CITATION REPORT List of articles citing

Self-assembled monolayers of thiolates on metals as a form of nanotechnology

DOI: 10.1021/cr0300789 Chemical Reviews, 2005, 105, 1103-69.

Source: https://exaly.com/paper-pdf/38137254/citation-report.pdf

Version: 2024-04-08

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
2310	Surface plasmon resonance for characterization of large-area atomic-layer graphene film. 2016 , 3, 151		
2309	A General Approach To Combine the Advantages of Collinear and Noncollinear Spectrometer Designs in Phase-Resolved Second-Order Nonlinear Spectroscopy.		
2308	Determination of the Local Electric Field at Au/SAM Interfaces Using the Vibrational Stark Effect.		
2307	Spatially Heterogeneous Water Properties at Disordered Surfaces Decrease the Hydrophobicity of Nonpolar Self-Assembled Monolayers.		
2306	Influence of Temperature on the Nanoadhesion of a Methyl-Terminated Thiol Monolayer: A New Insight with High-Rate Dynamic Force Spectroscopy.		
2305	Effect of the Chain Length and Temperature on the Adhesive Properties of Alkanethiol Self-Assembled Monolayers.		
2304			
2303	Molecular Occupancy of Nanodot Arrays.		
2302	Interactions and Attachment Pathways between Functionalized Gold Nanorods.		
2301	Tracking Airborne Molecules from Afar: Three-Dimensional MetalOrganic Framework-Surface-Enhanced Raman Scattering Platform for Stand-Off and Real-Time Atmospheric Monitoring.		
2300	Interpolymer Complexation as a Strategy for Nanoparticle Assembly and Crystallization.		
2299	Direct Measurement of Water Permeation in Submerged Alkyl Thiol Self-Assembled Monolayers on Gold Surfaces Revealed by Neutron Reflectometry.		
2298	Grafting To of Bottlebrush Polymers: Conformation and Kinetics.		
2297	Aluminum Film-Over-Nanosphere Substrates for Deep-UV Surface-Enhanced Resonance Raman Spectroscopy.		
2296	On-Demand Modulation of Bacterial Cell Fates on Multifunctional Dynamic Substrates.		
2295	Structural and chemical characterization of monofluoro-substituted oligo(phenylene-ethynylene) thiolate self-assembled monolayers on gold. 2004 , 20, 6195-205		34
2294	Monolayer-protected nanoparticle-protein interactions. 2005 , 9, 639-46		89

(2005-2005)

2293	Solvent dependent dimercaptothiadiazole monolayers on gold electrode for the simultaneous determination of uric acid and ascorbic acid. 2005 , 7, 1271-1276	35
2292	Covalent bonding of alkene and alkyne reagents to graphitic carbon surfaces. 2005 , 21, 11105-12	33
2291	Selective nucleation and growth of metal-organic open framework thin films on patterned COOH/CF3-terminated self-assembled monolayers on Au(111). 2005 , 127, 13744-5	490
2290	A perspective on surfaces and interfaces. 2005 , 437, 638-9	60
2289	Engineering silicon oxide surfaces using self-assembled monolayers. 2005 , 44, 6282-304	610
2288	Gestaltung der Siliciumoxidoberflähe durch selbstorganisierte Monoschichten. 2005, 117, 6438-6462	48
2287	Freestanding Nanosheets from Crosslinked Biphenyl Self-Assembled Monolayers. 2005 , 17, 2583-2587	144
2286	Self-Assembled Monolayers of Thiolates on Metals as a Form of Nanotechnology. 2005 , 36, no	6
2285	Redox-functionalized Ligands: From Molecular Electrochemical Sensors to Nanostructured Surfaces. 2005 , 631, 2957-2966	13
2284	Microvia Filling over Self-Assembly Disulfide Molecule on Au and Cu Seed Layers. 2005 , 8, C161	31
2283	Making Things by Self-Assembly. 2005 , 30, 736-742	155
2282	Synthesis and characterization of photolabile aminoterpolymers for covalent attachment onto gold substrates. 2005 , 8, 629-644	4
2281	The directional contact distance of two ellipsoids: coarse-grained potentials for anisotropic interactions. 2005 , 123, 194111	53
2280	Theoretical study of ethynylbenzene adsorption on Au(111) and implications for a new class of self-assembled monolayer. 2005 , 109, 20387-92	58
2279	New approaches to nanofabrication: molding, printing, and other techniques. <i>Chemical Reviews</i> , 2005 , 105, 1171-96	1680
2278	Thioctic acid amides: convenient tethers for achieving low nonspecific protein binding to carbohydrates presented on gold surfaces. 2005 , 3334-6	39
2277	Electrochemical self-assembly of alkanethiolate molecules on Ni(111) and polycrystalline Ni surfaces. 2005 , 109, 23450-60	39
2276	Monolayers of diphenyldiacetylene derivatives: Tuning molecular tilt angles and photopolymerization efficiency via electrodeposited Ag interlayer on Au. 2005 , 109, 19161-8	32

