization on a DNA Array by Surface Plasmon Resonace Imaging using Au Nanoparticles. Japanese Journal of Applied Physics, 2006, 45, 1026-1029.	0.8	13
940	Onset wear in self-assembled monolayers. Nanotechnology, 2006, 17, 2954-2962.	1.3	15

#	Article	IF	CITATIONS
941	The influence of chain length and ripening time on the self-assembly of alkylamines on mica. Journal of Chemical Physics, 2006, 125, 044708.	1.2	17
942	Stability and phase separation in mixed self-assembled monolayers. Journal of Chemical Physics, 2006, 125, 074708.	1.2	11
943	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
944	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
945	Multiple Hydrogen Bonding for Reversible Polymer Surface Adhesion. Langmuir, 2006, 22, 1099-1105.	1.6	40
946	Micromachined silicon plates for sensing molecular interactions. Applied Physics Letters, 2006, 89, 173123.	1.5	22
947	SONOCHEMICAL PREPARATION OF GOLD/IRON OXIDE COMPOSITE MAGNETIC NANOPARTICLES AND SELECTIVE MAGNETIC SEPARATION OF BIOMOLECULES. International Journal of Nanoscience, 2006, 05, 359-363.	0.4	2
950	Chapter 12 Organized Organic Thin Films: Structure, Phase Transitions and Chemical Reactions. Thin Films and Nanostructures, 2007, 34, 639-664.	0.1	0
951	Self-assembly of semifluorinated n-alkanethiols on {111}-oriented Au investigated with scanning tunneling microscopy experiment and theory. Journal of Chemical Physics, 2007, 127, 024702.	1.2	11
952	Monitoring DNA Hybridization by Quantification of Nitrogen Content Using X-Ray Photoelectron Spectroscopy. Japanese Journal of Applied Physics, 2007, 46, L49-L52.	0.8	1
953	Quantitative Friction Map on Surface Composed of $\hat{l}^2$ -Cyclodextrin Monolayer. Japanese Journal of Applied Physics, 2007, 46, 7838-7845.	0.8	1
954	Microcontact Processing for Microtechnology and Biology. Chimia, 2007, 61, 126-132.	0.3	6
955	MOLECULAR SELF-ASSEMBLY: A TOOLKIT FOR ENGINEERING AT THE NANOMETER SCALE. Series on Iraq War and Its Consequences, 2007, , 127-165.	0.1	0
956	Physical vapour deposition of alkyl phosphonic acid on mica and HOPG investigated by NC-AFM. Nanotechnology, 2007, 18, 084003.	1.3	5
957	Nanoscale Fabrication of P. aeruginosa Azurinon Self-Assembled Monolayer. Molecular Crystals and Liquid Crystals, 2007, 463, 281/[563]-289/[571].	0.4	3
959	Patterning of the Self-Assembled Monolayer Using the Zero Residual Nano-Imprint Lithography. Solid State Phenomena, 2007, 124-126, 523-526.	0.3	1
960	Electrochemical Release of Immobilized IgG Protein. Materials Research Society Symposia Proceedings, 2007, 1010, 1.	0.1	0
961	Engineering nanostructures at surfaces using nanolithography. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2007, 221, 589-629.	0.7	22

#	Article	IF	CITATIONS
962	Effect of Divalent Cations in Langmuir-Blodgett Films on the Protection of Copper against Corrosion. Materials Science Forum, 2007, 537-538, 9-16.	0.3	5
963	Prevention of sulfide mineral leaching through covalent coating. Main Group Chemistry, 2007, 6, 169-184.	0.4	5
967	Chapter 21 Electrochemical genosensing of food pathogens based on graphite–epoxy composite. Comprehensive Analytical Chemistry, 2007, , 439-466.	0.7	2
969	Synthesis of Microsized Gold Plates with Nanometer Thickness via a Simple Solution Route using 3-mercaptopropyltrimethoxysilane. Journal of the Ceramic Society of Japan, 2007, 115, 944-946.	0.5	6
970	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
971	Molecular Machines. The Electrical Engineering Handbook, 2007, , 11-1-11-48.	0.2	0
973	Electrochemically Controllable Conjugation of Proteins on Surfaces. Bioconjugate Chemistry, 2007, 18, 1919-1923.	1.8	41
974	Direct Immobilization of Fabâ€~ in Nanocapillaries for Manipulating Mass-Limited Samples. Journal of the American Chemical Society, 2007, 129, 7620-7626.	6.6	52
975	Molecular Dynamics Simulations of Alkanethiol Monolayers with Azobenzene Molecules on the Au(111) Surface. Journal of Physical Chemistry C, 2007, 111, 14743-14752.	1.5	14
976	Imaging Photoelectron Transmission through Self-Assembled Monolayers:Â The Work-Function of Alkanethiols Coated Gold. Langmuir, 2007, 23, 6156-6162.	1.6	17
977	Tetraurea calix[4]arenes with sulfur functions: synthesis, dimerization to capsules, and self-assembly on gold. Organic and Biomolecular Chemistry, 2007, 5, 558-568.	1.5	19
979	Potential-Induced Structural Change in a Self-Assembled Monolayer of 4-Methylbenzenethiol on Au(111). Journal of Physical Chemistry C, 2007, 111, 6335-6342.	1.5	52
980	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
981	Nanobiotechnology: An Engineer's Foray into Biology. Advances in Computers, 2007, 71, 39-102.	1.2	1
982	Supramolecular [60]fullerene chemistry on surfaces. Chemical Society Reviews, 2007, 36, 390-414.	18.7	262
983	Molecular simulations of stretching gold nanowires in solvents. Nanotechnology, 2007, 18, 424007.	1.3	39
984	Chemical and biological sensors using polycrystalline silicon TFTs. Journal of Materials Chemistry, 2007, 17, 219-224.	6.7	48
985	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

#	Article	IF	Citations
986	Investigation of the interactions between alkanethiol self-assembled monolayers and a liquid overlayer using impedance spectroscopy. Physical Chemistry Chemical Physics, 2007, 9, 6142.	1.3	5
987	Rapid Vapor-Phase Fabrication of Organicâ^'Inorganic Hybrid Superlattices with Monolayer Precision. Journal of the American Chemical Society, 2007, 129, 16034-16041.	6.6	103
988	Design and Interfacial Assembly of a New Series of Gemini Amphiphiles with Hydrophilic Poly(ethyleneamine) Spacers. Journal of Physical Chemistry B, 2007, 111, 3090-3097.	1.2	22
989	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
990	Multiscale Modeling of Self-Assembled Monolayers of Thiophenes on Electronic Material Surfaces. Langmuir, 2007, 23, 4897-4909.	1.6	22
991	Formation of Dense Self-assembled Monolayers of (n-Decyl)trichlorosilanes on Ta/Ta2O5. Langmuir, 2007, 23, 443-451.	1.6	37
992	Polymerization at the Alkylthiolateâ^'Au(111) Interface. Journal of Physical Chemistry B, 2007, 111, 3325-3327.	1.2	73
993	Preparation and Characterization of Langmuir and Langmuirâ <sup>^</sup> Blodgett Films from a Nitrile-Terminated Tolan. Chemistry of Materials, 2007, 19, 857-864.	3.2	26
994	Structure and Electrochemical Characterization of 4-Methyl-4â $\in$ (n-mercaptoalkyl)biphenyls on Au(111)-(1 Å— 1). Journal of Physical Chemistry C, 2007, 111, 17409-17419.	1.5	29
995	Rapid Evaluation and Screening of Interfacial Reactions on Self-Assembled Monolayers. Langmuir, 2007, 23, 11826-11835.	1.6	39
997	Self-Assembled Monolayers of Aromatic Tellurides on (111)-Oriented Gold and Silver Substrates. Journal of Physical Chemistry C, 2007, 111, 11627-11635.	1.5	38
998	Ab initiostructural and electronic analysis of CH3SH self-assembled on a Cu(110) substrate. Physical Review B, 2007, 75, .	1.1	11
999	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, 12002-12010.	1.5	22
1000	Investigating the Molecular Mechanisms of In-Plane Mechanochemistry on Cantilever Arrays. Journal of the American Chemical Society, 2007, 129, 601-609.	6.6	102
1001	Reversible Photoswitchable Wettability in Noncovalently Assembled Multilayered Films. Langmuir, 2007, 23, 13181-13187.	1.6	21
1002	Direct Photopatterning and SEM Imaging of Molecular Monolayers on Diamond Surfaces:  Mechanistic Insights into UV-Initiated Molecular Grafting. Langmuir, 2007, 23, 11623-11630.	1.6	31
1003	Covalent molecular functionalization of diamond thin-film transistors. Diamond and Related Materials, 2007, 16, 1608-1615.	1.8	18
1004	Label-Free Detection of Bacteria by Electrochemical Impedance Spectroscopy:Â Comparison to Surface Plasmon Resonance. Analytical Chemistry, 2007, 79, 4879-4886.	3.2	215

#	Article	IF	CITATIONS
1005	Influence of Alkyl Chain Length on Phosphate Self-Assembled Monolayers. Langmuir, 2007, 23, 8053-8060.	1.6	195
1006	Chemically Modified Electrodes. , 2007, , 295-327.		25
1007	Self-Assembled Hybrid Nanoparticles for Cancer-Specific Multimodal Imaging. Journal of the American Chemical Society, 2007, 129, 8962-8963.	6.6	193
1008	Kinetically Stable, Flat-Lying Thiolate Monolayers. Angewandte Chemie - International Edition, 2007, 46, 3762-3764.	7.2	21
1009	A Facile Preparative Method for Aggregation-Free Gold Nanoparticles Using Poly(styrene-block-cysteine). Angewandte Chemie - International Edition, 2007, 46, 5720-5723.	7.2	36
1012	On-Chip Determination of Dopamine Exocytosis Using Mercaptopropionic Acid Modified Microelectrodes. Electroanalysis, 2007, 19, 263-271.	1.5	71
1013	Scanning Tunneling Microscopy and Spectroscopy Studies of 4-Methyl- 4′-(n-mercaptoalkyl)biphenyls on Au(111)-(1×1). ChemPhysChem, 2007, 8, 1037-1048.	1.0	22
1014	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
1015	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
1016	Self-assembled monolayers of mercaptosuccinic acid on silver and gold surfaces designed for protein binding. Part I: structure of the monolayer. Journal of Raman Spectroscopy, 2007, 38, 936-942.	1.2	21
1017	Bis-(4-(2-pyridylmethyleneiminophenyl))disulfide â€" A chelating ligand capable of self assembly on gold surface and its complexes with M(BF4)2 and M(ClO4)2; MCo, Cu and Ni. Experimental and theoretical study. Thin Solid Films, 2007, 515, 4649-4661.	0.8	8
1018	Probing organization and communication at layered interfaces. Bioelectrochemistry, 2007, 70, 421-434.	2.4	2
1019	Resistance of surface-confined telomers with pendent glucosylurea groups against non-specific adsorption of proteins. Colloids and Surfaces B: Biointerfaces, 2007, 56, 188-196.	2.5	4
1020	Recognition of sugars on surface-bound cap-shaped gold particles modified with a polymer brush. Colloids and Surfaces B: Biointerfaces, 2007, 57, 61-68.	2.5	27
1021	Insights into the surface and redox properties of single-walled carbon nanotubeâ€"cobalt(II) tetra-aminophthalocyanine self-assembled on gold electrode. Electrochimica Acta, 2007, 52, 4132-4143.	2.6	87
1022	Fabrication and functions of surface nanomaterials based on multilayered or nanoarrayed assembly of metal complexes. Coordination Chemistry Reviews, 2007, 251, 2688-2701.	9.5	119
1023	Optical organophosphate/phosphonate sensor based upon gold nanoparticle functionalized quartz. Analytica Chimica Acta, 2007, 602, 101-107.	2.6	16
1024	Interactions of adsorbed albumin with underpotentially deposited copper on gold piezoelectrodes. Bioelectrochemistry, 2007, 70, 155-164.	2.4	14

#	Article	IF	CITATIONS
1025	Direct recoil spectroscopy of alkanethiol covered surfaces. Nuclear Instruments & Methods in Physics Research B, 2007, 258, 183-188.	0.6	2
1026	Surface plasmon resonance biosensor for direct detection of antibody against Epstein-Barr virus. Biosensors and Bioelectronics, 2007, 22, 1020-1026.	5.3	89
1027	Patterned growth of CdS by combined electrochemical atomic layer epitaxy and microcontact printing techniques. Electrochimica Acta, 2007, 52, 6034-6040.	2.6	10
1028	Monitoring the real time growth of a self-assembled monolayer on a polymer electrolyte surface. Electrochimica Acta, 2007, 53, 1628-1634.	2.6	3
1029	Functionalization of magnetic gold/iron-oxide composite nanoparticles with oligonucleotides and magnetic separation of specific target. Journal of Magnetism and Magnetic Materials, 2007, 311, 255-258.	1.0	40
1030	Diazonium salts: Stable monolayers on gold electrodes for sensing applications. Journal of Electroanalytical Chemistry, 2007, 600, 335-344.	1.9	185
1031	Nano-ordered topographical effects on dissociation of carboxylic acid terminated self-assembled monolayers adsorbed onto a gold surface. Journal of Electroanalytical Chemistry, 2007, 603, 203-211.	1.9	15
1032	Direct heterogeneous electron transfer reactions and molecular orientation of fructose dehydrogenase adsorbed onto pyrolytic graphite electrodes. Journal of Electroanalytical Chemistry, 2007, 610, 1-8.	1.9	50
1033	Self-assembled monolayers of a hydroquinone-terminated alkanethiol onto gold surface. Interfacial electrochemistry and Michael-addition reaction with glutathione. Journal of Electroanalytical Chemistry, 2007, 610, 218-226.	1.9	28
1034	Determination of Ferulic Acid Based on L-Cysteine Self-assembled Modified Gold Electrode Coupling Irreversible Biamperometry. Chinese Journal of Analytical Chemistry, 2007, 35, 933-937.	0.9	18
1035	Self-assembly of biotin and thio-functionalized carboxymethyl celluloses on gold and molecular recognition of streptavidin detected by surface plasmon resonance. Cellulose, 2007, 14, 89-98.	2.4	11
1036	Bio-nanopatterning of Surfaces. Nanoscale Research Letters, 2007, 2, 373-384.	3.1	110
1037	Self-assembled mixed monolayer containing ferrocenylthiol molecules: STM observations and electrochemical investigations. Electrochimica Acta, 2007, 52, 4436-4442.	2.6	33
1038	A solid-state sensor platform for the detection of hydrogen cyanide gas. Sensors and Actuators B: Chemical, 2007, 123, 313-317.	4.0	32
1039	Comparative assessment of n-dodecanethiol and n-dodecaneselenol monolayers on electroplated copper. Journal of Electroanalytical Chemistry, 2008, 621, 245-253.	1.9	27
1040	Electrochemical desorption of a self-assembled monolayer of alkanethiol in ionic liquids. Journal of Electroanalytical Chemistry, 2008, 615, 110-116.	1.9	19
1041	Impact of the anchoring groups X (–SH, –S–S–, –SeH and –Se–Se–) of CF3(CF2)3(CH2)11X moself-assembled on oxidised electroplated copper. Journal of Electroanalytical Chemistry, 2008, 618, 24-32.	olecules 1.9	16
1042	Interaction of wheat germ agglutinin with an N-acetylglucosamine-carrying telomer brush accumulated on a colloidal gold monolayer. Colloids and Surfaces B: Biointerfaces, 2008, 61, 17-24.	2.5	18

#	Article	IF	CITATIONS
1043	Time-of-flight secondary ion mass spectrometry, fluorescence microscopy and scanning electron microscopy: Combined tools for monitoring the process of patterning and layer-by-layer assembly of synthetic and biological materials. Colloids and Surfaces B: Biointerfaces, 2008, 65, 85-91.	2.5	14
1044	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
1045	Radiation induced synthesis of gold/iron-oxide composite nanoparticles using high-energy electron beam. Journal of Nanoparticle Research, 2008, 10, 1071-1076.	0.8	78
1046	Structure and electrochemical reactivity of new sulphur–silicon podands adsorbed on silver or gold surfaces. Journal of Materials Science, 2008, 43, 3459-3465.	1.7	5
1047	Self-assembled ultra-thin coatings of octadecyltrichlorosilane (OTS) formed at the surface of iron oxide nanoparticles. Colloid and Polymer Science, 2008, 286, 159-168.	1.0	13
1048	Target coatings and desorption surfaces in biomolecular MALDIâ€MS. Proteomics, 2008, 8, 706-714.	1.3	21
1049	Towards Multipotent Coatings: Chemical Vapor Deposition and Biofunctionalization of Carbonylâ€substituted Copolymers. Macromolecular Rapid Communications, 2008, 29, 855-870.	2.0	34
1050	Dipodal Ferroceneâ€Based Adsorbate Molecules for Selfâ€Assembled Monolayers on Gold. Chemistry - A European Journal, 2008, 14, 4346-4360.	1.7	39
1051	Maßgeschneiderte Organische Oberflähen. Dünnstschichten. Chemie in Unserer Zeit, 2008, 42, 128-141.	0.1	5
1052	DFT Studies of the Molecular Structures and Conformational Processes of 1,2â€, 1,3†and 1,4â€Dithiepane. Chinese Journal of Chemistry, 2008, 26, 471-479.	2.6	6
1053	Goldâ€silver and silverâ€silver nanoparticle constructs based on DNA hybridization of thiol―and aminoâ€functionalized oligonucleotides. Journal of Biophotonics, 2008, 1, 104-113.	1.1	29
1054	Electron Transfer Behavior through Densely Packed Selfâ€Assembled Monolayers of a Novel Heteroaromatic Thiol Derivative onto the Gold Surface. Electroanalysis, 2008, 20, 513-519.	1.5	15
1055	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
1056	Surface Modification of Gold by Quercetin Monolayer for the Electrochemical Determination of Copper(II). Electroanalysis, 2008, 20, 1690-1695.	1.5	9
1057	Electroactive Dipyrrometheneâ€Cu(II) Monolayers Deposited onto Gold Electrodes for Voltammetric Determination of Paracetamol. Electroanalysis, 2008, 20, 2317-2323.	1.5	47
1058	Selfâ€Assembled Monolayers of a Malachite Green Derivative: Surfaces with pH―and UVâ€Responsive Wetting Properties. Advanced Materials, 2008, 20, 1972-1977.	11.1	80
1059	Biological materials: Structure and mechanical properties. Progress in Materials Science, 2008, 53, 1-206.	16.0	2,042
1060	An optimised electrode pre-treatment for SAM formation on polycrystalline gold. Journal of Electroanalytical Chemistry, 2008, 621, 117-120.	1.9	90

#	Article	IF	CITATIONS
1061	Self-assembled nano-arrays of single-walled carbon nanotube–octa(hydroxyethylthio)phthalocyaninatoiron(II) on gold surfaces: Impacts of SWCNT and solution pH on electron transfer kinetics. Electrochimica Acta, 2008, 53, 2782-2793.	2.6	35
1062	Dipyrromethene–dodecanethiol self-assembled monolayers deposited onto gold electrodes. Electrochimica Acta, 2008, 53, 7932-7940.	2.6	18
1063	Molecular recognition in functional materials at solid interfaces. Current Opinion in Colloid and Interface Science, 2008, 13, 86-95.	3.4	6
1064	Comparative study of Langmuir- and Langmuir–Blodgett layers of amphiphilic carboxylic- and hydroxamic acids. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 321, 20-28.	2.3	9
1065	Stratified PEI-(PSS-PDADMAC)20-PSS-(PDADMAC-TiO2) multilayer films produced by spray deposition. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 322, 142-147.	2.3	11
1066	Covalent binding of sensor phases - a recipe for stable potentials of solid-state ion-selective sensors. Analytica Chimica Acta, 2008, 625, 137-144.	2.6	10
1067	Substrate selective patterning on lithography defined gold on silica: Effect of end-group functionality on intermolecular layer formation. Surface Science, 2008, 602, 2121-2127.	0.8	5
1068	Grafting of molecular layers to oxidized gallium nitride surfaces via phosphonic acid linkages. Surface Science, 2008, 602, 2382-2388.	0.8	49
1069	Synthesis of cyclic disulfides using didecyldimethylammonium bromide as phase transfer catalyst. Tetrahedron Letters, 2008, 49, 520-522.	0.7	27
1070	Self-assembled monolayers of semi-fluorinated thiols and disulfides with a potentially antibacterial terminal fragment on gold surfaces. Thin Solid Films, 2008, 516, 1765-1772.	0.8	14
1071	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
1072	Optical properties of an octadecylphosphonic acid self-assembled monolayer on a silicon wafer. Thin Solid Films, 2008, 517, 814-818.	0.8	19
1073	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
1074	Effects of concentration and temperature on the formation process of decanethiol self-assembled monolayer on Au(111) followed by electrochemical reductive desorption. Electrochimica Acta, 2008, 53, 6196-6201.	2.6	26
1075	Electrochemical fabrication of a heterogeneous binary SAM on polycrystalline Au. Electrochimica Acta, 2008, 54, 388-393.	2.6	23
1076	Thiol end-capped titanium–copper complexes: Synthesis, solid state structure and electrochemical behavior. Inorganica Chimica Acta, 2008, 361, 1659-1667.	1.2	9
1077	Superhydrophobic surfaces: from structural control to functional application. Journal of Materials Chemistry, 2008, 18, 621-633.	6.7	1,560
1078	Mass Spectrometry of Self-Assembled Monolayers: A New Tool for Molecular Surface Science. ACS Nano, 2008, 2, 7-18.	7.3	186