2275	Orientation and Mg Incorporation of Calcite Grown on Functionalized Self-Assembled Monolayers: A Synchrotron X-ray Study. 2005 , 5, 2139-2145	27
2274	High resolution printing of DNA feature on poly(methyl methacrylate) substrates using supramolecular nano-stamping. 2005 , 127, 16774-5	45
2273	Beta-1,3-glucan polysaccharides as novel one-dimensional hosts for DNA/RNA, conjugated polymers and nanoparticles. 2005 , 4383-98	109
2272	Study of the kinetics of the pancake-to-brush transition of poly(N-isopropylacrylamide) chains. 2005 , 109, 22603-7	65
2271	Surface-enhanced infrared ellipsometry of self-assembled undecanethiol and dodecanethiol monolayers on disordered gold nanoisland substrates. 2005 , 109, 20914-22	16
2270	Directed assembly of Au nanoparticles onto planar surfaces via multiple hydrogen bonds. 2005 , 21, 8414-21	79
2269	3-methylthiophene self-assembled monolayers on planar and nanoparticle Au surfaces. 2005 , 109, 19397-402	29
2268	Patterned growth of large oriented organic semiconductor single crystals on self-assembled monolayer templates. 2005 , 127, 12164-5	219
2267	Structure of tert-butyl carbamate-terminated thiol chemisorbed to gold. 2005 , 109, 16040-6	8
2266	In-plane enyne metathesis and subsequent Diels-Alder reactions on self-assembled monolayers. 2005 , 21, 10311-5	10
2265	Nanotechnology. 2005 ,	
2264	Electrochemical, Magnetic, and Electrical Properties of #Capped Sexithiophene Films. 1. Neutral B olaron and Polaron B ipolaron Conductivities. 2005 , 17, 6492-6502	32
2263	Dodecanethiol-protected copper/silver bimetallic nanoclusters and their surface properties. 2005 , 109, 22228-36	42
2262	Highly reproducible hybridization assay of zeptomole DNA based on adsorption of nanoparticle-bioconjugate. 2005 , 130, 1589-94	14
2261	Self-assembled monolayers of alkanethiols on Au(111): surface structures, defects and dynamics. 2005 , 7, 3258-68	279
2260	Nucleic acid biosensors based upon surface-assembled monolayers: exploiting and enhancing materials properties. 2005 , 15, 4876	19
2259	Preparation of alkanethiol monolayers on mild steel surfaces studied with sum frequency generation and electrochemistry. 2005 , 109, 15520-30	41
2258	A Facile Synthesis Route to Thiol-Functionalized #Telechelic Polymers via Reversible Addition Fragmentation Chain Transfer Polymerization. 2005 , 38, 8597-8602	129

(2006-2005)

2257	pH-controlled switching of photocurrent direction by self-assembled monolayer of helical peptides. 2005 , 127, 14564-5	73
2256	Copper(II) nanosensor based on a gold cysteamine self-assembled monolayer functionalized with salicylaldehyde. 2006 , 78, 4957-63	84
2255	Time-dependent organization and wettability of decanethiol self-assembled monolayer on Au(111) investigated with STM. 2006 , 110, 1794-9	35
2254	Structure, bonding nature, and binding energy of alkanethiolate on As-rich GaAs (001) surface: a density functional theory study. 2006 , 110, 23619-22	30
2253	Nano-structured micropatterns by combination of block copolymer self-assembly and UV photolithography. 2006 , 17, 5027-5032	56
2252	Ultrastable substrates for surface-enhanced Raman spectroscopy: Al2O3 overlayers fabricated by atomic layer deposition yield improved anthrax biomarker detection. 2006 , 128, 10304-9	370
2251	Methanethiolate adsorption site on Au(111): a combined STM/DFT study at the single-molecule level. 2006 , 110, 21161-7	75
2250	Direct observation of surface-mediated thioacetyl deprotection: covalent tethering of a thiol-terminated porphyrin to the Ag(100) surface. 2006 , 128, 9578-9	19
2249	Mixed azide-terminated monolayers: a platform for modifying electrode surfaces. 2006 , 22, 2457-64	329
2248	Adsorption and dimerisation of thiol molecules on Au(111) using a Z-matrix approach in density functional theory. 2006 , 32, 1219-1225	19
2247	From homoligand- to mixed-ligand- monolayer-protected metal nanoparticles: a scanning tunneling microscopy investigation. 2006 , 128, 11135-49	174
2246	Gold-adatom-mediated bonding in self-assembled short-chain alkanethiolate species on the Au(111) surface. 2006 , 97, 146103	411
2245	Photon-based Nanoscience and Nanobiotechnology. 2006 ,	5
2244	Epi-Fluorescence Microscopy Studies of Potential Controlled Changes in Adsorbed Thin Organic Films at Electrode Surfaces. 2006 , 97-126	6
2243	Surface microscopic structure and electrochemical rectification of a branched alkanethiol self-assembled monolayer. 2006 , 110, 1102-6	37
2242	First-principles study of charge transport across alkene thiolate self-assembled monolayers. 2006,	
2241	Electrochemically deposited Pd islands on an organic surface: the presence of Coulomb blockade in STM I(V) curves at room temperature. 2006 , 8, 3375-8	37
2240	Multilayer films based on host-guest interactions between biocompatible polymers. 2006 , 3220-2	53

2239	Formation and removal of alkylthiolate self-assembled monolayers on gold in aqueous solutions. 2006 , 6, 289-95	36
2238	Room temperature thermal conductance of alkanedithiol self-assembled monolayers. 2006 , 89, 173113	142
2237	Implementation of a Z-matrix approach within the SIESTA periodic boundary conditions code and its application to surface adsorption. 2006 , 32, 595-600	9
2236	Novel 3,4-disubstituted thiophenes for weak passivation of Au nanoparticles. 2006 , 1, 143-164	3
2235	Reactivity in organised assemblies. 2006 , 102, 357	6
2234	Assembled monolayers of Mo3S4(4+) clusters on well-defined surfaces. 2006 , 3985-90	28
2233	In situ observation of place exchange reactions of gold nanoparticles. Correlation of monolayer structure and stability. 2006 , 2347-9	47
2232	Novel tripod ligands for prickly self-assembled monolayers. 2006 , 2767-77	54
2231	Sieving behaviour of nanoscopic pores by hydrated ions. 2006 , 2167-9	1
2230	Exposure of monomolecular lithographic patterns to ambient: an X-ray photoemission spectromicroscopy study. 2006 , 110, 17878-83	18
2229	Self-assembly of C(60) pi-extended tetrathiafulvalene (exTTF) dyads on gold surfaces. 2006, 22, 10619-24	13
2228	Exploring three-dimensional nanosystems with Raman spectroscopy: methylene blue adsorbed on thiol and sulfur monolayers on gold. 2006 , 110, 354-60	40
2227	Stabilization of Ethymotrypsin at air-water interface through surface binding to gold nanoparticle scaffolds. 2006 , 2, 558-560	42
2226	Ion recognition properties of self-assembled monolayers (SAMs). 2006 , 4461-73	87
2225	Structural and kinetic properties of laterally stabilized, oligo(ethylene glycol)-containing alkylthiolates on gold: a modular approach. 2006 , 1, 22	12
2224	Electrochemistry using self-assembled DNA monolayers on highly oriented pyrolytic graphite. 2006 , 22, 7917-22	73
2223	Engineering the nanoparticle-biomacromolecule interface. 2006 , 2, 190-204	113
2222	Rate of interfacial electron transfer through the 1,2,3-triazole linkage. 2006 , 110, 15955-62	115

2221	THE APPLICATION OF GOLD SURFACES AND PARTICLES IN NANOTECHNOLOGY. 2006 , 13, 297-307	28
2220	Efficient and Convenient Synthesis of ₩inyl Sulfides in Nickel-Catalyzed Regioselective Addition of Thiols to Terminal Alkynes under Solvent-Free Conditions. 2006 , 25, 1970-1977	101
2219	Resolving electron transfer kinetics at the nanocrystal/solution interface. 2006, 128, 4922-3	11
2218	Template-assisted patterning of nanoscale self-assembled monolayer arrays on surfaces. 2006 , 22, 8078-82	17
2217	Maximizing DNA loading on a range of gold nanoparticle sizes. 2006 , 78, 8313-8	887
2216	Synthetic architecture of interior space for inorganic nanostructures. 2006 , 16, 649-662	436
2215	Electron transport and redox reactions in carbon-based molecular electronic junctions. 2006, 8, 2572-90	71
2214	Differential labeling of closely spaced biosensor electrodes via electrochemical lithography. 2006 , 22, 1932-6	28
2213	Multi[2]rotaxanes with gold nanoparticles as centers. 2006 , 8, 1267-70	22
2212	Electronic and geometric characterization of the L-cysteine paired-row phase on Au(110). 2006 , 22, 11193-8	40
2212	Electronic and geometric characterization of the L-cysteine paired-row phase on Au(110). 2006, 22, 11193-8 Topography printing to locally control wettability. 2006, 128, 7730-1	40 67
2211		67
2211	Topography printing to locally control wettability. 2006 , 128, 7730-1	67
2211 2210 2209	Topography printing to locally control wettability. 2006 , 128, 7730-1 Surface characterization of sulfur and alkanethiol self-assembled monolayers on Au(111). 2006 , 18, R867-R90 Electron transport through rectifying self-assembled monolayer diodes on silicon: Fermi-level	67 0143
2211 2210 2209	Topography printing to locally control wettability. 2006, 128, 7730-1 Surface characterization of sulfur and alkanethiol self-assembled monolayers on Au(111). 2006, 18, R867-R90 Electron transport through rectifying self-assembled monolayer diodes on silicon: Fermi-level pinning at the molecule-metal interface. 2006, 110, 13947-58	67 0 ₁₄₃ 73
2211 2210 2209 2208	Topography printing to locally control wettability. 2006, 128, 7730-1 Surface characterization of sulfur and alkanethiol self-assembled monolayers on Au(111). 2006, 18, R867-R90 Electron transport through rectifying self-assembled monolayer diodes on silicon: Fermi-level pinning at the molecule-metal interface. 2006, 110, 13947-58 In vivo glucose measurement by surface-enhanced Raman spectroscopy. 2006, 78, 7211-5 A comprehensive study of self-assembled monolayers of anthracenethiol on gold: solvent effects, structure, and stability. 2006, 128, 1723-32	67 0143 73
2210 2209 2208 2207	Topography printing to locally control wettability. 2006, 128, 7730-1 Surface characterization of sulfur and alkanethiol self-assembled monolayers on Au(111). 2006, 18, R867-R90 Electron transport through rectifying self-assembled monolayer diodes on silicon: Fermi-level pinning at the molecule-metal interface. 2006, 110, 13947-58 In vivo glucose measurement by surface-enhanced Raman spectroscopy. 2006, 78, 7211-5 A comprehensive study of self-assembled monolayers of anthracenethiol on gold: solvent effects, structure, and stability. 2006, 128, 1723-32 Alkanethiol monolayers at reduced and oxidized zinc surfaces with corrosion protection: a sum	67 0143 73 294 138