#	Article	IF	Citations
1079	Gold surface modification with 2-thiohydantoins and their cobalt(II) complexes. Moscow University Chemistry Bulletin, 2008, 63, 269-273.	0.2	0
1080	Reduction-Induced Switching of Single-Molecule Conductance of Fullerene Derivatives. Journal of Physical Chemistry B, 2008, 112, 10563-10572.	1.2	27
1081	In situ mechanical observations during nanoindentation inside a high-resolution scanning electron microscope. Journal of Materials Research, 2008, 23, 1973-1979.	1.2	37
1082	Synthesis and Self-Assembly of Thio Derivatives of Calix[4]arene on Noble Metal Surfaces. Langmuir, 2008, 24, 11523-11532.	1.6	27
1083	Combining Self-Assembled Monolayers and Mass Spectrometry for Applications in Biochips. Annual Review of Analytical Chemistry, 2008, 1, 767-800.	2.8	66
1084	Gold single-crystal electrode surface modified with self-assembled monolayers for electron tunneling with bilirubin oxidase. Physical Chemistry Chemical Physics, 2008, 10, 6928.	1.3	60
1085	Gold Nanoparticles Immobilized on Stimuli Responsive Polymer Brushes as Nanosensors. Macromolecules, 2008, 41, 8152-8158.	2.2	112
1086	Single-Molecule Electron Transfer in Electrochemical Environments. Chemical Reviews, 2008, 108, 2737-2791.	23.0	276
1087	Characterization and Conductivity of Langmuir–Blodgett Films Prepared from an Amine-Substituted Oligo(phenylene ethynylene). Chemistry of Materials, 2008, 20, 258-264.	3.2	30
1088	Goldâ°'Thiolate Complexes Form a Unique $\langle i\rangle c\langle i\rangle (4~\text{\AA}-2)$ Structure on Au(111). Journal of Physical Chemistry C, 2008, 112, 15940-15942.	1.5	125
1089	Pyrolysis of single molecular precursor for monodisperse lanthanide sulfide/oxysulfide nanocrystals. Journal of Materials Chemistry, 2008, 18, 949-953.	6.7	47
1090	Nanotechnology-Enabled Sensors. , 2008, , .		69
1091	Bioinorganic Electrochemistry. , 2008, , .		17
1092	Control of surface plasmon resonances in dielectrically coated proximate gold nanoparticles immobilized on a substrate. Physical Review B, 2008, 77, .	1.1	31
1093	Electroactive Dipyrrometheneâ^'Cu(II) Self-Assembled Monolayers: Complexation Reaction on the Surface of Gold Electrodes. Langmuir, 2008, 24, 11239-11245.	1.6	30
1094	Protein-Resistant Poly(ethylene oxide)-Grafted Surfaces:  Chain Density-Dependent Multiple Mechanisms of Action. Langmuir, 2008, 24, 1924-1929.	1.6	193
1095	Copper(II) modified carbon paste electrodes based on self-assembled mercapto compounds-gold-nanoparticle. Talanta, 2008, 76, 497-502.	2.9	32
1096	Gold—an introductory perspective. Chemical Society Reviews, 2008, 37, 1759.	18.7	384

#	Article	IF	CITATIONS
1097	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
1098	Impedance-Based Biosensors for Pathogen Detection. , 2008, , 341-376.		11
1099	Optimization of Immobilized Bacterial Disaccharides for Surface Plasmon Resonance Imaging Measurements of Antibody Binding. Langmuir, 2008, 24, 14125-14132.	1.6	34
1100	From Self-Assembly to Charge Transport with Single Molecules – An Electrochemical Approach. Topics in Current Chemistry, 2008, 287, 181-255.	4.0	22
1101	Self-assembly and heterogeneous electron transfer properties of metallo-octacarboxyphthalocyanine complexes on gold electrode. Physical Chemistry Chemical Physics, 2008, 10, 2399.	1.3	35
1102	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
1103	Gold Micrometer Crystals Modified with Carboranethiol Derivatives. Journal of Physical Chemistry C, 2008, 112, 14446-14455.	1.5	48
1104	Localized Plasmons Seen by Propagating Surface Plasmons: Unique Determination of Their Dielectric Response. Journal of Physical Chemistry C, 2008, 112, 14801-14811.	1.5	9
1105	Elucidating the Role of Surface Hydrolysis in Preparing Organosilane Nanostructures via Particle Lithography. Nano Letters, 2008, 8, 1916-1922.	4.5	81
1106	Dip Pen Nanolithography Functionalized Electrical Gaps for Multiplexed DNA Detection. Analytical Chemistry, 2008, 80, 5899-5904.	3.2	17
1107	Simulation of Mechanically Assembled Monolayers and Polymers in Good Solvent Using Discontinuous Molecular Dynamics. Macromolecules, 2008, 41, 6573-6581.	2.2	4
1108	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
1109	Characterization of Transparent Conducting Oxide Surfaces Using Self-Assembled Electroactive Monolayers. Langmuir, 2008, 24, 5755-5765.	1.6	32
1110	Designing Stable Redox-Active Surfaces: Chemical Attachment of an Osmium Complex to Glassy Carbon Electrodes Prefunctionalized by Electrochemical Reduction of an <i>In Situ</i> Fenerated Aryldiazonium Cation. Langmuir, 2008, 24, 6351-6358.	1.6	77
1111	CANTILEVER BIOSENSORS., 2008, , 419-452.		9
1112	Self-Assembled Monolayer Compatible with Metal Surface Acoustic Wave Devices on Lithium Niobate. Langmuir, 2008, 24, 5161-5165.	1.6	19
1113	Nanografting versus Solution Self-Assembly of $\hat{l}\pm, \hat{l}\%$ -Alkanedithiols on Au(111) Investigated by AFM. Langmuir, 2008, 24, 11661-11668.	1.6	27
1114	Ab Initio Modeling of Defect Signatures in Infrared Reflectionâ <sup>*</sup> Absorption Spectra of SAMs Exposing Methyl- and Hydrogen-Terminated Oligo(ethylene glycols). Journal of Physical Chemistry A, 2008, 112, 728-736.	1.1	8

#	Article	IF	Citations
1115	Interfacial Energetics of Protein Adsorption from Aqueous Buffer to Surfaces with Varying Hydrophilicity. Langmuir, 2008, 24, 2553-2563.	1.6	44
1116	UV Photooxidation of a Homologous Series of <i>n</i> -Alkanethiolate Monolayers on GaAs(001):  A Static SIMS Investigation. Journal of Physical Chemistry C, 2008, 112, 797-805.	1.5	15
1117	Surface-Induced Dissociation of Peptides and Protein Complexes in a Quadrupole/Time-of-Flight Mass Spectrometer. Analytical Chemistry, 2008, 80, 1425-1436.	3.2	57
1118	Density-Functional Study of Adsorption of Isocyanides on a Gold (111) Surface. Journal of Physical Chemistry C, 2008, 112, 3314-3320.	1.5	27
1119	Nano-scale Debye Capacitive Sensors for Highly Sensitive, Label-free, Nucleic Acid Analysis. Materials Research Society Symposia Proceedings, 2008, 1138, 1.	0.1	0
1120	Active Field Effect Capacitive Sensors for High-throughput, Label-free Nucleic Acid Analysis. Materials Research Society Symposia Proceedings, 2008, 1139, 1.	0.1	0
1122	Chip-based molecular diagnostics using metal nanoparticles. Expert Opinion on Medical Diagnostics, 2008, 2, 813-828.	1.6	7
1123	Nanografting for Surface Physical Chemistry. Annual Review of Physical Chemistry, 2008, 59, 367-386.	4.8	119
1124	Mechanical properties of alkanethiol monolayers studied by force spectroscopy. Journal of Chemical Physics, 2008, 128, 044701.	1.2	22
1125	A micromachined surface stress sensor with electronic readout. Review of Scientific Instruments, 2008, 79, 015106.	0.6	1
1126	Nanomechanics of Self-Assembled Monolayers on Nanoscale Gold Films. Materials Research Society Symposia Proceedings, 2008, 1086, 1.	0.1	0
1127	Optical resonances of gold nanoparticles on a gold surface: quantitative correlation of geometry and resonance wavelength. New Journal of Physics, 2008, 10, 113001.	1.2	15
1128	Organic Nanotechnology Enabled Sensors. , 2008, , 371-481.		0
1129	Preparation of Novel Gold Nanoparticles Modified with Thiol-Substituted Porphyrin and Their Properties. Journal of the Japan Society of Colour Material, 2008, 81, 37-42.	0.0	0
1130	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
1131	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
1133	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
1134	NEMS Capacitive Sensors for Highly Sensitive, Label-Free Nucleic-Acid Analysis. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2009, , 19-25.	0.2	O

#	Article	IF	CITATIONS
1136	SPR Imaging for High Throughput, Label-Free Interaction Analysis. Combinatorial Chemistry and High Throughput Screening, 2009, 12, 741-751.	0.6	39
1137	Nitroxyl Radical Selfâ€Assembled Monolayers on Gold: Versatile Electroactive Centers in Aqueous and Organic Media. ChemPhysChem, 2009, 10, 2401-2404.	1.0	27
1138	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
1139	Direct cell entry of gold/iron-oxide magnetic nanoparticles in adenovirus mediated gene delivery. Biomaterials, 2009, 30, 1809-1814.	5.7	62
1140	d-Fructose detection based on the direct heterogeneous electron transfer reaction of fructose dehydrogenase adsorbed onto multi-walled carbon nanotubes synthesized on platinum electrode. Biosensors and Bioelectronics, 2009, 24, 1184-1188.	5.3	76
1141	Proteolytic cleaning of a surface-bound rubisco protein stain. Chemical Engineering Science, 2009, 64, 3868-3878.	1.9	35
1142	Kinetic study on the binding of lectin to mannose residues in a polymer brush. Colloids and Surfaces B: Biointerfaces, 2009, 70, 91-97.	2.5	33
1143	Nanofabrication by self-assembly. Materials Today, 2009, 12, 12-23.	8.3	268
1144	Onâ€plateâ€selective enrichment of glycopeptides using boronic acidâ€modified gold nanoparticles for direct MALDIâ€QITâ€TOF MS analysis. Proteomics, 2009, 9, 5046-5055.	1.3	109
1145	Formation of alkaneâ€phosphonic acid selfâ€assembled monolayers on alumina: an <i>in situ</i> SPR study. Surface and Interface Analysis, 2009, 41, 897-903.	0.8	27
1146	Laterally Patterned Ultraflat Surfaces. Small, 2009, 5, 821-825.	5.2	24
1147	Hierarchical functional gradients of pH-responsive self-assembled monolayers using dynamic covalent chemistry on surfaces. Nature Chemistry, 2009, 1, 649-656.	6.6	161
1148	Combined structure analysis of STM and surface XAFS for self-assembly of metal–thiolate complex at equilibrium: Hexanethiolate on Cu(111). Journal of Electron Spectroscopy and Related Phenomena, 2009, 172, 88-94.	0.8	4
1149	Controlling structural properties of self-assembled oligonucleotide–mercaptohexanol monolayers. Journal of Electron Spectroscopy and Related Phenomena, 2009, 172, 36-41.	0.8	30
1150	Immobilization of aromatic aldehyde molecules on indium tin oxide surface using acetalization reaction. Thin Solid Films, 2009, 518, 739-742.	0.8	1
1151	Dendrimer modified biochip for detection of 2,4,6 trinitrotoluene on SPR immunosensor: Fabrication and advantages. Sensors and Actuators B: Chemical, 2009, 137, 403-409.	4.0	59
1152	A new compact electrochemical method for analyzing complex protein films adsorbed on the surface of modified interdigitated gold electrodes. Sensors and Actuators B: Chemical, 2009, 142, 494-501.	4.0	13
1153	Translational transitions at domain boundaries in octanethiol monolayers on Au(111). Surface Science, 2009, 603, 1156-1159.	0.8	4

#	Article	IF	CITATIONS
1154	Chemical modification of chromium oxide surfaces using organosilanes. Journal of Colloid and Interface Science, 2009, 331, 138-142.	5.0	18
1155	Temperature-responsive polymer brush constructed on a colloidal gold monolayer. Journal of Colloid and Interface Science, 2009, 331, 343-350.	5.0	11
1156	Tailoring the surface potential of gold nanoparticles with self-assembled monolayers with mixed functional groups. Journal of Colloid and Interface Science, 2009, 340, 126-130.	5.0	51
1157	Organic surfaces exposed by self-assembled organothiol monolayers: Preparation, characterization, and application. Progress in Surface Science, 2009, 84, 230-278.	3.8	249
1158	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
1159	Rapid screening of surfactant and biosurfactant surface cleaning performance. Colloids and Surfaces B: Biointerfaces, 2009, 72, 68-74.	2.5	39
1160	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
1161	Fabrication and characterization of oriented carbon atom wires assembled on gold. Chemical Physics Letters, 2009, 469, 284-288.	1.2	2
1162	Preparation and antimicrobial behaviour of quaternary ammonium thiol derivatives able to be grafted on metal surfaces. European Journal of Medicinal Chemistry, 2009, 44, 717-724.	2.6	52
1163	Contact-active microbicidal gold surfaces using immobilization of quaternary ammonium thiol derivatives. European Journal of Medicinal Chemistry, 2009, 44, 4227-4234.	2.6	14
1164	An electrochemical immunosensor for ochratoxin A based on immobilization of antibodies on diazonium-functionalized gold electrode. Electrochimica Acta, 2009, 54, 2180-2184.	2.6	74
1165	Structure and self-assembly of alkanethiols on III–V semiconductor (110) surfaces. Journal of Electron Spectroscopy and Related Phenomena, 2009, 172, 78-87.	0.8	13
1166	Indirect pulsed electrochemical detection of amino acids and proteins following high performance liquid chromatography. Analytica Chimica Acta, 2009, 652, 198-204.	2.6	17
1167	Label free capacitive immunosensor for detecting calpastatin â€" A meat tenderness biomarker. Bioelectrochemistry, 2009, 76, 93-99.	2.4	24
1168	Wetting and Superhydrophobicity. Langmuir, 2009, 25, 14100-14104.	1.6	104
1169	Quantification of Ink Diffusion in Microcontact Printing with Self-Assembled Monolayers. Langmuir, 2009, 25, 242-247.	1.6	23
1170	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
1171	Electronic Properties of a Monolayerâ^'Electrolyte Interface Obtained from Mechanistic Impedance Analysis. Journal of Physical Chemistry C, 2009, 113, 9375-9391.	1.5	13

#	Article	IF	CITATIONS
1172	Anti-biofouling Properties of a Telomer Brush with Pendent Glucosylurea Groups. Langmuir, 2009, 25, 9361-9368.	1.6	16
1173	Long-Chain Alkylthiol Assemblies Containing Buried In-Plane Stabilizing Architectures. Langmuir, 2009, 25, 13959-13971.	1.6	18
1174	Thermomechanical Manipulation of Aromatic Peptide Nanotubes. Langmuir, 2009, 25, 7256-7259.	1.6	26
1175	Photochemical Grafting and Patterning of Biomolecular Layers onto TiO2 Thin Films. ACS Applied Materials & Samp; Interfaces, 2009, 1, 1013-1022.	4.0	35
1176	Headgroup-Dependent Lipid Self-Assembly on Zirconium Phosphate-Terminated Interfaces. Langmuir, 2009, 25, 13918-13925.	1.6	10
1177	Preparation and Characterization of Octadecanethiol Self-Assembled Monolayers on Indium Arsenide (100). Journal of Physical Chemistry C, 2009, 113, 18331-18340.	1.5	26
1178	Fabrication of Mixed Self-Assembled Monolayers Designed for Avidin Immobilization by Irradiation Promoted Exchange Reaction. Langmuir, 2009, 25, 9189-9196.	1.6	40
1179	lonic Binding of Phospholipids to Interfaces: Dependence on Metal Ion Identity. Langmuir, 2009, 25, 13025-13033.	1.6	8
1180	Affinity Capture Mass Spectrometry of Biomarker Proteins Using Peptide Ligands from Biopanning. Analytical Chemistry, 2009, 81, 5999-6005.	3.2	11
1181	Improving the Stability and Sensing of Electrochemical Biosensors by Employing Trithiol-Anchoring Groups in a Six-Carbon Self-Assembled Monolayer. Analytical Chemistry, 2009, 81, 1095-1100.	3.2	86
1182	Surface plasmon resonance biosensor based on compact discs., 2009,,.		3
1183	Patterned Organosilane Monolayers as Lyophobicâ 'Lyophilic Guiding Templates in Surface Self-Assembly: Monolayer Self-Assembly versus Wetting-Driven Self-Assembly. Langmuir, 2009, 25, 13984-14001.	1.6	34
1184	Study on the Formation of Self-Assembled Monolayers on Solâ^'Gel Processed Hafnium Oxide as Dielectric Layers. Langmuir, 2009, 25, 2140-2147.	1.6	54
1185	Probing the Relative Stability of Thiolate- and Dithiolate-Protected Au Monolayer-Protected Clusters. Langmuir, 2009, 25, 12954-12961.	1.6	49
1186	Photoinduced Recovery of Gold Using an Inorganic/Organic Hybrid Photocatalyst. Journal of Physical Chemistry C, 2009, 113, 19986-19993.	1.5	13
1187	Localized surface plasmon resonance sensor based on Ag-PVA nanocomposite thin films. Journal of Materials Chemistry, 2009, 19, 9233.	6.7	59
1188	An Electrochemical Study of 4-Aminothiophenol/Pt Nanoparticle Multilayers on Gold Electrodes. Langmuir, 2009, 25, 534-541.	1.6	24
1190	Molecular Dynamics Simulations of Au Penetration through Alkanethiol Monolayers on the Au(111) Surface. Journal of Physical Chemistry C, 2009, 113, 6360-6366.	1.5	7

#	Article	IF	CITATIONS
1191	Combinatorial Methods for Chemical and Biological Sensors. , 2009, , .		14
1192	Templates in Chemistry III. Topics in Current Chemistry, 2009, , .	4.0	12
1193	Photopatterned Thiol Surfaces for Biomolecule Immobilization. Langmuir, 2009, 25, 12275-12282.	1.6	33
1194	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
1195	Heads <i>and </i> Tails: Simultaneous Exposed and Buried Interface Imaging of Monolayers. ACS Nano, 2009, 3, 3115-3121.	<b>7.</b> 3	49
1196	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
1197	Double-Tagging Polymerase Chain Reaction with a Thiolated Primer and Electrochemical Genosensing based on Gold Nanocomposite Sensor for Food Safety. Analytical Chemistry, 2009, 81, 1332-1339.	3.2	60
1198	SAMs on Gold Derived from the Direct Adsorption of Alkanethioacetates Are Inferior to Those Derived from the Direct Adsorption of Alkanethiols. Langmuir, 2009, 25, 1265-1271.	1.6	75
1199	Cis–trans conversion of the CH3S–Au–SCH3 complex on Au(111). Physical Chemistry Chemical Physics, 2009, 11, 8601.	1.3	20
1200	Self-assembled dithiothreitol on Au surfaces for biological applications: phospholipid bilayer formation. Physical Chemistry Chemical Physics, 2009, 11, 1077-1084.	1.3	46
1201	3-Mercapto-1-propanesulfonic acid and Bis(3-sulfopropyl) Disulfide Adsorbed on Au(111): In Situ Scanning Tunneling Microscopy and Electrochemical Studies. Langmuir, 2009, 25, 179-184.	1.6	25
1202	Self-Assembled Monolayers with Molecular Gradients. , 2009, , 63-79.		0
1203	Biomaterial surface patterning of self-assembled monolayers for controlling neuronal cell behaviour. International Journal of Biomedical Engineering and Technology, 2009, 2, 104.	0.2	25
1208	Nanofabrication of Nonfouling Surfaces for Micropatterning of Cell and Microtissue. Molecules, 2010, 15, 5525-5546.	1.7	27
1209	A Reusable Capacitive Immunosensor Based on a CuS Ultrathin Film Constructed by Using a Surface Sol-Gel Technique. Analytical Sciences, 2010, 26, 1001-1006.	0.8	10
1211	Structural Rearrangements in Self-Assembled Surfactant Layers at Surfaces. Journal of Physical Chemistry B, 2010, 114, 3847-3854.	1.2	9
1212	Ordered Semiconducting Self-Assembled Monolayers on Polymeric Surfaces Utilized in Organic Integrated Circuits. Nano Letters, 2010, 10, 1998-2002.	4.5	37
1213	Surface Patterning Using Self Assembled Monolayers (SAMs). ACS Symposium Series, 2010, , 65-107.	0.5	5