2203	Adsorption of polymeric micelles and vesicles on a surface investigated by quartz crystal microbalance. 2006 , 110, 21055-9	23
2202	Molecular conformation changes in alkylthiol ligands as a function of size in gold nanoparticles: X-ray absorption studies. 2006 , 74,	18
2201	Thermal behavior of perfluoroalkylsiloxane monolayers on the oxidized Si(100) surface. 2006 , 22, 2726-30	31
2200	Side-by-side characterization of electron tunneling through monolayers of isomeric molecules: a combined experimental and theoretical study. 2006 , 110, 24797-801	8
2199	Protein interactions with self-assembled monolayers presenting multimodal ligands: a surface plasmon resonance study. 2006 , 22, 10152-6	21
2198	Self-assembled monolayers on Pt(111): molecular packing structure and strain effects observed by scanning tunneling microscopy. 2006 , 128, 5745-50	24
2197	Direct Preparation and Patterning of Iron Oxide Nanoparticles via Microcontact Printing on Silicon Wafers for the Growth of Single-Walled Carbon Nanotubes. 2006 , 18, 4109-4114	38
2196	Water exclusion at the nanometer scale provides long-term passivation of silicon (111) grafted with alkyl monolayers. 2006 , 110, 5576-85	51
2195	Tuning molecule-surface interactions with sub-nanometer-thick covalently bound organic monolayers. 2006 , 110, 11334-43	2
2194	Preparation and structure of a low-density, flat-lying decanethiol monolayer from the densely packed, upright monolayer on gold. 2006 , 22, 174-80	19
2193	Interpretation of stochastic events in single molecule conductance measurements. 2006 , 6, 2362-7	109
2192	Self-assembled monolayers of ferrocene-substituted biphenyl ethynyl thiols on gold. 2006 , 110, 24621-8	43
2191	Ion permeability of SAMs on nanoparticle surfaces. 2006 , 128, 14341-6	26
2190	Controlled Assembly of 1,4-Phenylenedimethanethiol Molecular Nanostructures. 2006 , 18, 2376-2380	13
2189	C-HF hydrogen bonding: the origin of the self-assemblies of bis(2,2'-difluoro-1,3,2-dioxaborine). 2006 , 22, 4750-7	31
2188	Au nanoparticles encapsulated in Ru carbonyl carboxylate shells. 2006 , 22, 7861-6	15
2187	Towards combined electrochemistry and surface-enhanced resonance Raman of heme proteins: Improvement of diffusion electrochemistry of cytochrome c at silver electrodes chemically modified with 4-mercaptopyridine. 2006 , 78, 5622-5	26
2186	Room-temperature isolation of V(benzene)2 sandwich clusters via soft-landing into n-alkanethiol self-assembled monolayers. 2006 , 110, 16008-17	47

(2006-2006)

2185	Dynamic and collective electrochemical responses of tetrathiafulvalene derivative self-assembled monolayers. 2006 , 110, 20401-8	29
2184	Seeded growth of asymmetric binary nanocrystals made of a semiconductor TiO2 rodlike section and a magnetic gamma-Fe2O3 spherical domain. 2006 , 128, 16953-70	153
2183	Optically transparent Au{111} substrates: flat gold nanoparticle platforms for high-resolution scanning tunneling microscopy. 2006 , 128, 6052-3	45
2182	Nanopatterning proteins and peptides. 2006 , 2, 928-939	190
2181	Single molecule observations of the adsorption sites of methyl isocyanide on Pt(111) by low-temperature scanning tunneling microscopy. 2006 , 110, 20344-9	15
2180	Self-assembled monolayers from biphenyldithiol derivatives: optimization of the deprotection procedure and effect of the molecular conformation. 2006 , 110, 4307-17	78
2179	A retro-Diels-Alder reaction to uncover maleimide-modified surfaces on monolayer-protected nanoparticles for reversible covalent assembly. 2006 , 8, 4993-6	47
2178	Photolabile carboxylic acid protected terpolymers for surface patterning. Part 1: Polymer synthesis and film characterization. 2006 , 22, 9436-45	12
2177	Spectroscopic characterization of omega-substituted biphenylthiolates on gold and their use as substrates for "on-top" siloxane SAM formation. 2006 , 22, 4170-8	20
2176	Surface structure and interface dynamics of alkanethiol self-assembled monolayers on Au(111). 2006 , 110, 2793-7	96
2175	Phase separation of a mixed self-assembled monolayer prepared via a stepwise method. 2006 , 22, 4885-9	39
2174	Rich coordination chemistry of Au adatoms in gold sulfide monolayer on Au(111). 2006, 110, 15663-5	39
2173	STM study of mixed alkanethiol/biphenylthiol self-assembled monolayers on Au(111). 2006 , 22, 3021-7	51
2172	Structural changes in self-assembled monolayers initiated by ultraviolet light. 2006 , 110, 15951-4	11
2171	Fluoro-N,N,N',N'-tetramethylformamidinium hexafluorophosphate: a reagent for formation of interchain carboxylic anhydrides on self-assembled monolayers. 2006 , 22, 6956-60	4
2170	Order and composition of methyl-carboxyl and methyl-hydroxyl surface-chemical gradients. 2006 , 22, 4184-9	27
2169	Noncovalent nanoarchitectures on surfaces: from 2D to 3D nanostructures. 2006 , 16, 3997	66
2168	Metal core bonding motifs of monodisperse icosahedral Au13 and larger Au monolayer-protected clusters as revealed by X-ray absorption spectroscopy and transmission electron microscopy. 2006 , 110, 14564-73	75

2167	Gold nanoparticle-based pH sensor in highly alkaline region at pH > 11: surface-enhanced Raman scattering study. 2006 , 60, 847-52	31
2166	Self-Assembled Monolayer on Silicon. 2006 , 57-91	2
2165	. 2006,	56
2164	Synthetic Architecture of Inorganic Nanomaterials. 2006 , 25-56	
2163	. 2006,	22
2162	Photochromism of Diarylethenes on Gold and Silver Nanoparticles. 2006 , 79, 1413-1419	32
2161	Molecular Assemblies of Functional Molecules on Gold Electrode Surfaces Studied by Electrochemical Scanning Tunneling Microscopy: Relationship between Function and Adlayer Structures. 2006 , 79, 1167-1190	65
2160	Adsorption Behavior of 6-Octylthio-1,3,5-triazine-2,4-dithiol Monosodium on Au(111) Investigated by Electrochemical Scanning Tunneling Microscopy. 2006 , 35, 1282-1283	4
2159	Methods of phosphor synthesis and related technology. 2006 ,	
2158	Aromatic Hydrocarbon Detection Using Self-Assembled Monolayer Coated Cantilevers. 2006, 915, 1	
2157	Plasmonic phenomena in metal nanoapertures and chip-scale instrumentation for biochemical sensing. 2006 ,	
2156	Thiol End-capped Molecules for Molecular Electronics: Synthetic Methods, Molecular Junctions and Structure B roperty Relationships. 353-392	1
2155	Directed fabrication of radially stacked multifunctional oxide heterostructures using soft electron-beam lithography. 2006 , 2, 274-80	30
2154	Small Molecule Microarrays: Applications Using Specially Tagged Chemical Libraries. 2006 , 25, 1009-1019	10
2153	From a two-dimensional chemical pattern to a three-dimensional topology through selective inversion of a liquid-liquid bilayer. 2006 , 5, 957-61	44
2152	Towards molecular electronics with large-area molecular junctions. 2006 , 441, 69-72	529
2151	Self assembled monolayers on silicon for molecular electronics. 2006 , 568, 84-108	404
2150	Analytical techniques for characterization of organic molecular assemblies in molecular electronics devices. 2006 , 568, 2-19	11

(2006-2006)