#	Article	IF	CITATIONS
1214	DNAâ€Functionalized Carbon Nanotubes: Synthesis, Selfâ€Assembly, and Applications. Israel Journal of Chemistry, 2010, 50, 277-290.	1.0	15
1215	Electrochemical surface nanopatterning by selective reductive desorption from mixed metal surfaces. Electrochimica Acta, 2010, 55, 4309-4313.	2.6	2
1216	Potential-assisted deposition of mixed alkanethiol self-assembled monolayers. Electrochimica Acta, 2010, 55, 2712-2720.	2.6	33
1217	Exchange versus intercalation of n-dodecanethiol monolayers on copper in the presence of n-dodecaneselenol and vice versa. Applied Surface Science, 2010, 256, 2968-2973.	3.1	13
1218	The application of polythiol molecules for protein immobilisation on sensor surfaces. Biosensors and Bioelectronics, 2010, 25, 1049-1055.	<b>5.</b> 3	30
1219	Synthesis of 6-thio pseudo glycolipids and their orientation on a gold slide studied by IRRAS. Carbohydrate Research, 2010, 345, 2723-2730.	1.1	7
1220	Silicon Based Nanocoatings on Metal Alloys and Their Role in Surface Engineering. Silicon, 2010, 2, 117-151.	1.8	18
1221	Electrochemical detection of a Vibrio parahaemolyticus sequence-specific gene based on a gold electrode modified with a single stranded probe. Science China Chemistry, 2010, 53, 1366-1370.	4.2	5
1222	DNA self-assembly: prospectus and its future application. Journal of Materials Science, 2010, 45, 2543-2552.	1.7	6
1223	Electronic Microsystems for Handling of Rare Cells. IEEE Transactions on Electron Devices, 2010, 57, 244-255.	1.6	6
1224	Study on surface acidâ€base property of carboxylic acidâ€terminated selfâ€assembled monolayers by cyclic voltammetry and electrochemical impedance spectroscopy. Chinese Journal of Chemistry, 2000, 18, 863-867.	2.6	3
1225	Interfacial Systems Chemistry: Out of the Vacuumâ€"Through the Liquidâ€"Into the Cell. ChemPhysChem, 2010, 11, 3201-3213.	1.0	24
1226	Synthesis, Electrochemical Behavior, and Self-Assembly of Metallocene-Functionalized Thiofluorenes. European Journal of Inorganic Chemistry, 2010, 2010, 3952-3960.	1.0	4
1227	A Comparative Study of Modifying Gold and Carbon Electrode with 4â€Sulfophenyl Diazonium Salt. Electroanalysis, 2010, 22, 1283-1289.	1.5	39
1228	Stabilized Lipid Films in Electrochemical Biosensors. Electroanalysis, 2010, 22, 2747-2763.	1.5	21
1229	Functional Nanostructured Plasmonic Materials. Advanced Materials, 2010, 22, 1102-1110.	11.1	109
1231	Surface Chemistry and Cell Biological Tools for the Analysis of Cell Adhesion and Migration. ChemBioChem, 2010, 11, 745-753.	1.3	33
1232	COOH-terminated SAMs on gold fabricated from an azobenzene derivative with a 1,2-dithiolane headgroup. Applied Surface Science, 2010, 256, 1832-1836.	3.1	11

#	Article	IF	CITATIONS
1233	Passivation of aluminum with alkyl phosphonic acids for biochip applications. Applied Surface Science, 2010, 256, 7146-7150.	3.1	32
1234	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
1235	Ligand-stabilized metal nanoparticles in organic solvent. Journal of Colloid and Interface Science, 2010, 341, 333-352.	5.0	59
1236	Investigation of shape controlled silver nanoplates by a solvothermal process. Journal of Colloid and Interface Science, 2010, 342, 8-17.	5.0	28
1237	Surface and antimicrobial properties of semi-fluorinated quaternary ammonium thiol surfactants potentially usable for Self-Assembled Monolayers. Journal of Fluorine Chemistry, 2010, 131, 592-596.	0.9	17
1238	Reduction of 3T3 fibroblast adhesion on SS316L by methyl-terminated SAMs. Materials Science and Engineering C, 2010, 30, 1157-1161.	3.8	8
1239	Cage molecules for self-assembly. Materials Science and Engineering Reports, 2010, 70, 188-208.	14.8	66
1240	Thermal stability of diazonium derived and thiol-derived layers on gold for application in genosensors. Electrochemistry Communications, 2010, 12, 1045-1048.	2.3	54
1241	Covalent attachment of pyridine-type molecules to glassy carbon surfaces by electrochemical reduction of in situ generated diazonium salts. Formation of ruthenium complexes on ligand-modified surfaces. Electrochimica Acta, 2010, 55, 7000-7009.	2.6	36
1242	Synthesis of dihydroindolizines for potential photoinduced work function alteration. Tetrahedron Letters, 2010, 51, 6839-6842.	0.7	13
1243	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
1244	Structure and self-assembly of sequentially adsorbed coronene/octanethiol monolayers. Surface Science, 2010, 604, 1584-1590.	0.8	15
1245	Self-assembled bilayers based on organothiol and organotrimethoxysilane on zinc platform. Applied Surface Science, 2010, 256, 7131-7137.	3.1	14
1246	Electrochemistry of redox-active self-assembled monolayers. Coordination Chemistry Reviews, 2010, 254, 1769-1802.	9.5	489
1247	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
1248	Binding of $\hat{i}^2$ -secretase to a peptide inhibitor-carrying SAM. Colloids and Surfaces B: Biointerfaces, 2010, 78, 155-162.	2.5	2
1249	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
1250	Efficient electronic coupling and improved stability with dithiocarbamate-based molecular junctions. Nature Nanotechnology, 2010, 5, 618-624.	15.6	105

#	Article	IF	CITATIONS
1252	Distinct Catalytic Effect of Micellar Solution of Sodium Dodecyl Sulfate (SDS) for One-Pot Conversion of Alkyl Halides to Disulfides via an Odourless Process Using Thiourea and MnO2. Bulletin of the Chemical Society of Japan, 2010, 83, 698-702.	2.0	17
1253	Gold Nanoparticles Bearing an α-Lipoic Acid-based Ligand Shell: Synthesis, Model Complexes and Studies Concerning Phosphorescent Platinum(II)-Functionalisation. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2010, 65, 1089-1096.	0.3	7
1254	Impact of Metal-Organic Interface on the Growth Mechanism and Magnetic Properties of Permalloy (Fe: Ni) Films Sputtered on Self-Assembled Monolayers of Polar and Nonpolar Molecules. Key Engineering Materials, 2010, 442, 158-163.	0.4	0
1255	Efficient Two-Step Synthesis of $11,11\hat{a}\in^2$ -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
1256	Electrochemical Characterization of Mixed Self-Assembled Films of Water-Soluble Single-Walled Carbon Nanotube-Poly(m-aminobenzene sulfonic acid) and Iron(II) Tetrasulfophthalocyanine. Journal of the Electrochemical Society, 2010, 157, F159.	1.3	15
1257	Modulation of Acoustic Coupling by Photo-Oxidation of Self-Assembled Monolayers. Analytical Letters, 2010, 43, 1801-1811.	1.0	2
1258	Fabrication of quantum dots using multicoated self-assembled monolayer. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2010, 28, 730-734.	0.9	1
1259	Self-Assembled Monolayers as Dynamic Model Substrates for Cell Biology. Advances in Polymer Science, 2010, , 103-134.	0.4	3
1260	Alkanethiol Self-Assembled Monolayers Formed on Silicon Substrates. Japanese Journal of Applied Physics, 2010, 49, 01AE09.	0.8	12
1261	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
1262	Ferrocene and Maleimide-Functionalized Disulfide Scaffolds for Self-Assembled Monolayers on Gold. Organic Letters, 2010, 12, 3372-3375.	2.4	16
1263	Surface engineering for high performance organic electronic devices: the chemical approach. Journal of Materials Chemistry, 2010, 20, 2513.	6.7	133
1264	Nanogap Dielectric Spectroscopy for Aptamer-Based Protein Detection. Biophysical Journal, 2010, 98, 724-732.	0.2	33
1265	A Tripod Molecular Tip for Single Molecule Ligandâ^'Receptor Force Spectroscopy by AFM. Langmuir, 2010, 26, 7117-7125.	1.6	22
1266	Comparison of Chemical Lithography Using Alkanethiolate Self-Assembled Monolayers on GaAs (001) and Au. Langmuir, 2010, 26, 4523-4528.	1.6	14
1267	Regulation of Local Structure and Composition of Binary Disulfide and Thiol Self-Assembled Monolayers Using Nanografting. ACS Nano, 2010, 4, 6863-6873.	7.3	24
1268	Subsecond Self-Assembled Monolayer Formation. Journal of Physical Chemistry C, 2010, 114, 19373-19377.	1.5	3
1269	A Multilayered Approach to Complex Surface Patterning. Langmuir, 2010, 26, 3731-3738.	1.6	11

#	ARTICLE	IF	CITATIONS
1270	Surface Chemistry for Stable and Smart Molecular and Biomolecular Interfaces via Photochemical Grafting of Alkenes. Accounts of Chemical Research, 2010, 43, 1205-1215.	7.6	51
1271	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
1272	Mercury-Mediated Attachment of Metal-Sandwich-Based Altitudinal Molecular Rotors to Gold Surfaces. Journal of Physical Chemistry C, 2010, 114, 14050-14060.	1.5	16
1273	Self-Assembled Monolayers of Double-Chain Disulfides of Adenine on Au: An IR-UV Sum-Frequency Generation Spectroscopic Study. Langmuir, 2010, 26, 389-396.	1.6	7
1274	Molecular Friction as a Tool to Identify Functionalized Alkanethiols. Langmuir, 2010, 26, 6357-6366.	1.6	27
1275	Control of Human Cytochrome P450 2E1 Electrocatalytic Response as a Result of Unique Orientation on Gold Electrodes. Analytical Chemistry, 2010, 82, 5357-5362.	3.2	60
1276	Mass Spectrometry of Ligand Exchange Chelation of the Nanoparticle [Au <sub>25</sub> (SCH <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>5</sub> ) <sub>18</sub> 1 by CH <sub>3</sub> C <sub>6</sub> H <sub>3</sub> Coiety, 2010, 132, 17193-17198.	â^'	40
1277	Molecular Simulation Studies on the Elongation of Gold Nanowires in Benzenedithiol. Journal of Physical Chemistry C, 2010, 114, 10365-10372.	1.5	22
1278	Revealing Different Bonding Modes of Self-Assembled Octadecylphosphonic Acid Monolayers on Oxides by Time-of-Flight Secondary Ion Mass Spectrometry: Silicon vs Aluminum. Analytical Chemistry, 2010, 82, 3371-3376.	3.2	42
1279	Self-Assembled Nanolayers of Conjugated Silane with Ï€â^'Ï€ Interlocking. ACS Nano, 2010, 4, 3773-3780.	7.3	18
1280	Can Cyclopropyl-Terminated Self-Assembled Monolayers on Gold Be Used to Mimic the Surface of Polyethylene?. ACS Applied Materials & Samp; Interfaces, 2010, 2, 1254-1265.	4.0	6
1281	Electrooxidation of [(η5-C5H5)Fe(CO)2]2 As a Probe of the Nucleophilic Properties of Ionic Liquid Anions. Inorganic Chemistry, 2010, 49, 2502-2511.	1.9	12
1282	Fabrication, Characterization, and Electrical Properties of Langmuirâ^'Blodgett Films of an Acid Terminated Phenyleneâ^'Ethynylene Oligomer. Chemistry of Materials, 2010, 22, 2041-2049.	3.2	25
1283	Simultaneous Optimization of Monolayer Formation Factors, Including Temperature, To Significantly Improve Nucleic Acid Hybridization Efficiency on Gold Substrates. Langmuir, 2010, 26, 5655-5660.	1.6	3
1284	Structural Analysis of HS(CD2)12(Oâ^'CH2â^'CH2)6OCH3 Monolayers on Gold by Means of Polarization Modulation Infrared Reflection Absorption Spectroscopy. Progress of the Reaction with Bromine. Langmuir, 2010, 26, 362-370.	1.6	18
1285	Molecular Dynamics Study of Naturally Occurring Defects in Self-Assembled Monolayer Formation. ACS Nano, 2010, 4, 921-932.	7.3	37
1286	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
1287	Oligomeric Goldâ^'Thiolate Units Define the Properties of the Molecular Junction between Gold and Benzene Dithiols. Journal of Physical Chemistry Letters, 2010, 1, 1528-1532.	2.1	43

#	Article	IF	CITATIONS
1288	Hydrogel Nanofilms for Biomedical Applications: Synthesis via Polycondensation Reactions. Macromolecular Bioscience, 2010, 10, 1093-1105.	2.1	6
1289	Facile Gold-Coated Maghemite Nanoparticles Fabrication. International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, , .	0.0	0
1290	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
1291	A magnetic microchip for controlled transport of attomole levels of proteins. Lab on A Chip, 2010, 10, 654-661.	3.1	34
1292	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
1293	Comparative electrochemical and impedance studies of self-assembled rigid-rod molecular wires and alkanethiols on gold substrates. Physical Chemistry Chemical Physics, 2010, 12, 14804.	1.3	15
1294	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
1295	Holey nanosheets by patterning with UV/ozone. Physical Chemistry Chemical Physics, 2010, 12, 4324.	1.3	13
1296	A divergent synthesis of oligoarylalkanethiols with Lewis-basic N-donor termini. Organic and Biomolecular Chemistry, 2010, 8, 3552.	1.5	32
1297	Near-Metallic Behavior of Warm Holoferritin Molecules on a Gold(111) Surface. Langmuir, 2010, 26, 16005-16012.	1.6	20
1298	Electron transfer dynamics across self-assembled N-(2-mercaptoethyl) octadecanamide/mycolic acid layers: impedimetric insights into the structural integrity and interaction with anti-mycolic acid antibodies. Physical Chemistry Chemical Physics, 2010, 12, 345-357.	1.3	39
1299	Large area nanopatterning of alkylphosphonate self-assembled monolayers on titanium oxide surfaces by interferometric lithography. Nanoscale, 2011, 3, 2511.	2.8	18
1300	High-Temperature Adsorption of $\langle i \rangle p \langle  i \rangle$ -Terphenylthiol on Au(111) Surfaces. Journal of Physical Chemistry C, 2011, 115, 14899-14906.	1.5	22
1301	Synergy of glutathione, dithiothreitol and N-acetyl-l-cysteine self-assembled monolayers for electrochemical assay: sensitive determination of arsenic(iii) in environmental and drinking water. Analyst, The, 2011, 136, 4526.	1.7	46
1302	Simple, robust molecular self-assembly on germanium. Chemical Science, 2011, 2, 1334.	3.7	24
1303	Gold oxide as a protecting group for regioselective surface chemistry. Chemical Communications, 2011, 47, 12550.	2.2	7
1304	Immobilization of a Human Epidermal Growth Factor Receptor 2 Mimotope-Derived Synthetic Peptide on Au and Its Potential Application for Detection of Herceptin in Human Serum by Quartz Crystal Microbalance. Analytical Chemistry, 2011, 83, 8928-8936.	3.2	21
1305	Preparation of Different Poly 3-Alkylthiophene Ultrathin Films at the Surface of Chemically Adsorbed Monolayer Having Thienyl Group. Journal of Dispersion Science and Technology, 2011, 32, 439-446.	1.3	1

#	ARTICLE	IF	Citations
1306	DNA Nanotechnology. Methods in Molecular Biology, 2011, , .	0.4	8
1307	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
1308	Scalable synthesis of self-assembling nanoparticle clusters based on controlled steric interactions. Soft Matter, 2011, 7, 5339.	1.2	45
1309	Multidentate Adsorbates for Self-Assembled Monolayer Films. Accounts of Chemical Research, 2011, 44, 511-519.	7.6	144
1310	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
1311	Polymer-Binding Peptides for the Noncovalent Modification of Polymer Surfaces: Effects of Peptide Density on the Subsequent Immobilization of Functional Proteins. ACS Applied Materials & Density on the Subsequent Immobilization of Functional Proteins. ACS Applied Materials & Density on the Subsequent Interfaces, 2011, 3, 351-359.	4.0	38
1312	Physical Structure of Standing-Up Aromatic SAMs Revealed by Scanning Tunneling Microscopy. Langmuir, 2011, 27, 13544-13553.	1.6	10
1313	Orientational Control over Nitrite Reductase on Modified Gold Electrode and Its Effects on the Interfacial Electron Transfer. Journal of Physical Chemistry B, 2011, 115, 12607-12614.	1.2	25
1314	Self-Assembled Functional Organic Monolayers on Oxide-Free Copper. Langmuir, 2011, 27, 8126-8133.	1.6	16
1315	Solution-Phase Desorption of Self-Assembled Monolayers on Gold Derived From Terminally Perfluorinated Alkanethiols. Journal of Physical Chemistry C, 2011, 115, 19749-19760.	1.5	17
1316	Self-Assembly of Alkylthiosulfates on Gold: Role of Electrolyte and Trace Water in the Solvent. Langmuir, 2011, 27, 9028-9033.	1.6	7
1317	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
1318	Surface Barrier Properties of Self-Assembled Monolayers as Deduced by Sum Frequency Generation Spectroscopy and Electrochemistry. Journal of Physical Chemistry C, 2011, 115, 19178-19189.	1.5	27
1319	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
1320	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
1321	Tuning Band Gap of Holoferritin by Metal Core Reconstitution with Cu, Co, and Mn. Langmuir, 2011, 27, 9681-9686.	1.6	21
1322	Molecular Interactions of Electroadsorbed Carboxylic Acid and Succinic Anhydride Monomers on Zinc Surfaces. Journal of Physical Chemistry C, 2011, 115, 17054-17067.	1.5	33
1323	Nanoscale Patterning of Solid-Supported Membranes by Integrated Diffusion Barriers. Langmuir, 2011, 27, 7008-7015.	1.6	21

#	Article	IF	CITATIONS
1324	Chemical Imaging and Distribution Analysis of Mono-, Bi-, and Tridentate Alkanethiol Self-Assembled Monolayers on Gold by Sum Frequency Generation Imaging Microscopy. Journal of Physical Chemistry C, 2011, 115, 4688-4695.	1.5	21
1325	Controlling the Properties of Self-Assembled Monolayers by Substrate Curvatureâ€. Langmuir, 2011, 27, 1246-1250.	1.6	46
1326	Direct Route to Well-Defined, Chemically Diverse Electrode Arrays. Langmuir, 2011, 27, 3219-3223.	1.6	7
1327	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
1328	Simulation and Modeling of Self-Assembled Monolayers of Carboxylic Acid Thiols on Flat and Nanoparticle Gold Surfaces. Analytical Chemistry, 2011, 83, 6704-6712.	3.2	73
1329	Electric-field effects on the interfacial electron transfer and protein dynamics of cytochrome c. Journal of Electroanalytical Chemistry, 2011, 660, 367-376.	1.9	38
1330	Directing Substrate Morphology via Self-Assembly: Ligand-Mediated Scission of Gallium–Indium Microspheres to the Nanoscale. Nano Letters, 2011, 11, 5104-5110.	4.5	260
1331	Electrochemical charge transfer mediated by metal nanoparticles and quantum dots. Physical Chemistry Chemical Physics, 2011, 13, 21175.	1.3	65
1332	Electrostatics at the nanoscale. Nanoscale, 2011, 3, 1316-1344.	2.8	222
1333	Surface Modification to Improve Biocompatibility., 2011,, 65-81.		3
1333 1334	Surface Modification to Improve Biocompatibility., 2011, , 65-81.  Selective Electroless Deposition of Copper on Organic Thin Films with Improved Morphology. Langmuir, 2011, 27, 13022-13028.	1.6	23
	Selective Electroless Deposition of Copper on Organic Thin Films with Improved Morphology.	1.6	
1334	Selective Electroless Deposition of Copper on Organic Thin Films with Improved Morphology. Langmuir, 2011, 27, 13022-13028.  Immobilization of bio-macromolecules on self-assembled monolayers: methods and sensor		23
1334 1335	Selective Electroless Deposition of Copper on Organic Thin Films with Improved Morphology. Langmuir, 2011, 27, 13022-13028.  Immobilization of bio-macromolecules on self-assembled monolayers: methods and sensor applications. Chemical Society Reviews, 2011, 40, 2567.  Nanoengineering the Heart: Conductive Scaffolds Enhance Connexin 43 Expression. Nano Letters, 2011,	18.7	23 358
1334 1335 1336	Selective Electroless Deposition of Copper on Organic Thin Films with Improved Morphology. Langmuir, 2011, 27, 13022-13028.  Immobilization of bio-macromolecules on self-assembled monolayers: methods and sensor applications. Chemical Society Reviews, 2011, 40, 2567.  Nanoengineering the Heart: Conductive Scaffolds Enhance Connexin 43 Expression. Nano Letters, 2011, 11, 3643-3648.  X-ray photoelectron spectroscopy characterization of gold nanoparticles functionalized with	18.7	23 358 264
1334 1335 1336	Selective Electroless Deposition of Copper on Organic Thin Films with Improved Morphology. Langmuir, 2011, 27, 13022-13028.  Immobilization of bio-macromolecules on self-assembled monolayers: methods and sensor applications. Chemical Society Reviews, 2011, 40, 2567.  Nanoengineering the Heart: Conductive Scaffolds Enhance Connexin 43 Expression. Nano Letters, 2011, 11, 3643-3648.  X-ray photoelectron spectroscopy characterization of gold nanoparticles functionalized with amine-terminated alkanethiols. Biointerphases, 2011, 6, 98-104.  Formation Process and Solvent-Dependent Structure of a Polyproline Self-Assembled Monolayer on a	18.7 4.5 0.6	23 358 264 70
1334 1335 1336 1337	Selective Electroless Deposition of Copper on Organic Thin Films with Improved Morphology. Langmuir, 2011, 27, 13022-13028.  Immobilization of bio-macromolecules on self-assembled monolayers: methods and sensor applications. Chemical Society Reviews, 2011, 40, 2567.  Nanoengineering the Heart: Conductive Scaffolds Enhance Connexin 43 Expression. Nano Letters, 2011, 11, 3643-3648.  X-ray photoelectron spectroscopy characterization of gold nanoparticles functionalized with amine-terminated alkanethiols. Biointerphases, 2011, 6, 98-104.  Formation Process and Solvent-Dependent Structure of a Polyproline Self-Assembled Monolayer on a Gold Surface. Langmuir, 2011, 27, 11951-11957.  A Gold Nanoparticle Platform for Protein–Protein Interactions and Drug Discovery. ACS Applied	18.7 4.5 0.6	23 358 264 70

#	Article	IF	Citations
1343	Chemically well-defined self-assembled monolayers for cell culture: toward mimicking the natural ECM. Soft Matter, 2011, 7, 9561.	1.2	66
1345	Dynamic Double Lattice of 1-Adamantaneselenolate Self-Assembled Monolayers on Au{111}. Journal of the American Chemical Society, 2011, 133, 19422-19431.	6.6	25
1346	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
1347	Molecular Monolayers as Semiconducting Channels in Field Effect Transistors. Topics in Current Chemistry, 2011, 312, 213-237.	4.0	9
1348	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
1349	Investigation of the Mechanism of Nickel Electroless Deposition on Functionalized Self-Assembled Monolayers. Langmuir, 2011, 27, 6932-6939.	1.6	21
1350	Electrochemically controlled self-assembled monolayers characterized with molecular and sub-molecular resolution. Physical Chemistry Chemical Physics, 2011, 13, 5526.	1.3	30
1352	Self-Assembled Monolayers of Disulfide Cu Porphyrins on Au Surfaces: Adsorption Induced Reduction and Demetalation. Langmuir, 2011, 27, 10714-10721.	1.6	22
1353	Molecular plasmonics: light meets molecules at the nanoscale. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 3483-3496.	1.6	35
1354	Photochemically Triggered Alkylthiol Reactions on Highly Ordered Pyrolytic Graphite. Journal of Physical Chemistry C, 2011, 115, 10196-10204.	1.5	12
1355	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
1356	New Protein Purification System Using Gold-Magnetic Beads and a Novel Peptide Tag, "the Methionine Tag― Bioconjugate Chemistry, 2011, 22, 887-893.	1.8	28
1357	An electrochemical immunosensor based on covalent immobilization of okadaic acid onto screen printed carbon electrode via diazotization-coupling reaction. Talanta, 2011, 85, 513-518.	2.9	67
1359	Silicon and Silicon-Related Surfaces for Biosensor Applications. , 2011, , .		0
1360	Triazolobithiophene Light Absorbing Self-Assembled Monolayers: Synthesis and Mass Spectrometry Applications. Molecules, 2011, 16, 8758-8774.	1.7	5
1361	Molecular Recognition Force Spectroscopy. , 2011, , 3-46.		1
1362	Tribological Properties of Self-Assembled Monolayers. , 2011, , 3-15.		2
1363	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

#	Article	IF	Citations
1364	Anti-biofouling properties of an amphoteric polymer brush constructed on a glass substrate. Colloids and Surfaces B: Biointerfaces, 2011, 88, 455-462.	2.5	44
1365	A rational approach in probe design for nucleic acid-based biosensing. Biosensors and Bioelectronics, 2011, 26, 4785-4790.	5.3	24
1366	Self-assembled monolayers (SAMs) of carboxylic acids: an overview. Open Chemistry, 2011, 9, 369-378.	1.0	70
1367	Differential stress induced by thiol adsorption on facetted nanocrystals. Nature Materials, 2011, 10, 862-866.	13.3	65
1368	Surface plasmon resonance biosensing based on target-responsive mobility switch of magnetic nanoparticles under magnetic fields. Journal of Materials Chemistry, 2011, 21, 5156.	6.7	30
1369	Chemically bonded carbon nanotubes on modified gold substrate as novel unbreakable solid phase microextraction fiber. Mikrochimica Acta, 2011, 174, 295-301.	2.5	53
1370	An unbreakable on-line approach towards sol–gel capillary microextraction. Journal of Chromatography A, 2011, 1218, 3952-3957.	1.8	36
1371	Surface anchoring of a chiral salen macrocycle on a carboxy $\hat{\mathbf{s}}$ -functionalized platform via a multiple site esterification. Surface and Interface Analysis, 2011, 43, 1095-1098.	0.8	1
1372	Thinâ€Filmâ€Based Nanoarchitectures for Soft Matter: Controlled Assemblies into Twoâ€Dimensional Worlds. Small, 2011, 7, 1288-1308.	<b>5.</b> 2	169
1373	Generation of Amphiphilic Janus Bubbles and Their Behavior at an Air–Water Interface. Advanced Functional Materials, 2011, 21, 3924-3931.	7.8	59
1374	Dynamic Aspects of Films Prepared by a Sequential Deposition of Species: Perspectives for Smart and Responsive Materials. Advanced Materials, 2011, 23, 1191-1221.	11.1	213
1375	Anodic Stripping Voltammetric Determination of Iron(II) at a Carbon Paste Electrode Modified with Dithiodianiline (DTDA) and Gold Nanoparticles (GNP). Electroanalysis, 2011, 23, 1345-1351.	1.5	31
1376	Fabrication and characterisation of self-assembled monolayers of N-[3-(trimethoxysilyl)propyl]diethylenetriamine on silica particles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 377, 20-27.	2.3	16
1377	Self-assembled monolayers of cyanoterphenyl terminated alkyl disulfides studied by vibrationally and electronically doubly-resonant sum-frequency generation spectroscopy. Chemical Physics Letters, 2011, 506, 190-195.	1.2	5
1378	Reversible potential-induced structural changes of alkanethiol monolayers on gold surfaces. Electrochemistry Communications, 2011, 13, 387-390.	2.3	29
1379	Molecular dynamics study of interfacial bonding strength of self-assembled monolayer-coated Au-epoxy and Au–Au systems. Applied Surface Science, 2011, 257, 8665-8674.	3.1	4
1380	Properties of thiolate monolayers formed on different amalgam electrodes. Journal of Electroanalytical Chemistry, 2011, 653, 7-13.	1.9	20
1381	Self-assembled monolayers of fluorene- and nitrofluorene-terminated thiols on polycrystalline gold electrode: Electrochemical and optical properties. Journal of Electroanalytical Chemistry, 2011, 654, 20-28.	1.9	14

#	Article	IF	Citations
1382	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
1383	An atomic force microscopy investigation on self-assembled peptide nucleic acid structures on gold(111) surface. Journal of Colloid and Interface Science, 2011, 360, 52-60.	5.0	17
1384	Self-assembly of gold nanoparticles on functional organic molecular crystals. Journal of Colloid and Interface Science, 2011, 360, 422-429.	5.0	4
1385	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
1386	Structural integrity of metal–polymer adhesive interfaces in microelectronics. , 2011, , 157-198.		10
1388	Structure Change of Chemically Adsorbed Monolayer Having Many Kinds of Alkyl Chain Lengths. Journal of Dispersion Science and Technology, 2011, 32, 407-414.	1.3	3
1389	Dynamic Assembly of Block-Copolymers. Topics in Current Chemistry, 2011, 322, 165-192.	4.0	13
1390	Nanoprecision algorithm for surface plasmon resonance determination from images with low contrast for improved sensor resolution. Journal of Nanophotonics, 2011, 5, 051813.	0.4	25
1391	Biomimetic Tailoring of the Surface Properties of Polymers at the Nanoscale: Medical Applications. Nanoscience and Technology, 2011, , 645-689.	1.5	2
1392	Electrical and Thermal Properties of Conducting Microbead Prepared by Green Electroless Plating Method Using Gold Nanoparticles. Journal of the Electrochemical Society, 2011, 158, D689.	1.3	13
1393	Effect of morphology of thin DNA films on the electron stimulated desorption of anions. Journal of Chemical Physics, 2011, 134, 015102.	1.2	14
1394	Nanomagnetic Arrays Formed with the Biomineralization Protein Mms6. Journal of Nano Research, 0, 17, 127-146.	0.8	18
1395	Communication: Scanning tunneling microscopy study of the reaction of octanethiolate self-assembled monolayers with atomic chlorine. Journal of Chemical Physics, 2012, 136, 141102.	1.2	4
1396	Electrochemical biosensors for medical applications. , 2012, , 3-40.		21
1398	Wide linear range nanomaterial/ionophore-based electrode used for determination of lead in environmental and biological samples with differential pulse voltammetry. International Journal of Environmental Analytical Chemistry, 2012, 92, 1013-1025.	1.8	3
1399	Improvement of Corrosion Resistance of Electroless Au/Ni-P Layer using Self-assembled Monolayers of 1-octadecanethiol. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2012, 63, 585.	0.1	2
1400	Inkjet-Printed Gold Electrodes on Paper: Characterization and Functionalization. ACS Applied Materials & Samp; Interfaces, 2012, 4, 955-964.	4.0	112
1401	Heteroaromatic azo compounds as efficient and recyclable reagents for direct conversion of aliphatic alcohols into symmetrical disulfides. Tetrahedron Letters, 2012, 53, 6913-6915.	0.7	12

#	Article	IF	CITATIONS
1402	Nanotechnology: Principles and Applications. Nanoscience and Technology, 2012, , 1-22.	1.5	11
1403	Phenylboronic Ester- and Phenylboronic Acid-Terminated Alkanethiols on Gold Surfaces. Journal of Physical Chemistry C, 2012, 116, 796-806.	1.5	12
1404	Nitro-Substituted Arene Sulfenyl Chlorides as Precursors to the Formation of Aromatic SAMs. Langmuir, 2012, 28, 15853-15863.	1.6	4
1405	SANS and SAXS Analysis of Charged Nanoparticle Adsorption at Oil–Water Interfaces. Langmuir, 2012, 28, 2493-2501.	1.6	45
1406	UV Photoactivated Room Temperature CVD of Aluminum on Functionalized Self-Assembled Monolayers Adsorbed on Au. Langmuir, 2012, 28, 16909-16916.	1.6	15
1407	Structural aspects of polyanion and hydrophobically modified polycation multilayers on hydrophilic or hydrophobic surfaces. Soft Matter, 2012, 8, 6462.	1.2	9
1408	Polymer brush with pendent glucosylurea groups constructed on a glass substrate by RAFT polymerization. European Polymer Journal, 2012, 48, 1875-1882.	2.6	19
1409	Simple and reproducible method of preparing transparent superhydrophobic glass. Thin Solid Films, 2012, 522, 159-163.	0.8	15
1411	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
1412	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
1413	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
1414	A trifunctional photopatterning component derived from cysteine: fabrication of a deposited silver micropattern. Journal of Materials Chemistry, 2012, 22, 3139.	6.7	5
1415	Transfer of inorganic thin films by soluble polymer layer for arbitrary surface coating. Soft Matter, 2012, 8, 937-941.	1.2	8
1416	Structural Investigations of the ( $5\tilde{A}$ — $\hat{a}$ ^ $\hat{s}$ 3) Striped Phase of Annealed 11-Phenoxy Undecanethiol Self-Assembled Monolayers on Au(111). Journal of Physical Chemistry C, 2012, 116, 6298-6306.	1.5	2
1417	Dithienylcyclopentene-functionalised subphthalocyaninatoboron complexes: Photochromism, luminescence modulation and formation of self-assembled monolayers on gold. Dalton Transactions, 2012, 41, 1553-1561.	1.6	10
1418	Design of patchy particles using ternary self-assembled monolayers. Soft Matter, 2012, 8, 6226.	1.2	38
1419	High-Density Amine-Terminated Monolayers Formed on Fluorinated CVD-Grown Graphene. Langmuir, 2012, 28, 7957-7961.	1.6	67
1420	Hydridosilane Modification of Metals: An Exploratory Study. Journal of Adhesion Science and Technology, 2012, 26, 41-54.	1.4	5

#	Article	IF	CITATIONS
1421	Self-Assembled Monolayers Made of 6-(5-((6-((5-hexylthiophen-2-yl)ethynyl)-9,10-bis(phenylethynyl)anthracen-2-yl)ethynyl)thiophen-2-yl)hexyl 3-(Triethoxysilyl)Propylcarbamate for Ultrathin Film Transistors. Langmuir, 2012, 28, 10948-10955.	1.6	7
1422	Inverse-Micelle-Encapsulated Water-Enabled Bond Breaking of Dialkyl Diselenide/Disulfide: A Critical Step for Synthesizing High-Quality Gold Nanoparticles. Journal of the American Chemical Society, 2012, 134, 17991-17996.	6.6	22
1423	A simple and feasible in-situ reduction route for preparation of graphene lubricant films applied to a variety of substrates. Journal of Materials Chemistry, 2012, 22, 8036.	6.7	62
1424	Ordered Self-Assembled Locked Nucleic Acid (LNA) Structures on Gold(111) Surface with Enhanced Single Base Mismatch Recognition Capability. Langmuir, 2012, 28, 4325-4333.	1.6	20
1425	Facile Approach to Grafting of Poly(2-oxazoline) Brushes on Macroscopic Surfaces and Applications Thereof. ACS Applied Materials & Samp; Interfaces, 2012, 4, 1357-1364.	4.0	28
1426	Coadsorption of Octanethiol and Dialkyldithiocarbamate on Au(111). Journal of Physical Chemistry C, 2012, 116, 1930-1934.	1.5	16
1427	Water Adsorption Isotherms on CH <sub>3</sub> -, OH-, and COOH-Terminated Organic Surfaces at Ambient Conditions Measured with PM-RAIRS. Langmuir, 2012, 28, 15263-15269.	1.6	30
1428	Carboranedithiols: Building Blocks for Self-Assembled Monolayers on Copper Surfaces. Langmuir, 2012, 28, 12518-12526.	1.6	19
1429	Self-Assembly of Poly(4-vynil- <i>N</i> -alkylpyridinium) Bromide onto Silica: Effect of Side-Chain Length on Structural Aspects at a Molecular Level. Journal of Physical Chemistry C, 2012, 116, 18284-18291.	1.5	4
1430	Carbon nanomembranes from self-assembled monolayers: Functional surfaces without bulk. Progress in Surface Science, 2012, 87, 108-162.	3.8	96
1431	Playing with Peptides: How to Build a Supramolecular Peptide Nanostructure by Exploiting Helix···Helix Macrodipole Interactions. Langmuir, 2012, 28, 2817-2826.	1.6	30
1432	Attaching Persistent Organic Free Radicals to Surfaces: How and Why. Chemical Reviews, 2012, 112, 2506-2527.	23.0	166
1433	The gold–sulfur interface at the nanoscale. Nature Chemistry, 2012, 4, 443-455.	6.6	1,418
1434	Quantum Tunneling Enabled Self-Assembly of Hydrogen Atoms on Cu(111). ACS Nano, 2012, 6, 10115-10121.	7.3	45
1435	Functionalized gold nanoparticle supported sensory mechanisms applied in detection of chemical and biological threat agents: A review. Analytica Chimica Acta, 2012, 715, 1-18.	2.6	185
1436	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
1437	The emerging role of click reactions in chemical and biological engineering. AICHE Journal, 2012, 58, 2952-2965.	1.8	26
1439	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

#	Article	IF	CITATIONS
1440	Measurements of the Potentials of Zero Free Charge and Zero Total Charge for 1-thio- $\hat{A}\pm$ b <i><math>\hat{A}^2</math></i> li>-D-glucose and DPTL Modified Au(111) Surface in Different Electrolyte Solutions. Zeitschrift Fur Physikalische Chemie, 2012, 226, 995-1009.	1.4	28
1442	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
1443	Synthesis of a series of 1,n′-disubstituted ferrocene derivatives containing disulfides. Inorganica Chimica Acta, 2012, 391, 195-200.	1.2	1
1445	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
1446	Chapter 15. Substrate Alignment with Scanning Probe Lithography. RSC Nanoscience and Nanotechnology, 2012, , 392-427.	0.2	0
1448	Processing and mechanical characterization of carbon nanotube reinforced syntactic foams. Journal of Reinforced Plastics and Composites, 2012, 31, 1045-1052.	1.6	26
1450	Carbohydrate-Based Label-Free Detection of <i>Escherichia coli</i> ORN 178 Using Electrochemical Impedance Spectroscopy. Analytical Chemistry, 2012, 84, 241-246.	3.2	128
1451	Molecular-Scale Surface Chemistry of a Common Metal Nanoparticle Capping Agent: Triphenylphosphine on Au(111). ACS Nano, 2012, 6, 3545-3552.	7.3	26
1452	Adsorption behaviour of sulfur containing polymers to gold surfaces using QCM-D. Soft Matter, 2012, 8, 118-128.	1.2	65
1455	On-Surface Assembly of Coiled-Coil Heterodimers. Langmuir, 2012, 28, 13877-13882.	1.6	7
1456	Detection of Non-Amplified Genomic DNA. Soft and Biological Matter, 2012, , .	0.3	11
1457	Kelvin Probe Force Microscopy in Nonpolar Liquids. Langmuir, 2012, 28, 13892-13899.	1.6	35
1458	Carbon Nanotubes as Platforms for Biosensors with Electrochemical and Electronic Transduction. Springer Theses, 2012, , .	0.0	19
1460	The rise of selfâ€assembled monolayers for fabricating electrochemical biosensors—an interfacial perspective. Chemical Record, 2012, 12, 92-105.	2.9	62
1461	Fundamentals and application of ordered molecular assemblies to affinity biosensing. Chemical Society Reviews, 2012, 41, 1363-1402.	18.7	94
1462	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
1463	Immobilization of galactose oxidase on selfâ€assembled monolayers of thiols on Au and Ag surfaces. Journal of Raman Spectroscopy, 2012, 43, 959-962.	1.2	5
1464	Metal Nanoparticles for Molecular Plasmonics. International Journal of Behavioral and Consultation Therapy, 2012, , 1-37.	0.4	5

#	Article	IF	CITATIONS
1465	Effect of Headâ€Group Chemistry on Surfaceâ€Mediated Molecular Selfâ€Assembly. Chemistry - A European Journal, 2012, 18, 7169-7178.	1.7	24
1466	A Dielectric Model of Self-Assembled Monolayer Interfaces by Capacitive Spectroscopy. Langmuir, 2012, 28, 9689-9699.	1.6	79
1467	Surface Coating as a Key Parameter in Engineering Neuronal Network Structures In Vitro. Biointerphases, 2012, 7, 29.	0.6	43
1468	Nucleic acid-based diagnostics for infectious diseases in public health affairs. Frontiers of Medicine, 2012, 6, 173-186.	1.5	33
1469	A amperometric biosensor for hydrogen peroxide by adsorption of horseradish peroxidase onto single-walled carbon nanotubes. Colloids and Surfaces B: Biointerfaces, 2012, 90, 62-67.	2.5	41
1470	Binding of $\hat{l}^2$ -amyloid to sulfated sugar residues in a polymer brush. Colloids and Surfaces B: Biointerfaces, 2012, 93, 219-225.	2.5	11
1471	Carboxymethylbetaine copolymer layer covalently fixed to a glass substrate. Colloids and Surfaces B: Biointerfaces, 2012, 94, 107-113.	2.5	17
1472	Influence of the nature of the polycation on the adsorption kinetics and on exchange processes in polyelectrolyte multilayer films. Journal of Colloid and Interface Science, 2012, 366, 96-104.	5.0	9
1473	Revisiting the determination of full steady-state coverage of redox centers on self-assembled monolayers. Electrochemistry Communications, 2012, 16, 6-9.	2.3	15
1474	Electrochemistry of methylene blue at an alkanethiol modified electrode. Electrochimica Acta, 2012, 75, 387-392.	2.6	16
1475	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
1476	Functional gold nanorod particles on conducting polymer poly(3-octylthiophene) as non-enzymatic glucose sensor. Reactive and Functional Polymers, 2012, 72, 127-132.	2.0	45
1477	Layerâ€byâ€Layer Assembly Through Weak Interactions and Their Biomedical Applications. Advanced Materials, 2012, 24, 454-474.	11.1	155
1478	Surface-attached sensors for cation and anion recognition. Analytical and Bioanalytical Chemistry, 2012, 402, 1739-1748.	1.9	37
1479	Local control of protein binding and cell adhesion by patterned organic thin films. Analytical and Bioanalytical Chemistry, 2013, 405, 3673-3691.	1.9	14
1480	Preparation of Transparent Superhydrophobic Glass Slides: Demonstration of Surface Chemistry Characteristics. Journal of Chemical Education, 2013, 90, 1203-1206.	1.1	54
1481	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
1482	Nanomaterial processing using self-assembly-bottom-up chemical and biological approaches. Reports on Progress in Physics, 2013, 76, 066501.	8.1	114