2149	nanoparticles. 2006 , 567, 114-20	72
2148	Electrochemical detection of cysteine in a flow system based on reductive desorption of thiols from gold. 2006 , 575, 172-9	42
2147	A novel method for glucose determination based on electrochemical impedance spectroscopy using glucose oxidase self-assembled biosensor. 2006 , 69, 201-8	142
2146	Effects of organic ligands, electrostatic and magnetic interactions in formation of colloidal and interfacial inorganic nanostructures. 2006 , 122, 119-47	15
2145	Abnormal pinning of the Fermi and vacuum levels in monomolecular self-assembled films. 2006 , 428, 283-287	32
2144	Prediction of increased tunneling current by bond length stretch in molecular break junctions. 2006 , 429, 503-506	13
2143	Electronic transfer through Langmuir B lodgett layers of capped platinum nanoparticles: An electrochemical approach. 2006 , 51, 6076-6080	5
2142	Reactive IIP on ultrathin block copolymer films: Localized chemistry for micro- and nano-scale biomolecular patterning. 2006 , 42, 1954-1965	22
2141	Static and dynamic features of a helical hexapeptide chemisorbed on a gold surface. 2006 , 26, 918-923	16
2140	The use of alkanethiol self-assembled monolayers on 316L stainless steel for coronary artery stent nanomedicine applications: an oxidative and in vitro stability study. 2006 , 2, 182-90	32
2139	Adsorption behaviors of V2O5 nanowires on binary mixed self-assembled monolayers. 2006 , 253, 1528-1533	8
2138	Structure and bonding in cyclic thiolate complexes of copper, silver and gold. 2006 , 25, 2993-3005	22
2137	Study of the kinetics of mushroom-to-brush transition of charged polymer chains. 2006 , 47, 3157-3163	51
2136	Preparation and electrochemical properties of SAM of alkanethiols functionalized with 2-aza[3]ferrocenophane on gold electrode. 2006 , 691, 5935-5945	5
2135	Determination of dopamine in the presence of high concentration of ascorbic acid by using gold cysteamine self-assembled monolayers as a nanosensor. 2006 , 115, 614-621	139
2134	Substrate effects in poly(ethylene glycol) self-assembled monolayers on granular and flame-annealed gold. 2006 , 301, 337-41	8
2133	Influence of 4-cyano-4'-biphenylcarboxylic acid on the orientational ordering of cyanobiphenyl liquid crystals at chemically functionalized surfaces. 2006 , 304, 459-73	22
2132	Electrochemical and EQCM investigation of a selenium derivatized carotenoid in the self-assembled state at a gold electrode. 2006 , 593, 15-28	13

2131	Interfacial design and functionization on metal electrodes through self-assembled monolayers. 2006 , 61, 445-463	119
2130	Control of surface properties of self-assembled monolayers by tuning the degree of molecular asymmetry. 2006 , 600, 2847-2856	23
2129	Hierarchical self-assembly of all-organic photovoltaic devices. 2006 , 62, 2050-2059	71
2128	Synthesis of model long-chain Halkenyltrichlorosilanes and triethoxysilanes for the formation of self-assembled monolayers. 2006 , 62, 647-651	11
2127	Tetrathiafulvalene-based podands bearing one or two thiol functions: immobilization as self-assembled monolayers or polymer films, and recognition properties. 2006 , 62, 4419-4425	17
2126	Surface grafted polymer brushes as ideal building blocks for "smart" surfaces. 2006 , 8, 3815-23	256
2125	Dithiocarbamates: functional and versatile linkers for the formation of self-assembled monolayers. 2006 , 22, 658-63	147
2124	Structural control at the organicBolid interface. 2006 , 16, 32-44	63
2123	Superhydrophobic effects of self-assembled monolayers on micropatterned surfaces: 3-D arrays mimicking the lotus leaf. 2006 , 22, 11072-6	44
2122	Photoluminiscent Manganese Nanoparticles from Solid State Polyphosphazenes Organometallic Derivatives. 2006 , 16, 123-128	17
2121	Microsize and Nanosize BPO4 from Pyrolysis of a Carborane-Substituted Polyphosphazene. 2006 , 16, 211-218	11
2120	Using self-assembled monolayers for controlled electrodeposition of copper into submicrometer size surface features/decrements. 2006 , 10, 288-292	O
2119	Adsorption of short-chain alkanethiols on Ag(111) studied by direct recoiling spectroscopy. 2006 , 600, 2305-2316	19
2118	Organic/metal interfaces in self-assembled monolayers of conjugated thiols: A first-principles benchmark study. 2006 , 600, 4548-4562	122
2117	Characterization of iron surface modified by 2-mercaptobenzothiazole self-assembled monolayers. 2006 , 253, 2812-2819	43
2116	Effect of substrate potentials on the structural disorders of alkanethiol monolayers prepared by electrochemically directed assembly. 2006 , 597, 103-110	16
2115	Unexpectedly low affinity of aromatic disulfides for Estacking interactions of the arenepolyfluoroarene type. 2006 , 127, 746-754	4
2114	Immobilization and AFM of single 4 x 6-mer tarantula hemocyanin molecules. 2006 , 37, 735-41	4

(2006-2006)

2113	spectroscopy. 2006 , 298, 543-9	27
2112	Romping the cellular landscape: linear scaffolds for molecular recognition. 2006 , 16, 544-50	33
2111	Therapeutic possibilities of plasmonically heated gold nanoparticles. 2006 , 24, 62-7	503
2110	Factors Affecting the Polymorphic Outcome of Glycine Crystals Constrained on Patterned Substrates. 2006 , 29, 281-285	54
2 109	Electrochemical deposition onto self-assembled monolayers: new insights into micro- and nanofabrication. 2005 , 12, 38-49	37
2108	Detailed structural examinations of covalently immobilized gold nanoparticles onto hydrogen-terminated silicon surfaces. 2005 , 12, 314-23	38
2107	Magnetic-dipolar-interaction-induced self-assembly affords wires of hollow nanocrystals of cobalt selenide. 2006 , 45, 1220-3	213
2106	Multisegmented one-dimensional nanorods prepared by hard-template synthetic methods. 2006 , 45, 2672-92	447
2105	An approach to prepare membrane proteins for single-molecule imaging. 2006 , 45, 3252-6	28
2104	Multiplexed DNA detection with biobarcoded nanoparticle probes. 2006 , 45, 3303-6	231
2103	Universal ink for microcontact printing. 2006 , 45, 4355-8	20
2102	Cooperative self-assembly of adenosine and uridine nucleotides on a 2D synthetic template. 2006 , 45, 5340-4	20
2101	Onset of crystalline order in 1-nonanethiol monolayers deposited from solution. 2006 , 45, 6166-9	10
2100	Surface reactions on demand: electrochemical control of SAM-based reactions. 2006 , 45, 4894-7	50
2099	Electrochemical Desorption of Proteins from Gold Electrode Surface. 2006 , 18, 1885-1892	33
2098	Molecular-recognition and binding properties of cyclodextrin-conjugated polyrotaxanes. 2006 , 7, 1668-70	4
2097	Desorption/ionization on self-assembled monolayer surfaces (DIAMS). 2006 , 41, 830-3	23
2096	Multivalency in Ligand Design. 2006 , 11-53	86

Magnetic-Dipolar-Interaction-Induced Self-Assembly Affords Wires of Hollow Nanocrystals of Cobalt Selenide. 2006 , 118, 1242-1245	36
2094 Vielsegmentige Nanostße: Templatsynthese und Eigenschaften. 2006 , 118, 2738-2759	41
2093 An Approach To Prepare Membrane Proteins for Single-Molecule Imaging. 2006 , 118, 3330-3334	1
2092 Multiplexed DNA Detection with Biobarcoded Nanoparticle Probes. 2006 , 118, 3381-3384	52
2091 Universelle Tinte filden Mikrokontaktdruck. 2006 , 118, 4461-4465	3
Cooperative Self-Assembly of Adenosine and Uridine Nucleotides on a 2D Synthetic Template. 2090 2006 , 118, 5466-5470	11
2089 Onset of Crystalline Order in 1-Nonanethiol Monolayers Deposited from Solution. 2006 , 118, 6312-6315	
Oberfl E henreaktionen E ach BedarfEelektrochemische Steuerung von Reaktionen an selbstorganisierten Monoschichten. 2006 , 118, 5014-5018	7
2087 Assembly of Gold Nanoparticles in a Rod-Like Fashion Using Proteins as Templates. 2006 , 16, 395-400	28
Dip-Pen Nanolithography Using the Amide-Coupling Reaction with Interchain Carboxylic Anhydride- Terminated Self-Assembled Monolayers. 2006 , 16, 1031-1036	11
#Dithiol Oligo(phenylene vinylene)s for the Preparation of High-Quality #Conjugated Self-Assembled Monolayers and Nanoparticle- Functionalized Electrodes. 2006 , 16, 2387-2392	11
Combining Conventional Lithography with Molecular Self-Assembly for Chemical Patterning. 2006 , 18, 3258-3260	34
2083 Development of molecular logic array and memory device. 2006 ,	1
Tracking Single Molecular Diffusion on Glass Substrate Modified with Periodic Ag Nano-architecture. 2006 , 45, 6039-6042	6
Quantitative analysis of temperature effects in radiation damage of thiolate-based self-assembled monolayers. 2006 , 18, S1677-S1689	15
2080 Nanocomposites Based on Hydrogen Bonds. 2006, 179-198	19
2079 Extensions of molecular ruler technology for nanoscale patterning. 2006 , 24, 3200	9
2078 The electronic spectrum of jet-cooled copper hydrosulfide (CuSH). 2006 , 125, 084310	14