#	Article	IF	CITATIONS
1484	Toward Fast and Quantitative Modification of Large Gold Nanoparticles by Thiolated DNA: Scaling of Nanoscale Forces, Kinetics, and the Need for Thiol Reduction. Journal of Physical Chemistry C, 2013, 117, 15677-15684.	1.5	55
1486	Development of silicon-based electrochemical transducers. Analytical Methods, 2013, 5, 5464.	1.3	5
1487	Photocatalytic Nanolithography of Self-Assembled Monolayers and Proteins. ACS Nano, 2013, 7, 7610-7618.	7.3	25
1488	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
1489	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
1490	Defining and Using Very Small Crystals. , 2013, , 343-369.		6
1491	The impact of fluorination on the structure and properties of self-assembled monolayer films. Soft Matter, 2013, 9, 6356.	1.2	58
1492	Enhancing On-Surface Mismatch Discrimination Capability of PNA Probes by AuNP Modification of Gold(111) Surface. Langmuir, 2013, 29, 11982-11990.	1.6	13
1494	Alignment of benzene thin films on self-assembled monolayers by surface templating. Surface Science, 2013, 609, 177-182.	0.8	6
1495	DNA ORIGAMI SITE-SPECIFIC ARRANGEMENT OF GOLD NANOPARTICLES. Nano, 2013, 08, 1350064.	0.5	2
1496	Development of immobilized cellulase through functionalized gold nano-particles for glucose production by continuous hydrolysis of waste bamboo chopsticks. Enzyme and Microbial Technology, 2013, 53, 444-451.	1.6	19
1497	Aptamer-gold nanoparticle-based colorimetric assay for the sensitive detection of thrombin. Sensors and Actuators B: Chemical, 2013, 177, 818-825.	4.0	70
1498	Effect of charged microenvironment on the electrochemistry of [Fe2S2(OC6H5)4]2â^' cluster. Journal of Chemical Sciences, 2013, 125, 1429-1434.	0.7	1
1499	Fabrication of molecular nanopatterns at aluminium oxide surfaces by nanoshaving of self-assembled monolayers of alkylphosphonates. Nanoscale, 2013, 5, 11125.	2.8	25
1500	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
1501	Time-of-Flight-Secondary Ion Mass Spectrometry and Cyclic Voltammetry Studies of Self-Assembly of Dodecanethiol on a Nanoporous Gold Surface. Analytical Chemistry, 2013, 85, 3334-3339.	3.2	4
1502	Facile fabrication of superhydrophobic poly(methyl methacrylate) substrates using ultrasonic imprinting. Journal of Micromechanics and Microengineering, 2013, 23, 055019.	1.5	20
1503	Creation and control of defined protein patterns on glass: alkyl chain length controls stability. RSC Advances, 2013, 3, 8826.	1.7	0

#	Article	IF	CITATIONS
1504	Confirmation of the coexistence of two tautomers of 2-mercaptothiazoline on the $Ge(100)$ surface. Physical Chemistry Chemical Physics, 2013, 15, 16594.	1.3	5
1505	The intriguing reaction of aromatic sulfonyl phthalimides with gold surfaces. Physical Chemistry Chemical Physics, 2013, 15, 348-357.	1.3	6
1506	Stereoselective interaction between hemoglobin and penicillamine enantiomers modified chiral surfaces. Analytical Methods, 2013, 5, 1312.	1.3	8
1507	Electrical Properties of Two-Dimensional Gold Nanoparticle–Alkanethiol Networks Formed on Plastic Microbeads. Journal of the Electrochemical Society, 2013, 160, H630-H635.	1.3	12
1508	A self-heated silicon nanowire array: selective surface modification with catalytic nanoparticles by nanoscale Joule heating and its gas sensing applications. Nanoscale, 2013, 5, 6851.	2.8	50
1509	Selfâ€Assembled Monolayers with Dynamicity Stemming from (Bio)Chemical Conversions: From Construction to Application. ChemPhysChem, 2013, 14, 55-69.	1.0	25
1510	Development of optical immunosensors for detection of proteins in serum. Talanta, 2013, 103, 260-266.	2.9	17
1511	Electrochemical impedance spectroscopy: an overview of bioanalytical applications. Analytical Methods, 2013, 5, 1098.	1.3	504
1512	From the bottom up: dimensional control and characterization in molecular monolayers. Chemical Society Reviews, 2013, 42, 2725-2745.	18.7	153
1513	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.	6.6	93
1514	Colorimetric Enantiorecognition of Oligopeptide and Logic Gate Construction Based on DNA Aptamer–Ligand–Gold Nanoparticle Interactions. Chemistry - A European Journal, 2013, 19, 479-483.	1.7	23
1515	Study of the Scale Formation Mechanism on Gold Modified with an Alkanethiol Monolayer. Langmuir, 2013, 29, 1395-1399.	1.6	1
1516	Mid-infrared characterization of thiophene-based thin polymer films. Displays, 2013, 34, 399-405.	2.0	36
1517	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
1518	Different fate of cancer cells on several chemical functional groups. Surface and Coatings Technology, 2013, 228, S48-S54.	2.2	10
1519	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
1520	Nitroxyl radical self-assembled monolayers: Generalized lateral interactions model used with binary electrolyte mixture. Electrochemistry Communications, 2013, 28, 122-126.	2.3	4
1521	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

#	Article	IF	CITATIONS
1522	Interlocked host molecules for anion recognition and sensing. Coordination Chemistry Reviews, 2013, 257, 2434-2455.	9.5	138
1523	Electrochemical grafting of long spacer arms of hexamethyldiamine on a screen printed carbon electrode surface: application in target induced ochratoxin A electrochemical aptasensor. Analyst, The, 2013, 138, 2951.	1.7	38
1524	Modeling of Protected Nanoparticles. Nanostructure Science and Technology, 2013, , 275-304.	0.1	0
1526	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
1527	Thermal Functionalization of GaN Surfaces with 1-Alkenes. Langmuir, 2013, 29, 6296-6301.	1.6	11
1528	Gelatinase., 2013,, 836-836.		0
1529	Substrate-induced self-assembly of donor–acceptor type compounds with terminal thiocarbonyl groups. Thin Solid Films, 2013, 539, 127-133.	0.8	6
1530	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
1531	Advanced Applications of NEXAFS Spectroscopy for Functionalized Surfaces. Springer Series in Surface Sciences, 2013, , 277-303.	0.3	60
1532	Addressable Carbene Anchors for Gold Surfaces. Journal of the American Chemical Society, 2013, 135, 7418-7421.	6.6	217
1533	Organic Sensors. , 2013, , 149-189.		0
1534	Complete Structural Phases for Self-Assembled Methylthiolate Monolayers on Au(111). Journal of Physical Chemistry C, 2013, 117, 21234-21244.	1.5	14
1535	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
1536	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
1537	Self-Assembled Monolayer Films Derived from Tridentate Cyclohexyl Adsorbates with Alkyl Tailgroups of Increasing Chain Length. Langmuir, 2013, 29, 14108-14116.	1.6	19
1538	Maximizing Mismatch Discrimination by Surface-Tethered Locked Nucleic Acid Probes via Ionic Tuning. Analytical Chemistry, 2013, 85, 1615-1623.	3.2	16
1539	Nanoscale Mechano–Electronic Behavior of a Metalloprotein as a Variable of Metal Content. Langmuir, 2013, 29, 12511-12519.	1.6	12
1540	Tridentate Adsorbates with Cyclohexyl Headgroups Assembled on Gold. Langmuir, 2013, 29, 561-569.	1.6	27

#	Article	IF	CITATIONS
1541	Facilitating Mismatch Discrimination by Surface-Affixed PNA Probes via Ionic Regulation. Langmuir, 2013, 29, 3370-3379.	1.6	12
1542	A Simple Hydrogen Peroxide Biosensor Based on Catalase Immobilized in Nano-Structural Composite Film. Advanced Materials Research, 0, 704, 258-263.	0.3	0
1543	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
1544	Spatially Selective Formation of Hydrocarbon, Fluorocarbon, and Hydroxyl-Terminated Monolayers on a Microelectrode Array. Langmuir, 2013, 29, 6779-6783.	1.6	1
1545	Communication: Site-dependent reactivity between chlorine atoms and mixed-chain-length alkanethiolate monolayers. Journal of Chemical Physics, 2013, 139, 161103.	1.2	2
1546	Corrosion inhibition of copper in hydrochloric acid by coverage with trithiocyanuric acid self-assembled monolayers. Corrosion Engineering Science and Technology, 2013, 48, 98-107.	0.7	32
1547	Nanoparticle Structure by Coherent X-ray Diffraction. Journal of the Physical Society of Japan, 2013, 82, 021012.	0.7	26
1548	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
1549	Polyelectrolyte assemblies for drug storage and delivery: multilayers, nanocapsules and multicapsules., 2013,, 94-145.		2
1550	Importance of Interfacial Region in Multifunctional Properties of 4-n-Tetradecyloxyaniline: Synthesis of Au, Ag, and Bimetallic Au <sub>core</sub> -Ag <sub>shell</sub> Nanoparticles. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2013, 43, 922-931.	0.6	1
1551	Substrate-Free Self-Assembled SiOx-Core Nanodots from Alkylalkoxysilane as a Multicolor Photoluminescence Source for Intravital Imaging. Scientific Reports, 2013, 3, 1703.	1.6	14
1552	3.金ãfŠãfŽç²'å2次å…fæ§‹é€ä½"ã®ä½œè£½ãë電気的ã,»ãf³ã,°ã¸ã®å¿œç"". Electrochemistry, 2	018681, 6	46-649.
1555	Purification of ethanol for highly sensitive self-assembly experiments. Beilstein Journal of Nanotechnology, 2014, 5, 1254-1260.	1.5	5
1557	Studying the role of surface chemistry on polyelectrolyte adsorption using gold–thiol self-assembled monolayer with optical reflectivity. Soft Matter, 2014, 10, 9220-9225.	1.2	18
1558	Patterning of photocleavable zwitterionic polymer brush fabricated on silicon wafer. Colloids and Surfaces B: Biointerfaces, 2014, 123, 878-886.	2.5	14
1559	Real-time monitoring of voltage shift based on enzymatically released pyrophosphate using phenylboronic acid-immobilized gate field-effect transistor. Japanese Journal of Applied Physics, 2014, 53, 04ELO4.	0.8	2
1560	Review of Physical Principles of Sensing and Types of Sensing Materials., 2014,, 5-46.		9
1561	Polyelectrolytes. Engineering Materials, 2014, , .	0.3	6

#	Article	IF	CITATIONS
1562	CHAPTER 4. Self-Assembled Mono- and Multilayers for Functional Opto-Electronic Devices. RSC Smart Materials, 2014, , 119-172.	0.1	0
1563	Colloidal Lithography. , 2014, , 541-550.		1
1564	Critical stages of a biodetection platform development from sensor chip fabrication to surface chemistry and assay development. , 2014, , .		2
1565	Electrode Materials (Bulk Materials and Modification). Nanostructure Science and Technology, 2014, , 403-495.	0.1	6
1566	Micropatterning of cell aggregate in three dimension for in vivo mimicking cell culture. , 2014, , 223-241.		4
1567	Nanofabrication techniques of highly organized monolayers sandwiched between two electrodes for molecular electronics. Nanofabrication, 2014, $1$ , .	1.1	15
1568	Reactive self-assembled monolayers: from surface functionalization to gradient formation. Materials Horizons, 2014, 1, 32-45.	6.4	93
1569	Ultrasensitive electrochemical detection of cancer associated biomarker HER3 based on anti-HER3 biosensor. Talanta, 2014, 120, 355-361.	2.9	43
1570	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
1571	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
1572	A Novel Biosensing System Using Biological Receptor for Analysis of Vascular Endothelial Growth Factor. International Journal of Peptide Research and Therapeutics, 2014, 20, 221-230.	0.9	6
1573	Ultra stable self-assembled monolayers of N-heterocyclic carbenes on gold. Nature Chemistry, 2014, 6, 409-414.	6.6	381
1574	A New Route to Low Resistance Contacts for Performanceâ€Enhanced Organic Electronic Devices. Advanced Materials Interfaces, 2014, 1, 1300130.	1.9	15
1575	Electrochemical, surface enhanced Raman scattering and surface plasmon resonance investigations on the coordination of cyanopyridine to ruthenium on surface. Electrochimica Acta, 2014, 122, 204-209.	2.6	4
1576	Impact of Substrate and Processing on Confinement of Nafion Thin Films. Advanced Functional Materials, 2014, 24, 4763-4774.	7.8	167
1577	A new and easy surface functionalization technnology for monitoring wettability in heterogeneous nano- and microfluidic devices. Sensors and Actuators B: Chemical, 2014, 196, 64-70.	4.0	9
1578	Characterization of cysteamine self assembled on gold functionalized with nitrilotriacetic acid and evaluation of copper(II) binding capacity with adsorption transfer stripping voltammetry. Journal of Electroanalytical Chemistry, 2014, 724, 103-110.	1.9	11
1579	Zwitteration: Coating Surfaces with Zwitterionic Functionality to Reduce Nonspecific Adsorption. Langmuir, 2014, 30, 9625-9636.	1.6	727

#	Article	IF	CITATIONS
1580	The Materials Science of Pathological Crystals. Chemistry of Materials, 2014, 26, 477-495.	3.2	48
1581	Polystyrene films as barrier layers for corrosion protection of copper and copper alloys. Bioelectrochemistry, 2014, 97, 7-14.	2.4	19
1582	Short Laminin Peptide for Improved Neural Stem Cell Growth. Stem Cells Translational Medicine, 2014, 3, 662-670.	1.6	83
1583	Processing Follows Function: Pushing the Formation of Self-Assembled Monolayers to High-Throughput Compatible Time Scales. ACS Applied Materials & Interfaces, 2014, 6, 20234-20241.	4.0	12
1584	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
1585	Colloidal Lithography. , 2014, , 1-9.		0
1586	Self-assembled organic semiconductors for monolayer field-effect transistors. Polymer Science - Series C, 2014, 56, 32-46.	0.8	15
1587	Converting Molecular Monolayers into Functional Membranes. Angewandte Chemie - International Edition, 2014, 53, 12300-12302.	7.2	12
1588	Succinimidyl Ester Surface Chemistry: Implications of the Competition between Aminolysis and Hydrolysis on Covalent Protein Immobilization. Langmuir, 2014, 30, 12868-12878.	1.6	104
1589	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
1590	Antibacterial-active multilayer films composed of polyoxometalate and Methyl Violet: Fabrication, characterization and properties. Thin Solid Films, 2014, 571, 69-74.	0.8	10
1591	Layerâ€byâ€Layer Assembly of Lightâ€Responsive Polymeric Multilayer Systems. Advanced Functional Materials, 2014, 24, 5624-5648.	7.8	106
1592	Fabrication of lipophilic gold nanoparticles for studying lipids by surface enhanced Raman spectroscopy (SERS). Analyst, The, 2014, 139, 3352-3355.	1.7	12
1593	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
1594	Developing Antifouling Biointerfaces Based on Bioinspired Zwitterionic Dopamine through pH-Modulated Assembly. Langmuir, 2014, 30, 12638-12646.	1.6	43
1595	Carbohydrate Coating Reduces Adhesion of Biofilm-Forming Bacillus subtilis to Gold Surfaces. Applied and Environmental Microbiology, 2014, 80, 5911-5917.	1.4	19
1596	Versatile Matrix for Constructing Enzyme-Based Biosensors. ACS Applied Materials & Distriction (2014, 6, 17296-17305.	4.0	29
1597	Interfacing cells with nanostructured electrochemical sensors for enhanced biomedical sensing. , 2014, , 80-100.		0

#	Article	IF	CITATIONS
1599	New contribution in the study of phase formation in mixed alkanethiol self-assembled monolayers: a powerful tool for transducers design. Electrochimica Acta, 2014, 142, 191-201.	2.6	7
1600	Photochemical Glaser Coupling at Metal Surfaces. Journal of Physical Chemistry C, 2014, 118, 6272-6277.	1.5	74
1601	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
1602	Electrochemically Durable Thiophene Alkanethiol Self-Assembled Monolayers. Langmuir, 2014, 30, 1536-1543.	1.6	7
1604	The use of smart polymers in medical devices for minimally invasive surgery, diagnosis and other applications., 2014,, 359-407.		7
1605	Surface Molecular Tailoring Using pH-Switchable Supramolecular Dendron-Ligand Assemblies. ACS Applied Materials & Dendron-Ligand Assemblies. ACS Applied Materi	4.0	14
1606	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
1607	Molecular Interactions Driving the Layer-by-Layer Assembly of Multilayers. Chemical Reviews, 2014, 114, 8883-8942.	23.0	697
1608	Diminishing the Gap Between GC-Selective and Universal Detection by Capped Pd Nanoparticles. Chromatographia, 2014, 77, 829-836.	0.7	2
1609	The use of nano-/microlayers, self-healing and slow-release coatings to prevent corrosion and biofouling. , 2014, , 135-182.		5
1610	A review of self-assembled monolayers as potential terahertz frequency tunnel diodes. Nano Research, 2014, 7, 589-625.	5.8	34
1611	Interfaceâ€Strengthened Polyimide/Carbon Nanofibers Nanocomposites with Superior Mechanical and Tribological Properties. Macromolecular Chemistry and Physics, 2014, 215, 1407-1414.	1.1	15
1612	Glucose determination based on a two component self-assembled monolayer functionalized surface-enhanced Raman spectroscopy (SERS) probe. Analytical Methods, 2014, 6, 5097-5104.	1.3	34
1613	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
1614	Regulating the On-Surface LNA Probe Density for the Highest Target Recognition Efficiency. Langmuir, 2014, 30, 10389-10397.	1.6	12
1615	Tailoring the Mechanics of Ultrathin Carbon Nanomembranes by Molecular Design. Langmuir, 2014, 30, 8221-8227.	1.6	42
1616	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	23
1617	Improving single molecule force spectroscopy through automated real-time data collection and quantification of experimental conditions. Ultramicroscopy, 2014, 136, 7-14.	0.8	12

#	Article	IF	CITATIONS
1618	Surfaceâ€Crafted Semiconductor Layer Prepared by Surface Initiated Ringâ€Opening Polymerization of <scp>L</scp> â€Lysine NCA Derivatives. Chemistry - an Asian Journal, 2014, 9, 2036-2039.	1.7	3
1619	Electroactive mixed self-assembled monolayers: A numerical overview of phase segregations. Electrochemistry Communications, 2014, 45, 17-22.	2.3	2
1620	Penicillinase-based amperometric biosensor for penicillin G. Electrochemistry Communications, 2014, 38, 131-133.	2.3	42
1621	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
1622	Organic thin films: From monolayers on liquids to multilayers on solids. Physics Today, 2014, 67, 43-48.	0.3	8
1623	The influence of molecular mobility on the properties of networks of gold nanoparticles and organic ligands. Beilstein Journal of Nanotechnology, 2014, 5, 1664-1674.	1.5	4
1626	Tribology of Water on Graphene and Silicon Superhydrophobic Nanostructured Surfaces. , 2014, , 96-115.		1
1627	Sample Preparation and Extraction Techniques. , 2015, , 1259-1270.		0
1628	Templated Synthesis for Nanoarchitectured Porous Materials. Bulletin of the Chemical Society of Japan, 2015, 88, 1171-1200.	2.0	512
1630	Dehydration-mediated cluster formation of nanoparticles. Scientific Reports, 2015, 5, 11383.	1.6	3
1631	Metal Surfaces: Adsorption of Molecules. , 0, , 4206-4219.		0
1632	Hydrophobic Monolayer Surfaces: Synthesis and Wettability. , 2015, , 3120-3140.		0
1633	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
1634	The Effects of Embedded Dipoles in Aromatic Selfâ€Assembled Monolayers. Advanced Functional Materials, 2015, 25, 3943-3957.	7.8	90
1636	Photosynthetic Proteins in Supported Lipid Bilayers: Towards a Biokleptic Approach for Energy Capture. Small, 2015, 11, 3306-3318.	5.2	8
1637	Printable Bioelectronics To Investigate Functional Biological Interfaces. Angewandte Chemie - International Edition, 2015, 54, 12562-12576.	7.2	86
1638	Bismuth(III)â€Promoted Acetylation of ThioÂethers into Thioacetates. European Journal of Organic Chemistry, 2015, 2015, 4675-4688.	1.2	10
1639	Evaluation of Chemical Interactions between Small Molecules in the Gas Phase Using Chemical Force Microscopy. Sensors, 2015, 15, 30683-30692.	2.1	4

#	ARTICLE	IF	Citations
1640	The Porter-Whitesides Discrepancy: Revisiting Odd-Even Effects in Wetting Properties of n-Alkanethiolate SAMs. Coatings, 2015, 5, 1034-1055.	1.2	30
1641	Hydrophobicity — A Green Technique for Enhancing Corrosion Resistance of Alloys. , 0, , .		3
1642	Tracing the 4000 year history of organic thin films: From monolayers on liquids to multilayers on solids. Applied Physics Reviews, 2015, 2, 011101.	5.5	25
1643	Impact of nanografting on the local structure of ternary self-assembled monolayers. Nano Research, 2015, 8, 2102-2114.	5.8	8
1644	In Situ Study of Model Organic Friction Modifiers Using Liquid Cell AFM: Self-Assembly of Octadecylamine. Tribology Letters, 2015, 58, 1.	1.2	21
1645	Review: Polymers, Surface-Modified Polymers, and Self Assembled Monolayers as Surface-Modifying Agents for Biomaterials. Polymer-Plastics Technology and Engineering, 2015, 54, 1358-1378.	1.9	54
1646	Calix[4]arene derivatives as dopamine hosts in electrochemical sensors. Sensors and Actuators B: Chemical, 2015, 218, 111-121.	4.0	42
1647	Chemical approaches for nanoscale patterning based on particle lithography with proteins and organic thin films. Nanotechnology Reviews, 2015, 4, 129-143.	2.6	11
1648	A Micro-Machined Optical Fiber Cantilever as a Miniaturized pH Sensor. IEEE Sensors Journal, 2015, 15, 7221-7228.	2.4	17
1649	Electrochemical growth of CoNi and Pt–CoNi soft magnetic composites on an alkanethiol monolayer-modified ITO substrate. Physical Chemistry Chemical Physics, 2015, 17, 16575-16586.	1.3	4
1650	Surface Functionalization of Biomaterials. , 2015, , 187-206.		11
1651	Short chain molecular junctions: Charge transport versus dipole moment. Applied Surface Science, 2015, 332, 181-185.	3.1	4
1652	Thin Film Nanoarchitectonics. Journal of Inorganic and Organometallic Polymers and Materials, 2015, 25, 466-479.	1.9	46
1653	Adsorption of Anionic Thiols on Silver Nanoparticles. Journal of Physical Chemistry C, 2015, 119, 5454-5461.	1.5	25
1654	The Influence of Thiolate Readsorption on the Quality of Mixed Monolayers Formed through an Electrochemcial Method. Langmuir, 2015, 31, 2157-2166.	1.6	4
1655	Strong Resistance of Citrate Anions on Metal Nanoparticles to Desorption under Thiol Functionalization. ACS Nano, 2015, 9, 1665-1682.	7.3	154
1656	Reduction of Mn <sub>19</sub> Coordination Clusters on a Gold Surface. Journal of Physical Chemistry C, 2015, 119, 3550-3555.	1.5	15
1657	Electrocatalytic Amplification of Nanoparticle Collisions at Electrodes Modified with Polyelectrolyte Multilayer Films. Langmuir, 2015, 31, 876-885.	1.6	42

#	Article	IF	CITATIONS
1658	Electrochemical Biosensors for miRNA Detection. RNA Technologies, 2015, , 1-19.	0.2	0
1659	Engineered Nanostructures of Haptens Lead to Unexpected Formation of Membrane Nanotubes Connecting Rat Basophilic Leukemia Cells. ACS Nano, 2015, 9, 6738-6746.	7.3	11
1660	Spatially nanoscale-controlled functional surfaces toward efficient bioactive platforms. Journal of Materials Chemistry B, 2015, 3, 5135-5149.	2.9	22
1661	Optical and electrochemical properties of covalent assembled bis(4′-carboxylic phenyl terpyridyl) Ru( <scp>ii</scp> )-monolayer. New Journal of Chemistry, 2015, 39, 7403-7408.	1.4	6
1662	Single-Molecule Electronics: Chemical and Analytical Perspectives. Annual Review of Analytical Chemistry, 2015, 8, 389-417.	2.8	80
1663	Design of Surface Modifications for Nanoscale Sensor Applications. Sensors, 2015, 15, 1635-1675.	2.1	88
1664	Grain Structures and Boundaries on Microcrystalline Copper Covered with an Octadecanethiol Monolayer Revealed by Sum Frequency Generation Microscopy. Journal of Physical Chemistry Letters, 2015, 6, 1454-1460.	2.1	23
1665	Chemiluminescence-imaging detection of DNA on a solid-phase membrane by using a peroxidase-labeled macromolecular probe. Talanta, 2015, 139, 138-142.	2.9	8
1667	Bio-functional nano-coatings on metallic biomaterials. Materials Science and Engineering C, 2015, 55, 227-251.	3.8	100
1668	Surface Characterization and in situ Protein Adsorption Studies on Carbene-Modified Polymers. Langmuir, 2015, 31, 11086-11096.	1.6	21
1669	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
1670	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
1671	Laccase-TiO <sub>2</sub> Nanoconjugates as Catalysts for Oxygen Reduction Reaction in Biocathodes. Journal of the Electrochemical Society, 2015, 162, H911-H917.	1.3	14
1672	Transfer of micro/nanostructured films by gel method. Micro and Nano Letters, 2015, 10, 172-174.	0.6	0
1673	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
1674	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
1676	Electrochemical Potential Stabilization of Reconstructed Au $(111)$ Structure by Monolayer Coverage with Graphene. Journal of Physical Chemistry Letters, 2015, 6, 3403-3409.	2.1	21
1677	Recent advances in capillary microextraction. TrAC - Trends in Analytical Chemistry, 2015, 73, 64-80.	5.8	25

#	Article	IF	Citations
1678	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
1679	A new immobilization procedure for development of an electrochemical immunosensor for parathyroid hormone detection based on gold electrodes modified with 6-mercaptohexanol and silane. Talanta, 2015, 144, 210-218.	2.9	29
1680	Polyviologen synthesis by self-assembly assisted grafting. RSC Advances, 2015, 5, 101232-101240.	1.7	3
1681	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
1682	Amphiphilic polyether-based block copolymers as crosslinkable ligands for Au-nanoparticles. Polymer Chemistry, 2015, 6, 5633-5642.	1.9	14
1683	Reversible activation of pH-sensitive cell penetrating peptides attached to gold surfaces. Chemical Communications, 2015, 51, 273-275.	2.2	14
1684	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
1685	A comparative study of short chain and long chain mercapto acids used in biosensor fabrication: A VEGF-R1-based immunosensor as a model system. Artificial Cells, Nanomedicine and Biotechnology, 2016, 44, 462-470.	1.9	18
1686	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
1687	Thiol-Based Self-Assembled Monolayers: Formation, Organization, and the Role of Adsorbate Structure., 2016,,.		5
1688	Carbon Nanomembranes. Advanced Materials, 2016, 28, 6075-6103.	11.1	133
1689	Hydroxyl Radical Generation and DNA Nuclease Activity: A Mechanistic Study Based on a Surfaceâ€Immobilized Copper Thioether Clipâ€Phen Derivative. Chemistry - A European Journal, 2016, 22, 10081-10089.	1.7	23
1690	Switching of actin-myosin motors by voltage-induced pH bias inÂvitro. Archives of Biochemistry and Biophysics, 2016, 603, 64-71.	1.4	3
1691	Atomic Structure of Self-Assembled Monolayer of Thiolates on a Tetragonal Au <sub>92</sub> Nanocrystal. Journal of the American Chemical Society, 2016, 138, 8710-8713.	6.6	150
1692	Bifunctional Chalcogen Linkers for the Stepwise Generation of Multimetallic Assemblies and Functionalized Nanoparticles. Inorganic Chemistry, 2016, 55, 12982-12996.	1.9	16
1693	Nanorobotics for NEMS Using Helical Nanostructures. , 2016, , 2659-2666.		1
1694	Nanoengineered Concrete., 2016,, 2369-2379.		1
1695	Carbene-mediated self-assembly of diamondoids on metal surfaces. Nanoscale, 2016, 8, 8966-8975.	2.8	20

#	Article	IF	Citations
1696	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
1697	Molecular Electronics: A Brief Overview of the Status of the Field. , 2016, , 1-23.		3
1698	Attachment of Algal Cells to Zwitterionic Self-Assembled Monolayers Comprised of Different Anionic Compounds. Langmuir, 2016, 32, 5663-5671.	1.6	21
1699	Modified photoanodes by amino-containing phosphonate self-assembled monolayers to improve the efficiency of dye-sensitized solar cells. RSC Advances, 2016, 6, 49702-49707.	1.7	1
1700	Electron Transfer Facilitated by Dendrimer-Encapsulated Pt Nanoparticles Across Ultrathin, Insulating Oxide Films. Journal of the American Chemical Society, 2016, 138, 6829-6837.	6.6	24
1701	Double-Sided Opportunities Using Chemical Lift-Off Lithography. Accounts of Chemical Research, 2016, 49, 1449-1457.	7.6	42
1702	Modification of Electrode Surfaces with Metallo Phthalocyanine Nanomaterial Hybrids., 2016,, 225-275.		8
1703	Electrochemistry of N4 Macrocyclic Metal Complexes. , 2016, , .		6
1704	Discriminating unalike single nucleobase mismatches using a molecularly resolved, label-free, interfacial LNA-based assay. Analyst, The, 2016, 141, 4035-4043.	1.7	10
1705	Complexes of carbene-functionalized diamondoids and metal atoms: Electronic properties. Journal of Organometallic Chemistry, 2016, 815-816, 8-15.	0.8	5
1706	Towards a metallic top contact electrode in molecular electronic devices exhibiting a large surface coverage by photoreduction of silver cations. Journal of Materials Chemistry C, 2016, 4, 9036-9043.	2.7	13
1707	Side Chain Influence on the Mechanical Properties and Water Uptake of Confined Comb-Shaped Cationic Polymer Thin Films. Macromolecular Chemistry and Physics, 2016, 217, 2442-2451.	1.1	13
1708	Semifluorinated Alkylphosphonic Acids Form High-Quality Self-Assembled Monolayers on Ag-Coated Yttrium Barium Copper Oxide Tapes and Enable Filamentization of the Tapes by Microcontact Printing. Langmuir, 2016, 32, 8623-8630.	1.6	4
1709	DPPTE Thiolipid Self-Assembled Monolayer: A Critical Assay. Langmuir, 2016, 32, 11560-11572.	1.6	5
1710	Catalytic Applications of Noble Metal Nanoparticles Produced by Sonochemical Reduction of Noble Metal Ions., 2016,, 325-363.		4
1711	Kinetics of self-assembled monolayer formation on individual nanoparticles. Physical Chemistry Chemical Physics, 2016, 18, 23990-23997.	1.3	16
1712	From Langmuir Monolayers to Multilayer Films. Langmuir, 2016, 32, 10445-10458.	1.6	42
1713	Vapor-enhanced covalently bound ultra-thin films on oxidized surfaces for enhanced resolution imaging. Journal of Materials Chemistry C, 2016, 4, 8634-8647.	2.7	12

#	Article	IF	CITATIONS
1714	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
1715	Optical Biosensors Based on Plasmonic Nanostructures: A Review. Proceedings of the IEEE, 2016, 104, 2380-2408.	16.4	297
1716	Electrocatalytic Reduction of Oxygen on Platinum Nanoparticles in the Presence and Absence of Interactions with the Electrode Surface. Langmuir, 2016, 32, 9727-9735.	1.6	14
1717	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
1718	Robust Maleimide-Functionalized Gold Surfaces and Nanoparticles Generated Using Custom-Designed Bidentate Adsorbates. Langmuir, 2016, 32, 7306-7315.	1.6	9
1719	Peptide-Mediated Platelet Capture at Gold Micropore Arrays. ACS Applied Materials & Samp; Interfaces, 2016, 8, 32189-32201.	4.0	7
1720	Vapor-Phase Carbenylation of Hard and Soft Material Interfaces. Langmuir, 2016, 32, 11386-11394.	1.6	11
1721	- Vibrational Excitations in Single-Molecule Junctions. , 2016, , 170-219.		O
1722	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
1723	Molecularly resolved label-free sensing of single nucleobase mismatches by interfacial LNA probes. Nucleic Acids Research, 2016, 44, 3739-3749.	6.5	13
1724	Electrochemical nucleic acid biosensors: from fabrication to application. Analytical Methods, 2016, 8, 5169-5189.	1.3	16
1725	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
1726	Probation of charge transport with chalcogens as linker group for C20 fullerene. Materials Today: Proceedings, 2016, 3, 1304-1310.	0.9	10
1727	The role of surface and interface structure in crystal growth. Progress in Crystal Growth and Characterization of Materials, 2016, 62, 203-211.	1.8	5
1728	A foolproof method for phase transfer of metal nanoparticles via centrifugation. Chemical Communications, 2016, 52, 1625-1628.	2.2	7
1729	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
1730	Layer-by-layer assembly of versatile nanoarchitectures with diverse dimensionality: a new perspective for rational construction of multilayer assemblies. Chemical Society Reviews, 2016, 45, 3088-3121.	18.7	294
1731	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

#	Article	IF	CITATIONS
1732	Fundamental aspects in surface self-assembly: theoretical implications of molecular polarity and shape. Physical Chemistry Chemical Physics, 2016, 18, 6498-6508.	1.3	1
1733	A gold nanoparticle piezoelectric immunosensor using a recombinant antigen for detecting Leishmania infantum antibodies in canine serum. Biochemical Engineering Journal, 2016, 110, 43-50.	1.8	16
1734	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
1735	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
1736	Formation of Corrosive Sulfur with Dibenzyl Disulfide in Fluid-Filled Transformers. Industrial & Engineering Chemistry Research, 2016, 55, 2911-2920.	1.8	11
1737	The effect of switchable additives on colloidal interactions found in oil sands as measured by chemical force spectrometry. Canadian Journal of Chemistry, 2016, 94, 482-489.	0.6	0
1738	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
1739	Catalytic oxidation of dimethyl disulfide (CH 3 SSCH 3 ) over monometallic Au, Pt and Cu catalysts supported on Î <sup>3</sup> -Al 2 O 3 , CeO 2 and CeO 2 -Al 2 O 3. Applied Catalysis B: Environmental, 2016, 182, 611-625.	10.8	26
1740	Review on Polymer/Carbon Nanotube Composite Focusing Polystyrene Microsphere and Polystyrene Microsphere/Modified CNT Composite: Preparation, Properties, and Significance. Polymer-Plastics Technology and Engineering, 2016, 55, 582-603.	1.9	20
1741	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
1742	Radially oriented nanostrand electrodes to boost glucose sensing in mammalian blood. Biosensors and Bioelectronics, 2016, 77, 656-665.	5.3	41
1743	In Situ Spectroelectrochemical Fluorescence Microscopy for Visualizing Interfacial Structure and Dynamics in Self-assembled Monolayers. , 2017, , 21-77.		11
1744	Electrochemically Modulated Luminescence in Nanophotonic Structures., 2017,, 79-104.		0
1745	SAM-Based Immunosensor for the Analysis of Thyroxine (T4). Journal of the Electrochemical Society, 2017, 164, B103-B106.	1.3	16
1746	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
1747	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
1748	Studies of inherent lubricity coatings for low surface roughness galvanised steel for automotive applications. Lubrication Science, 2017, 29, 317-333.	0.9	8
1749	Nanoscale On-Silico Electron Transport via Ferritins. Langmuir, 2017, 33, 1951-1958.	1.6	20

#	Article	IF	CITATIONS
1750	Large-Area, Ensemble Molecular Electronics: Motivation and Challenges. Chemical Reviews, 2017, 117, 4248-4286.	23.0	298
1751	Reduction of the Work Function of Gold by N-Heterocyclic Carbenes. Chemistry of Materials, 2017, 29, 3403-3411.	3.2	76
1752	Self-assembly of glycine on Cu(001): the effect of temperature and polarity. RSC Advances, 2017, 7, 4116-4123.	1.7	3
1753	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
1755	Surface modification by self-assembled monolayer and carbon nanotubes. Emerging Materials Research, 2017, 6, 15-20.	0.4	3
1756	Homogeneously Mixed Monolayers: Emergence of Compositionally Conflicted Interfaces. Langmuir, 2017, 33, 8839-8855.	1.6	17
1757	Biocatalytic Nanocomposites for Combating Bacterial Pathogens. Annual Review of Chemical and Biomolecular Engineering, 2017, 8, 87-113.	3.3	20
1758	Efficient nucleophilic substitution in self-assembled monolayer of dithiol on gold. Chemistry of Heterocyclic Compounds, 2017, 53, 97-100.	0.6	1
1759	Ambient STM study of sequentially adsorbed octanethiol and biphenylthiol monolayers on Au(111). Surface Science, 2017, 662, 102-112.	0.8	5
1760	Onâ€Chip 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
1761	Noble metal surface degradation induced by organothiols. Surface Science, 2017, 662, 59-66.	0.8	3
1762	Sulfur ligand mediated electrochemistry of gold surfaces and nanoparticles: What, how, and why. Current Opinion in Electrochemistry, 2017, 1, 7-15.	2.5	31
1763	Luminescence in Electrochemistry., 2017,,.		9
1764	UVâ∈Patterning of Antiâ∈Biofouling Zwitterionic Copolymer Layer with an Aromatic Anchor Group. Macromolecular Materials and Engineering, 2017, 302, 1600374.	1.7	2
1765	Fabrication of phosphonic acid films on nitinol nanoparticles by dynamic covalent assembly. Thin Solid Films, 2017, 642, 195-206.	0.8	12
1766	Synthesis and characterization of tethered lipid assemblies for membrane protein reconstitution (Review). Biointerphases, 2017, 12, 04E301.	0.6	14
1767	Synthesis of Electro-active Compounds Suitable for Adsorption on Metal Surfaces. Organic Preparations and Procedures International, 2017, 49, 389-414.	0.6	4
1768	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

#	Article	IF	CITATIONS
1769	Shortwave Infrared in Vivo Imaging with Gold Nanoclusters. Nano Letters, 2017, 17, 6330-6334.	4.5	149
1771	Trends in electrochemical impedance spectroscopy involving nanocomposite transducers: Characterization, architecture surface and bio-sensing. TrAC - Trends in Analytical Chemistry, 2017, 97, 201-215.	5.8	110
1772	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
1773	Investigation of polymer–solvent interactions in poly(styrene sulfonate) thin films. Journal of Polymer Science, Part B: Polymer Physics, 2017, 55, 1365-1372.	2.4	22
1774	Comprehensive View of the Ligand–Gold Interface from First Principles. Chemistry of Materials, 2017, 29, 6908-6915.	3.2	59
1775	Properties of Self-Assembled Monolayers Revealed via Inverse Tensiometry. Langmuir, 2017, 33, 13451-13467.	1.6	33
1778	The electronic transport properties of B40 fullerenes with chalcogens as anchor atoms. Journal of Molecular Modeling, 2017, 23, 351.	0.8	9
1779	Architectures of Enzyme Electrodes Using Redox Mediators. , 2017, , 173-213.		1
1780	Unfolding IGDQ Peptides for Engineering Motogenic Interfaces. Langmuir, 2017, 33, 7512-7528.	1.6	2
1781	The Interaction of $1,1\hat{a}\in 2\hat{a}\in D$ iphosphaferrocenes with Gold: Molecular Coordination Chemistry and Adsorption on Solid Substrates. European Journal of Inorganic Chemistry, 2017, 2017, 351-359.	1.0	5
1782	Ballbot-type motion of N-heterocyclic carbenes on gold surfaces. Nature Chemistry, 2017, 9, 152-156.	6.6	192
1783	Quartz crystal microbalance in the active mode as a tool to modify sensor surface for higher selectivity and sensitivity. Sensors and Actuators B: Chemical, 2017, 239, 494-500.	4.0	2
1784	Formation of self-assembled monolayer of curcuminoid molecules on gold surfaces. Applied Surface Science, 2017, 392, 834-840.	3.1	5
1785	Self-assembly of inorganic nanoparticles: Ab ovo. Europhysics Letters, 2017, 119, 66008.	0.7	22
1787	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
1788	Polydopamine Surface Chemistry: A Decade of Discovery. ACS Applied Materials & Decades, 2018, 10, 7523-7540.	4.0	1,232
1789	Modification of Gold's Work Function upon Adsorption of Mercaptobiphenylcarbonitrile: Experimental Evidence for a Theoretical Prediction. Journal of Physical Chemistry C, 2018, 122, 6083-6092.	1.5	4
1790	Soft chemistry of ion-exchangeable layered metal oxides. Chemical Society Reviews, 2018, 47, 2401-2430.	18.7	125

#	Article	IF	CITATIONS
1791	Surface Functionalization of Ti6Al4V via Self-assembled Monolayers for Improved Protein Adsorption and Fibroblast Adhesion. Langmuir, 2018, 34, 3494-3506.	1.6	97
1792	Optical Properties of Single- and Double-Functionalized Small Diamondoids. Journal of Physical Chemistry A, 2018, 122, 3583-3593.	1.1	10
1794	Nâ€Heterocyclicâ€Carbeneâ€Treated Gold Surfaces in Pentacene Organic Fieldâ€Effect Transistors: Improved Stability and Contact at the Interface. Angewandte Chemie - International Edition, 2018, 57, 4792-4796.	7.2	60
1795	Mit N-heterocyclischen Carbenen behandelte GoldoberflÄghen in Pentacen-Transistoren: Verbesserte StabilitÄgund Kontakt an der GrenzflÄghe. Angewandte Chemie, 2018, 130, 4883-4887.	1.6	16
1796	Substrate-Dependent Physical Aging of Confined Nafion Thin Films. ACS Macro Letters, 2018, 7, 223-227.	2.3	10
1797	Acid–Base Control of Valency within Carboranedithiol Self-Assembled Monolayers: Molecules Do the Can-Can. ACS Nano, 2018, 12, 2211-2221.	7.3	23
1798	Synthesis of single-phase Au nanorods in an anodic aluminum oxide template with an optimized process for a highly sensitive and non-enzyme methyl mercaptan gas detector. Microsystem Technologies, 2018, 24, 4129-4136.	1.2	4
1799	Study of the tribological properties and ageing of alkyphosphonic acid films on galvanized steel. Tribology International, 2018, 119, 337-344.	3.0	9
1800	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
1801	Studies of Electrode Reactions and Coordination Geometries of Cu(I) and Cu(II) Complexes with Bicinchoninic Acid. Electroanalysis, 2018, 30, 479-485.	1.5	2
1802	Protein bioelectronics: a review of what we do and do not know. Reports on Progress in Physics, 2018, 81, 026601.	8.1	180
1803	Electrocatalytic Behavior of Pd and Pt Nanoislands Deposited onto 4,4′-Dithiodipyridine SAMs on Au(111). Electrocatalysis, 2018, 9, 505-513.	1.5	10
1804	Toward Ultrasensitive Surface Plasmon Resonance Sensors. Springer Series on Chemical Sensors and Biosensors, 2018, , 409-448.	0.5	4
1805	Organometallic π-tweezers and 1,1′-bis(diphenylphosphanyl)ferrocene as bidentate chelating ligands for the synthesis of heteromultimetallic compounds. Polyhedron, 2018, 139, 50-62.	1.0	8
1806	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
1807	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
1808	Tuning Electrical Properties of 2D Materials by Selfâ€Assembled Monolayers. Advanced Materials Interfaces, 2018, 5, 1700316.	1.9	55
1809	Advances in Synthesis of Metal Nanocrystals. , 2018, , 31-54.		0

#	Article	IF	CITATIONS
1810	Self-Assembly of Functionalized Organic Molecules on Flat Solid Surfaces. , 2018, , 810-816.		2
1811	4. Nanofilms as Sensitive Layers of Chemical and Biochemical Sensors. , 2018, , 107-130.		0
1812	The Chemomechanical Modification of Silicon with Macroscopic Diamond Tips and AFM Tips with Extension to Laser-Modification of the Material, Starting from Its Roots in Monolayers on Hydrogen-Terminated Silicon., 2018,, 842-863.		1
1813	Bioanalytical Method Based on Extended-Gate Field-Effect Transistor Modified by Self-Assembled Monolayer. International Journal of Automation Technology, 2018, 12, 52-63.	0.5	0
1815	Advances in Molecular Electronics: A Brief Review. Engineering, 2018, 4, 760-771.	3.2	65
1816	A glance on immobilisation of porphyrins on solid support and potential future research. AIP Conference Proceedings, 2018, , .	0.3	0
1817	Influence of Gamma Irradiation on a Fatty Acid Self-Assembling Coating of Copper. Journal of the Electrochemical Society, 2018, 165, C973-C979.	1.3	5
1818	Tarnishing Silver Metal into Mithrene. Journal of the American Chemical Society, 2018, 140, 13892-13903.	6.6	30
1819	Diversification of Device Platforms by Molecular Layers: Hybrid Sensing Platforms, Monolayer Doping, and Modeling. Langmuir, 2018, 34, 14103-14123.	1.6	10
1820	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
1821	Controlled Molecular Assembly via Dynamic Confinement of Solvent. Journal of Physical Chemistry Letters, 2018, 9, 6232-6237.	2.1	6
1822	Dark and photo-induced charge transport across molecular spacers. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2018, 36, .	0.6	3
1823	Precision at the nanoscale: on the structure and property evolution of gold nanoclusters. Pure and Applied Chemistry, 2018, 90, 1409-1427.	0.9	24
1824	Tuning adhesion forces between functionalized gold colloidal nanoparticles and silicon AFM tips: role of ligands and capillary forces. Beilstein Journal of Nanotechnology, 2018, 9, 660-670.	1.5	14
1825	Oxidative photopolymerization of thiol-terminated polysulfide resins. Application in antibacterial coatings. Progress in Organic Coatings, 2018, 121, 80-88.	1.9	11
1826	Induced electronic changes at the fluorinated polyphenylthiols on nanostructured Au(1†1†1) interfaces. Applied Surface Science, 2018, 452, 141-147.	3.1	1
1827	Formation and properties of phospholipid bilayers on fluorine doped tin oxide electrodes. Electrochimica Acta, 2018, 283, 1351-1358.	2.6	16
1828	Self-assembled monolayers in biomaterials. , 2018, , 137-178.		15

#	Article	IF	CITATIONS
1829	Reconstitution of Ion Channels in Planar Lipid Bilayers: New Approaches. Advances in Biomembranes and Lipid Self-Assembly, 2018, 27, 147-185.	0.3	4
1830	Synthesis of DNA-Based Nanowires. Methods in Molecular Biology, 2018, 1811, 23-47.	0.4	3
1831	Supramolecular Assemblies on Surfaces: Nanopatterning, Functionality, and Reactivity. ACS Nano, 2018, 12, 7445-7481.	7.3	225
1832	Self-assembled quasi-hexagonal arrays of gold nanoparticles with small gaps for surface-enhanced Raman spectroscopy. Beilstein Journal of Nanotechnology, 2018, 9, 1977-1985.	1.5	9
1833	Integrated Affinity Biosensing Platforms on Screen-Printed Electrodes Electrografted with Diazonium Salts. Sensors, 2018, 18, 675.	2.1	53
1834	Biomimetic Layer-by-Layer Self-Assembly of Nanofilms, Nanocoatings, and 3D Scaffolds for Tissue Engineering. International Journal of Molecular Sciences, 2018, 19, 1641.	1.8	62
1836	Nanomaterials in Biosensors. , 2018, , 1-74.		98
1837	Probing the single pair rupture force of supramolecular quadruply hydrogen bonding modules by nano-adhesion measurement. RSC Advances, 2018, 8, 21798-21805.	1.7	2
1838	DNA Nanotechnology. Methods in Molecular Biology, 2018, , .	0.4	3
1839	Molecular Design of Zwitterionic Polymer Interfaces: Searching for the Difference. Langmuir, 2019, 35, 1056-1071.	1.6	98
1840	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
1841	Controlling the stereospecific bonding motif of Au–thiolate links. Nanoscale, 2019, 11, 15567-15575.	2.8	7
1842	Modular fabrication of intelligent material-tissue interfaces for bioinspired and biomimetic devices. Progress in Materials Science, 2019, 106, 100589.	16.0	72
1843	Substrateâ€Dependent Molecular and Nanostructural Orientation of Nafion Thin Films. Advanced Functional Materials, 2019, 29, 1902699.	7.8	28
1845	Optimized Immobilization of Biomolecules on Nonspherical Gold Nanostructures for Efficient Localized Surface Plasmon Resonance Biosensing. Analytical Chemistry, 2019, 91, 15090-15098.	3.2	17
1846	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
1847	Nanoscale Mapping of the Physical Surface Properties of Human Buccal Cells and Changes Induced by Saliva. Langmuir, 2019, 35, 12647-12655.	1.6	15
1848	Mimicking Polymer Surfaces Using Cyclohexyl- and Perfluorocyclohexyl-Terminated Self-Assembled Monolayers. ACS Applied Nano Materials, 2019, 2, 5809-5816.	2.4	7

#	Article	IF	Citations
1849	Endothelialization of cardiovascular devices. Acta Biomaterialia, 2019, 99, 53-71.	4.1	88
1850	Effects of Small Molecules on DNA Adsorption by Gold Nanoparticles and a Case Study of Tris(2-carboxyethyl)phosphine (TCEP). Langmuir, 2019, 35, 13461-13468.	1.6	19
1851	Ultralow surface energy self-assembled monolayers of iodo-perfluorinated alkanes on silica driven by halogen bonding. Nanoscale, 2019, 11, 2401-2411.	2.8	8
1852	Photochemistry Highlights on Onâ€Surface Synthesis. ChemPhysChem, 2019, 20, 2271-2280.	1.0	19
1853	Anchoring of Aminophosphonates on Titanium Oxide for Biomolecular Coupling. Journal of Physical Chemistry C, 2019, 123, 16843-16850.	1.5	35
1854	Electrochemically roughened silver surface versus fractal leaf-shaped silver crystals for surface-enhanced Raman scattering investigation of polypyrrole. Journal of Solid State Electrochemistry, 2019, 23, 1811-1827.	1.2	11
1855	Layer-by-layer assembly of nanofilms to control cell functions. Polymer Chemistry, 2019, 10, 2960-2974.	1.9	27
1856	Building Supramolecular DNAâ€Inspired Nanowires on Gold Surfaces: From 2D to 3D. Angewandte Chemie - International Edition, 2019, 58, 7308-7312.	7.2	10
1857	Functionalizing gold with single strand DNA: novel insight into optical properties <i>via</i> combined spectroscopic ellipsometry and nanolithography measurements. Soft Matter, 2019, 15, 2463-2468.	1.2	13
1858	Non-chemisorbed gold–sulfur binding prevails in self-assembled monolayers. Nature Chemistry, 2019, 11, 351-358.	6.6	202
1859	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
1860	Building Supramolecular DNAâ€Inspired Nanowires on Gold Surfaces: From 2D to 3D. Angewandte Chemie, 2019, 131, 7386-7390.	1.6	2
1861	Mimicking the endothelial glycocalyx through the supramolecular presentation of hyaluronan on patterned surfaces. Faraday Discussions, 2019, 219, 168-182.	1.6	13
1862	The Use of Smart Polymers in Medical Devices for Minimally Invasive Surgery, Diagnosis, and Other Applications., 2019,, 481-531.		2
1863	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
1864	Photoadhesive of Acrylates Containing Cross-links of Dipyridyl Disulfide. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2019, 32, 619-622.	0.1	4
1865	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
1866	Picomolar detection of retinol binding protein 4 for early management of type II diabetes. Biosensors and Bioelectronics, 2019, 128, 122-128.	5.3	29

#	Article	IF	CITATIONS
1867	Self-assembly of basket-weave organic layer formed on defective inorganic surface. Chemical Engineering Journal, 2019, 360, 385-392.	6.6	21
1868	Segmentation of scanning tunneling microscopy images using variational methods and empirical wavelets. Pattern Analysis and Applications, 2020, 23, 625-651.	3.1	9
1869	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
1870	N-Heterocyclic carbene and thiol micropatterns enable the selective deposition and transfer of copper films. Chemical Communications, 2020, 56, 1275-1278.	2.2	20
1871	Effect of Surface Cleaning on Performance of Organic Friction Modifiers. Tribology Transactions, 2020, 63, 305-313.	1.1	5
1872	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
1873	Electrochemical sensors. , 2020, , 47-71.		21
1874	Organothiol Monolayer Formation Directly on Muscovite Mica. Angewandte Chemie, 2020, 132, 2343-2347.	1.6	1
1875	Corrosion resistance of dodecanethiol-modified magnesium hydroxide coating on AZ31 magnesium alloy. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	24
1876	Organothiol Monolayer Formation Directly on Muscovite Mica. Angewandte Chemie - International Edition, 2020, 59, 2323-2327.	7.2	4
1877	Surface structure of 1,4-benzenedithiol on Au(111). Surface Science, 2020, 702, 121717.	0.8	7
1878	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
1879	Methods to Investigate Innate Immune Receptors and Their Carbohydrate-Based Ligands. ACS Symposium Series, 2020, , 127-147.	0.5	0
1880	Selfâ€Assembled Monolayers as Interface Engineering Nanomaterials in Perovskite Solar Cells. Advanced Energy Materials, 2020, 10, 2002606.	10.2	156
1881	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
1882	Formation of Self-Assembled Anticorrosion Films on Different Metals. Materials, 2020, 13, 5089.	1.3	20
1883	Covalent Linkages of Molecules and Proteins to Si–H Surfaces Formed by Disulfide Reduction. Langmuir, 2020, 36, 14999-15009.	1.6	22
1884	Synthesis and biochemical evaluation of cephalosporin analogues equipped with chemical tethers. RSC Advances, 2020, 10, 36485-36494.	1.7	3

#	Article	IF	CITATIONS
1885	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
1886	Role of Free Thiol on Protein Adsorption to Gold Nanoparticles. Langmuir, 2020, 36, 9241-9249.	1.6	40
1887	Nanocoatings of Bovine Serum Albumin on Glass: Effects of pH and Temperature. Journal of Nanomaterials, 2020, 2020, 1-11.	1.5	6
1888	Ferrocene-Terminated Oligourea Foldamer Monolayers. Journal of Physical Chemistry C, 2020, 124, 17916-17923.	1.5	4
1889	Rapid Photoligation of Gold Nanocolloids with Lipoic Acid-Based Ligands. Chemistry of Materials, 2020, 32, 7469-7483.	3.2	26
1890	An environmentally friendly lipophilic coating of metal surface. Tetrahedron Letters, 2020, 61, 152242.	0.7	2
1891	Current research progress of mammalian cell-based biosensors on the detection of foodborne pathogens and toxins. Critical Reviews in Food Science and Nutrition, 2021, 61, 3819-3835.	5 <b>.</b> 4	18
1892	Advances in Nanotechnology and Its Applications. , 2020, , .		3
1893	Nanofabrication Techniques in Large-Area Molecular Electronic Devices. Applied Sciences (Switzerland), 2020, 10, 6064.	1.3	21
1894	Direct Electrochemical Enzyme Electron Transfer on Electrodes Modified by Self-Assembled Molecular Monolayers. Catalysts, 2020, 10, 1458.	1.6	28
1895	Logic Gates Based on DNA Aptamers. Pharmaceuticals, 2020, 13, 417.	1.7	14
1896	Facile control of surfactant lamellar phase transition and adsorption behavior. RSC Advances, 2020, 10, 18025-18034.	1.7	5
1897	Interaction of the $(2\hat{a}^*\hat{s}3\ \tilde{A}-3)$ 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 Omega, 2020, 5, 13802-13812.	1.6	3
1898	In pursuit of key features for constructing electrochemical biosensors – electrochemical and acid-base characteristic of self-assembled monolayers on gold. Supramolecular Chemistry, 2020, 32, 256-266.	1.5	9
1899	Self-assembled layers for the temporary corrosion protection of magnesium-AZ31 alloy. Corrosion Science, 2020, 169, 108619.	3.0	17
1900	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
1901	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
1902	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

#	Article	IF	Citations
1903	Steric hindrance and exchange in the coadsorption of octanethiol and decyl thiocyanate on Au(111). Surface Science, 2020, 694, 121562.	0.8	3
1904	Stability of di-butyl-dichalcogenide-capped gold nanoparticles: experimental data and theoretical insights. RSC Advances, 2020, 10, 6259-6270.	1.7	11
1905	New Means to Control Molecular Assembly. Journal of Physical Chemistry C, 2020, 124, 6405-6412.	1.5	9
1906	Versatile electrochemical approaches towards the fabrication of molecular electronic devices. Analyst, The, 2020, 145, 1563-1582.	1.7	13
1907	Adsorption of Organic Friction Modifier Additives. Langmuir, 2020, 36, 1147-1155.	1.6	54
1908	Redox-Active Monolayers Self-Assembled on Gold Electrodesâ€"Effect of Their Structures on Electrochemical Parameters and DNA Sensing Ability. Molecules, 2020, 25, 607.	1.7	3
1909	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
1910	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
1911	3D Silver Dendrites for Singleâ€molecule Imaging by Surfaceâ€enhanced Raman Spectroscopy. ChemNanoMat, 2021, 7, 141-149.	1.5	20
1912	Monolayer phase transitions due to ultraviolet irradiation of sequentially-adsorbed 9,10-anthracene dicarboxylic acid and octanethiol on Au(111). Surface Science, 2021, 705, 121760.	0.8	1
1913	General techniques for preparation of nanosensors. , 2021, , 19-43.		2
1914	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
1915	Surface chemical reactions on self-assembled silane based monolayers. Chemical Society Reviews, 2021, 50, 6507-6540.	18.7	53
1916	Nucleic Acid Sensors onto Peptide Nucleic Acid (PNA) Surface. International Journal of Scientific Research in Science and Technology, 2021, , 83-93.	0.1	0
1917	Populated interfaces and their reactivity. , 2021, , 141-154.		0
1918	Shape Transformation Mechanism of Gallium–Indium Alloyed Liquid Metal Nanoparticles. Advanced Materials Interfaces, 2021, 8, 2001874.	1.9	27
1919	A post-functionalization toolbox for diazonium (electro)-grafted surfaces: review of the coupling methods. Materials Advances, 2021, 2, 2773-2810.	2.6	32
1921	Molecular bridge-mediated ultralow-power gas sensing. Microsystems and Nanoengineering, 2021, 7, 27.	3.4	9

#	Article	IF	CITATIONS
1922	Hybrid bilayer membranes on metallurgical polished aluminum. Scientific Reports, 2021, 11, 9648.	1.6	5
1923	The ligand effect on the interface structures and electrocatalytic applications of atomically precise metal nanoclusters. Nanotechnology, 2021, 32, 352001.	1.3	10
1924	Charge transport through molecular ensembles: Recent progress in molecular electronics. Chemical Physics Reviews, 2021, 2, .	2.6	69
1925	Self-assembly of N-heterocyclic carbenes on Au(111). Nature Communications, 2021, 12, 4034.	5.8	47
1926	Synthesis and electrochemistry of remotely thioetherâ€functionalized disilenes. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 1674-1678.	0.6	1
1927	Controlled Molecular Assembly of Tetrazine Derivatives on Surfaces. CCS Chemistry, 2022, 4, 162-172.	4.6	2
1928	Preparation of Ultrathin Gold Films with Subatomic Surface Roughness. Langmuir, 2021, 37, 9472-9477.	1.6	5
1929	Visualization analysis of lecithin in drugs based on electrochemiluminescent single gold microbeads. Journal of Pharmaceutical Analysis, 2021, 11, 515-522.	2.4	2
1930	Modification and Patterning of Selfâ€Assembled Monolayers Using Electrogenerated Etchants and Homogeneous Scavenging Reactions in a Scanning Electrochemical Microscope. ChemElectroChem, 2021, 8, 3192-3202.	1.7	5
1931	Electron Transfer Inside a Decaferrocenylated Rotaxane Analyzed by Fast Scan Cyclic Voltammetry and Impedance Spectroscopy. ChemElectroChem, 2021, 8, 3506-3511.	1.7	4
1932	Protein blocking inhibits ambient degradation of self-assembled monolayers for affinity biosensing. Applied Surface Science, 2021, 557, 149843.	3.1	2
1933	Self-Assembled Monolayers for Batteries. Journal of the American Chemical Society, 2021, 143, 12897-12912.	6.6	47
1934	Lipids: An Atomic Toolkit for the Endless Frontier. ACS Nano, 2021, 15, 15429-15445.	7.3	11
1935	Functional supramolecular systems: design and applications. Russian Chemical Reviews, 2021, 90, 895-1107.	2.5	93
1936	Efficient sensing of hydrogen peroxide via electrocatalytic oxidation reactions using polycrystalline Au electrode modified with controlled thiol group immobilization. Electrochimica Acta, 2021, 395, 139217.	2.6	11
1937	Solid-state polymer adsorption for surface modification: The role of molecular weight. Journal of Colloid and Interface Science, 2022, 605, 441-450.	5.0	5
1938	Predicting ligand removal energetics in thiolate-protected nanoclusters from molecular complexes. Nanoscale, 2021, 13, 2034-2043.	2.8	7
1939	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

#	Article	IF	Citations
1940	Bioinspired dopamine and zwitterionic polymers for non-fouling surface engineering. Chemical Society Reviews, 2021, 50, 11668-11683.	18.7	120
1944	3.8.10 Chemisorption of polyatomic chain-like hydrocarbons on metals and semiconductors. , 0, , 371-385.		3
1945	Combinatorial Method for Surface-Confined Sensor Design and Fabrication. , 2005, , 169-188.		11
1946	Chemical Force Microscopy Nanoscale Probing of Fundamental Chemical Interactions. , 2008, , 97-122.		9
1947	Charge Transfer And Interfacial Bioelectrochemistry At The Nanoscale And Single-Molecule Levels. , 2008, , 249-302.		6
1948	Microcontact Printing Techniques. Nanostructure Science and Technology, 2003, , 181-212.	0.1	1
1949	Self-Assembly and Self-Assembled Monolayers in Micro- and Nanofabrication., 1999,, 331-369.		31
1950	Interactions of Deposited Copper on COOH of 11-Mercaptoundecanoic Acid: An XPS Study., 1992,, 149-161.		1
1951	The Direct Electron Transfer Reactions of Cytochrome Oxidase Immobilized into a Membrane Modified Electrode., 1992,, 29-40.		2
1952	Biospecific Interaction Analysis in Real Time Using a Biosensor System with Surface Plasmon Resonance Detection., 1994,, 113-129.		1
1953	Thermal Reconstruction of the Functionalized Interface of Polyethylene Carboxylic Acid and Its Derivatives., 1992,, 143-177.		22
1954	STM in Biology. NATO ASI Series Series B: Physics, 1991, , 549-572.	0.2	3
1955	Nanotechnology., 2007, 381, 411-436.		25
1956	Synthesis of Long DNA-Based Nanowires. Methods in Molecular Biology, 2011, 749, 115-140.	0.4	1
1957	The Electrochemistry of Peptide Self-Assembled Monolayers. , 2016, , 503-560.		4
1959	Interfacial Force Microscopy: Selected Applications. Nanoscience and Technology, 2004, , 41-73.	1.5	7
1960	Self-Assembled Magnetic Nanoparticle Arrays. Springer Series in Surface Sciences, 2001, , 249-276.	0.3	11
1961	The Scanning Tunneling Microscope in Biology. Springer Series in Surface Sciences, 1995, , 51-98.	0.3	3

#	Article	IF	CITATIONS
1962	The Scanning Tunneling Microscope in Biology. Springer Series in Surface Sciences, 1992, , 51-98.	0.3	11
1963	Self-Assembled Monolayers for Molecular Nanoelectronics. Springer Series in Chemical Physics, 2003, , 91-106.	0.2	4
1965	Lipid-Protein Interactions. , 2000, , 163-172.		1
1966	The Design, Characterization and Use of Molecules in Molecular Devices. , 2004, , 295-315.		1
1967	Piezoelectric Sensing for Sensitive Detection of DNA. Soft and Biological Matter, 2012, , 203-233.	0.3	1
1969	Approaches for Structured Immobilisation of Recognising Elements on the Transducer Surface of Biosensors., 2003,, 311-325.		1
1970	The Modification of Semiconductor Surfaces by Molecular Self-Assembly., 1993, , 275-292.		2
1971	Transduction Principles and Integration of Chemical Sensors into a Micromechanical Array Device. , 1998, , 33-42.		2
1972	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
1973	Structure, behavior, and manipulation of nanoscale biological assemblies. , 2000, , 637-710.		2
1974	MOLECULAR ORGANIZATION OF PEPTIDES AND THEIR FUNCTION., 2001, , 207-231.		1
1975	Surface Chemistry in SPR Technology. , 2008, , 173-220.		17
1976	Self-Assembled Monolayers. , 2013, , 3-29.		1
1977	Molecular Electronics: A Review of Experimental Results. Acta Physica Polonica A, 2009, 115, 455-461.	0.2	4
1978	The Length Effect of Probe DNA for Hybridization using DNA Self-Assembled Monolayer. E-Journal of Surface Science and Nanotechnology, 2005, 3, 250-253.	0.1	4
1979	Is the Enhanced Adhesion of PEDOT Thin Films on Electrodes Due to Sulfur - Gold Interaction? - An XPS Study. The Open Surface Science Journal, 2013, 5, 17-20.	2.0	14
1980	Nonfouling Self-Assembled Monolayers: Mechanisms Underlying Protein and Cell Resistance. Current Physical Chemistry, $2011,1,90$ -98.	0.1	20
1981	Title is missing!. Shinku/Journal of the Vacuum Society of Japan, 2001, 44, 73-79.	0.2	1

#	Article	IF	CITATIONS
1983	Advanced drug delivery via self-assembled monolayer-coated nanoparticles. AIMS Bioengineering, 2017, 4, 275-299.	0.6	16
1984	Hydrophilic surfaces via the self-assembly of nitrile-terminated alkanethiols on gold. AIMS Materials Science, 2018, 5, 171-189.	0.7	2
1985	Self-Assembled Monolayers (SAMs): Which Perspectives in Implant Dentistry?. Journal of Biomaterials and Nanobiotechnology, 2011, 02, 533-543.	1.0	22
1986	Mono and Multilayer Assembly of Zeolite Microcrystals on Substrates. Bulletin of the Korean Chemical Society, 2006, 27, 17-26.	1.0	14
1987	A Surfactant-based Method for Carbon Coating of LiNi <sub>0.8</sub> Co <sub>0.15</sub> Al <sub>0.05</sub> O <sub>2</sub> Cathode in Li Ion Batteries. Bulletin of the Korean Chemical Society, 2010, 31, 2304-2308.	1.0	22
1988	Electrochemical Desorption of Binary Self-Assembled Monolayers of Butyl Hexadecyl Disulfide on Au(111) Electrodes. Electrochemistry, 1999, 67, 1227-1230.	0.6	10
1989	Preparation of Enzyme Electrode Based on Self-assembly of Redox Active Polymer and Polyion Complex Formation. Electrochemistry, 2001, 69, 940-941.	0.6	6
1990	New Application of Carbon Nanotubes. Growth Process of Self-assembled Monolayer of Thiophene Hyomen Kagaku, 2000, 21, 590-594.	0.0	1
1991	Molecular Control of Electron and Hole Injection at Electrodes and at Organic Layer Interfaces in Organic Electroluminescent Devices., 2001,,.		0
1992	Studies on Surface and Interface with X-ray Absorption Fine Structure (XAFS). XAFS Study of Self-Assembled Monolayers Hyomen Kagaku, 2002, 23, 351-358.	0.0	1
1993	Immobilisation chemistry of biological recognition molecules. , 2002, , .		0
1994	Assembling of Polymer Particles onto Solid Supports for Medical Applications. Surfactant Science, 2003, , .	0.0	0
1995	Molecular Electronics., 2004,, 615-667.		0
1996	Super-Precise Nanolithography Using Multilayer of Self-Assembled Monolayers. Hyomen Kagaku, 2004, 25, 650-655.	0.0	0
1997	Biochips: Focusing on Surfaces and Surface Modification. Advances in Experimental Medicine and Biology, 2004, 553, 149-166.	0.8	2
1998	Preparation of Self-Assembled Thiol Monolayer Coated Copper Surfaces with Wettability Gradient. Kagaku Kogaku Ronbunshu, 2005, 31, 138-143.	0.1	2
1999	Title is missing!. Shinku/Journal of the Vacuum Society of Japan, 2005, 48, 421-425.	0.2	0
2000	Layered Polyelectrolyte Assemblies. , 2005, , 665-724.		0

#	Article	IF	CITATIONS
2001	Layered Polyelectrolyte Assemblies. , 2005, , .		0
2002	Self-Assembled Monolayers in Mammalian Cell Cultures. , 2005, , 199-215.		1
2003	Formation of solid lubricant layer of carbon onion compounded with self-assembled monolayer and gold. Journal of the Japan Society for Precision Engineering Contributed Papers, 2006, 72, 106-110.	0.0	0
2005	Construction of Polymers by RAFT Polymerization on Hydrogen-terminated Si (111) Surface. Transactions of the Materials Research Society of Japan, 2007, 32, 1227-1230.	0.2	0
2006	STM Studies on Molecular Assembly at Solid/Liquid Interfaces. Nanoscience and Technology, 2007, , 65-100.	1.5	0
2008	Biological- and Chemical-Mediated Self-Assembly of Artificial Micro- and Nanostructures. The Electrical Engineering Handbook, 2007, , 17-1-17-38.	0.2	1
2009	Self-Assembled Monolayers., 2008,, 3738-3746.		0
2010	Characterization of Surfactant Monolayer by Vibrational Spectroscopy. Oleoscience, 2009, 9, 165-173.	0.0	1
2011	FORMATION AND INVESTIGATIONS OF BIOSELECTIVE ELEMENT OF SURFACE PLASMON RESONANCE SENSOR FOR RECOGNITION OF SPECIFIC OLIGONUCLEOTIDE SEQUENCES. Sensor Electronics and Microsystem Technologies, 2014, 6, 63-72.	0.1	0
2012	Controlling Wear on Nanoscale. Nanoscience and Technology, 2010, , 647-686.	1.5	1
2013	Wettability and Friction Control of Soft Materials Based on Biomimetic Approach. Hyomen Kagaku, 2010, 31, 276-282.	0.0	0
2015	Nanoimaging, Molecular Interaction, and Nanotemplating of Human Rhinovirus. Nanoscience and Technology, 2011, , 589-643.	1.5	0
2016	Biosensing for Food Safety. Contemporary Food Engineering, 2010, , 89-122.	0.2	0
2018	Temperature Dependence of Molecular Packing in Self-Assembled Monolayer Films. , 2011, , 103-118.		0
2019	Preparations of Universal, Functionalized Long-Chain Alkylthiol Linkers for Self-assembled Monolayers. Korean Chemical Engineering Research, 2011, 49, 330-337.	0.2	0
2020	Nanostructures for Surface Functionalization and Surface Properties., 2012,, 1828-1841.		0
2021	Coordination Chemical Approach to Surface Molecular Devices: Molecular Basis toward Surface Programming. Bulletin of Japan Society of Coordination Chemistry, 2012, 60, 2-23.	0.1	1
2022	Fabrication of Functional Soft Interfaces Using Polymer-Binding Peptides. Hyomen Kagaku, 2012, 33, 21-26.	0.0	0

#	Article	IF	CITATIONS
2024	Biological- and Chemical-Mediated Self-Assembly of Artificial Micro- and Nanostructures. The Electrical Engineering Handbook, 2012, , 313-350.	0.2	0
2025	Characterizations of Modified Silica Nanoparticles(I). Korean Journal of Materials Research, 2012, 22, 275-279.	0.1	2
2026	Theoretical study of adsorption of propanethiol on Au(111) surface at different coverages. Wuli Xuebao/Acta Physica Sinica, 2013, 62, 223101.	0.2	1
2027	Nucleic Acid Sensing onto Peptide Nucleic Acid (PNA) Modified Solid Surfaces. Journal of Bioanalysis & Biomedicine, 2013, 05, .	0.1	0
2028	Ion Channel Switch- and Lipid Film-Based Biosensors. Series in Sensors, 2013, , 197-230.	0.0	0
2029	Self-assembling Of Nanostructures. , 2013, , 459-482.		0
2030	Stratified Interpolyelectrolyte Complexes: Fabrication, Structure and Properties. Engineering Materials, 2014, , 299-347.	0.3	4
2031	DNA-Conjugated Metal Nanoparticles: Chip Detection Applications. , 2014, , 1225-1232.		0
2032	New Approaches to the Production of Porous Silicon by Stain Etching. , 2014, , 61-100.		0
2033	Interfacial Electron Transfer Reactions of Heme Proteins. , 1989, , 81-90.		0
2034	Organic thin film fabricated by molecular beam deposition and its characterization. , 1994, , 243-246.		0
2035	Domains and Superlattices in Self-Assembled Monolayers of Long-Chain Molecules. , 1994, , 149-159.		0
2036	Supramolecular Assemblies from "Tinkertoy―Rigid-Rod Molecules. , 1995, , 132-160.		2
2037	Single Electron Tunneling in Molecular Nanostructures of Crystalline Gold Clusters Attached by Dithiols to Au $[111]$ : Direct I(V) Measurements of Individual Surface Attached Gold Clusters by STM., 1997,, 489-501.		0
2038	Nano-structure of Self-assembled Alkanethiol Monolayers Hyomen Kagaku, 1999, 20, 33-37.	0.0	0
2039	A Surface Plasmon Resonance Study of the Binding of Antibody LDS47 to Self-assembled Monolayers of Cysteine Containing Peptides. Journal of Chemical Research, 1999, 23, 42-43.	0.6	0
2040	Glucose Sensors Using Lipoic Acid Self-Assembled Monolayers. Journal of Sensor Science and Technology, 2014, 23, 295-298.	0.1	1
2041	Catalytic Applications of Noble Metal Nanoparticles Produced by Sonochemical Reduction of Noble Metal Ions., 2015,, 1-39.		O

#	Article	IF	CITATIONS
2043	The Electrochemistry of Peptide Self-Assembled Monolayers. , 2015, , 1-48.		0
2045	Solid Supports: Polymer Particle Assembly onto., 0,, 7484-7499.		O
2046	Investigation of Wetting Characteristics of Polymer Surfaces according to Electron Beam Irradiation. Journal of the Korean Society for Precision Engineering, 2016, 33, 45-51.	0.1	0
2047	Nanostructures for Surface Functionalization and Surface Properties. , 2016, , 2844-2859.		O
2048	Synthesis of Copoly(amide-imide)s Based on Silica Nano Particles-polyacrylamide. Elastomers and Composites, 2016, 51, 138-146.	0.1	0
2050	Including London Dispersion Forces in Density Functional Theory (DFT + D): Applications to Molecule(Atom)/Surface Phenomena., 2018,, 1-9.		O
2051	Protein and Peptide-Mediated Synthesis of Magnetic Nanoparticles and Arrays for Biomedicine and Future Data Storage., 2018,, 95-133.		0
2052	Colloidal Lithography. , 2018, , 805-814.		O
2053	Surface Modification to Improve Biocompatibility., 2019, , 471-487.		0
2054	Smart Hybrid Nanomaterials Based on Silicaand Metal Ions/Nanoparticles Conjugates For Biosensing. Research & Development in Material Science, 2019, 10, .	0.1	O
2055	Connecting DNA Origami Structures into a Designed and Functionalized Network. Journal of Materials Science Research, 2020, 8, 14.	0.1	0
2057	Functional Interface Passivation of Hybrid PEDOT:PSS Silicon Solar Cells via Silicon Hydrosilylation., 2020,,.		0
2058	Dopamine-Based Materials: Recent Advances in Synthesis Methods and Applications. Nanostructure Science and Technology, 2022, , 133-164.	0.1	2
2059	Tetrahydrofuran Highly Enhances <scp>SAMDI</scp> Efficiency. Bulletin of the Korean Chemical Society, 2021, 42, 369-371.	1.0	O
2060	Multicomponent Nanoscale Patterning of Functional Lightâ€Harvesting Protein Complexes by Local Oxidation Lithography. Advanced Materials Interfaces, 2021, 8, 2001670.	1.9	0
2061	Nanomaterial for Biosensors. , 2020, , 35-61.		O
2062	Self-assembly of Organic Molecules at Metal Surfaces. Springer Handbooks, 2020, , 967-1004.	0.3	1
2063	Nanometer-Scale Electronics and Storage. , 2005, , 333-354.		O

#	Article	IF	CITATIONS
2064	Scanning Probe Measurements of Electron Transport in Molecules. , 2007, , 395-422.		О
2065	Electrochromism., 0,, 291-336.		0
2066	Hydrophilic surfaces via the self-assembly of nitrile-terminated alkanethiols on gold. AIMS Materials Science, 2018, 5, 171-189.	0.7	0
2067	Introductory Chapter: Self-Assembly of Nanostructures. , 0, , .		1
2068	Self Assembled Monolayers and Carbon Nanotubes: A Significant Tool's for Modification of Electrode Surface. Sensor Letters, 2020, 18, 669-685.	0.4	1
2069	Strain modulation on the spin transport properties of PTB junctions with MoC <sub>2</sub> electrodes. Physical Chemistry Chemical Physics, 2022, 24, 3875-3885.	1.3	4
2070	Patterning Functionalized Surfaces of 2D Materials by Nanoshaving. Nanomanufacturing and Metrology, 2022, 5, 23-31.	1.5	1
2071	Computational design of cutin derivative bio-materials from fatty acids. , 2022, , 215-243.		0
2072	Metal-nanocluster science and technology: my personal history and outlook. Physical Chemistry Chemical Physics, 2022, 24, 7569-7594.	1.3	15
2074	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
2075	Electrochemical and X-ray Photoelectron Spectroscopy Surface Characterization of Interchain-Driven Self-Assembled Monolayer (SAM) Reorganization. Nanomaterials, 2022, 12, 867.	1.9	3
2076	Synthesis, characterization, theoretical calculation, DNA binding, molecular docking, anticovid-19 and anticancer chelation studies of some transition metal complexes. Inorganic and Nano-Metal Chemistry, 2022, 52, 1273-1288.	0.9	12
2077	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
2078	Electrochemically fabricated molecule–electrode contacts for molecular electronics. Current Opinion in Electrochemistry, 2022, 34, 101019.	2.5	9
2079	Adsorption Structure and Reactivity of a Putative Asymmetric Molecular Conductor; 4-Isocyanophenyl Disulfide on Au(111). Journal of Physical Chemistry C, 2022, 126, 6601-6611.	1.5	3
2080	pH-Induced Changes in the SERS Spectrum of Thiophenol at Gold Electrodes during Cyclic Voltammetry. Journal of Physical Chemistry C, 2022, 126, 7680-7687.	1.5	3
2081	Combinatorial Method for Surface-Confined Sensor Design and Fabrication., 2005, , 169-188.		0
2087	Surface Functionalization and Texturing of Optical Metasurfaces for Sensing Applications. Chemical Reviews, 2022, 122, 14990-15030.	23.0	29

#	Article	IF	CITATIONS
2093	Electrochemical Investigation of Self-Assembling Monolayers toward Ultrasensitive Sensing. , 2022, , .		0
2094	Single-Stranded Deoxyribonucleic Acid Bonded to Sub-Percolated Gold Films on Monolayer Graphene Field-Effect Transistors as Coronavirus Ribonucleic Acid Sensors. ACS Applied Nano Materials, 2022, 5, 9728-9736.	2.4	3
2095	Kinetic control of self-assembly using a low-energy electron beam. Applied Surface Science, 2022, 600, 154106.	3.1	5
2096	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
2097	The 2022 Kavli Prize in Nanoscience: Self-Assembled Monolayers. ACS Nano, 2022, 16, 9965-9967.	7.3	2
2098	Cystine-assisted accumulation of gold nanoparticles on ZnO to construct a sensitive surface-enhanced Raman spectroscopy substrate. Frontiers of Chemical Science and Engineering, 0, , .	2.3	0
2099	Progress in the synthesis, characterisation, property enhancement techniques and application of gold nanoparticles: A review. MRS Communications, 2022, 12, 700-715.	0.8	5
2100	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
2101	Thiol-Based Probe Linker with Antifouling Properties for Aptasensor Development. Chemosensors, 2022, 10, 435.	1.8	4
2102	Exploration of a Flexible Metasurface for Strain Sensors: A Perspective from 2D Grating Fabrication to Spectral Characterization. Applied Sciences (Switzerland), 2022, 12, 10007.	1.3	1
2103	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
2104	Use of phase angle in alternating voltammetry on redox self-assembled monolayers with intermolecular interactions. Journal of Electroanalytical Chemistry, 2022, 925, 116914.	1.9	1
2105	A Kavli prize at the interface. Nature Nanotechnology, 2022, 17, 1127-1127.	15.6	0
2106	Exploring the theoretical foundation of molecular assembly: current status and opportunities. Scientia Sinica Chimica, 2023, 53, 145-173.	0.2	2
2107	Carbonized polydopamine layer-protected silicon substrates for light-addressable electrochemical sensing and imaging. Talanta, 2023, 254, 124124.	2.9	0
2108	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
2109	Reviewâ€"Lithium Carbon Composite Material for Practical Lithium Metal Batteries. Chinese Journal of Chemistry, 2023, 41, 814-824.	2.6	4
2110	Spontaneous Intercluster Electron Transfer X <sup>2â€"</sup> + X <sup>0</sup> â†' 2 X <sup>â€"</sup> (X =) To the American Chemical Society, 2023, 145, 3361-3368.	j ETQq1 1 6.6	0.784314 rg

#	Article	IF	CITATIONS
2111	Surface Enhanced and Unenhanced Raman Scattering of Alkanethiols Adsorbed on Silver and Gold Surfaces. , $1990, , .$		0
2112	Review on Molecularly Controlled Design of Electrodes for Metal–Air Batteries: Fundamental Concepts and Future Directions. Energy & Samp; Fuels, 2023, 37, 5689-5711.	2.5	3
2113	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
2114	Understanding ligand-protected noble metal nanoclusters at work. Nature Reviews Materials, 2023, 8, 372-389.	23.3	40
2115	Recent developments in open tubular liquid chromatography and electrochromatography from 2019–2021. TrAC - Trends in Analytical Chemistry, 2023, 164, 117045.	5.8	4
2124	Engineering Surfaces. , 2020, , 54-64.		0
2136	Self-assembled monolayer–based nanoscaled surfaces. , 2024, , 1-25.		0
2140	Modification of electrodes with self-assembled monolayersâ€" general principles. Journal of Solid State Electrochemistry, 2024, 28, 711-755.	1.2	1
2141	Ionic Liquids for Gas and Vapor Sensing Applications. , 2023, , 1-44.		0
2143	What can molecular assembly learn from catalysed assembly in living organisms?. Chemical Society Reviews, 2024, 53, 1892-1914.	18.7	0
2147	Direct Patterning of Carbon Nanostructures. , 2024, , 1-37.		0