2077	Improved morphology and charge carrier injection in pentacene field-effect transistors with thiol-treated electrodes. 2006 , 100, 114517	139
2076	Unconventional methods for forming nanopatterns. 2006 , 220, 81-138	4
2075	Atomic Force Microscopy Characterization of a Microcontact Printed, Self-Assembled Thiol Monolayer for Use in Biosensors. 2006 , 39, 1721-1734	15
2074	Top-down and bottom-up nanofabrication for multipurpose applications. 2006 , 921, 1	
2073	Laser Atom Probe Tomography: Application to Polymers. 2006,	4
2072	Forming microstructured alkanethiol self-assembled monolayers on gold by laser ablation. 2006 , 5, 188-92	10
2071	Evidence for the formation of different energetically similar atomic structures in Ag(111)-(square root[7] x square root[7])-R19.1 degrees-CH3S. 2006 , 97, 226103	36
2070	Electronic structure and polymerization of a self-assembled monolayer with multiple arene rings. 2006 , 74,	17
2069	A new class of self-assembled monolayers on gold using an alkynyl group as a linker. 2006,	1
2068	First-principles approach to the charge-transport characteristics of monolayer molecular-electronics devices: Application to hexanedithiolate devices. 2006 , 73,	56
2067	Adsorption and Self-Assembly of Alkanethiols on GaAs (001) Surface. 2006,	1
2066	High-sensitivity surface plasmon resonance spectroscopy based on a metal nanoslit array. 2006 , 88, 243105	26
2065	Identification of peptides for the surface functionalization of perovskite ferroelectrics. 2006, 88, 083903	17
2064	Soft nanopolyhedra as a route to multivalent nanoparticles. 2006 , 96, 248301	40
2063	Effect of dipole moment on current-voltage characteristics of single molecules. 2006,	1
2062	Electron tunneling through alkanedithiol self-assembled monolayers in large-area molecular junctions. 2007 , 104, 11161-6	161
2061	Electropolymerization of nano-dimensioned polypyrrole micro-ring arrays on gold substrates prepared using submerged micro-contact printing. 2007 , 18, 485301	32
2060	CYCLOADDITION REACTION BETWEEN ORGANIC MOLECULES AND SI(100) AND ELECTRONIC PROPERTIES OF ADSORBED MOLECULES. 2007 , 06, 95-102	1

The study of charge transport through organic thin films: mechanism, tools and applications. 2007 , 365, 1509-37	49
Inhibition of Escherichia coli biofilm formation by self-assembled monolayers of functional alkanethiols on gold. 2007 , 73, 4300-7	63
Chemical stability of nonwetting, low adhesion self-assembled monolayer films formed by perfluoroalkylsilanization of copper. 2007 , 126, 114706	29
2056 Micro-Scale Patterning of Cells and Their Environment. 2007 , 265-278	
2055 Matrix Effects. 2007 , 297-308	2
2054 Structured Thin Organic Active Layers and Their Use in Electrochemical Biosensors. 2007 , 40, 88-91	2
Microcontact printing pattern as a mask for chemical etching: A scanning photoelectron microscopy study. 2007 , 25, 1729	7
2052 Nanostructures using self-assembled multilayers as molecular rulers and etch resists. 2007 , 25, 1985	5
2051 Dynamics of low-coordinated surface atoms on gold nanocrystallites. 2007 , 126, 154704	9
2050 Structure of incommensurate gold sulfide monolayer on Au(111). 2007, 127, 104704	18
2049 Registration accuracy in multilevel soft lithography. 2007 , 18, 175302	14
Nanomaterial based affinity matrix-assisted laser desorption/ionization mass spectrometry for biomolecules and pathogenic bacteria. 2007 , 1, 99-111	26
Microscopic Changes of Thin Films of Directly Thiolated Fullerenes Depending on Substrate and Number of Thiol. 2007 , 46, 5560-5562	1
Ab initioand empirical studies on the asymmetry of molecular current \square oltage characteristics. 2007 , 19, 215206	11
2045 Simulation of the Au(111)(22B) surface reconstruction. 2007 , 75,	71
The effect of reciprocal-space sampling and basis set quality on the calculated conductance of a molecular junction. 2007 , 33, 897-904	7
2043 Preparation of Self-assembled Monolayers (SAMs) on Au and Ag. 2007 ,	1
Interface dynamics during Cu shadow-mask physical vapor deposition on nonmetallic substrates. 204 2 2007 , 76,	1

	Drug-membrane interactions studied in phospholipid monolayers adsorbed on nonporous alkylated microspheres. 2007 , 12, 186-202	13
2040	Optimizing Growth Rates and Thermal Stability of Silver Nanowires. 2007 , 1017, 165	2
2039	Bonding and orientation of 1,4-benzenedimethanethiol on Au(111) prepared from solution and from gas phase. 2007 , 19, 305020	9
2038	Tailoring the Work Function of Chalcopyrite Thin Films with Self-Assembled Monolayers of Thiols. 2007 , 1012, 1	
2037	Submicrometre scale single-crystalline gold plates of nanometre thickness: synthesis through a nucleobase process and growth mechanism. 2007 , 18, 295603	15
2036	Water-repellent coating: formation of polymeric self-assembled monolayers on nanostructured surfaces. 2007 , 18, 395602	40
2035	Multicycle Desorption-Adsorption Voltammetry for Self-Assembled Mixed Monolayer Containing Ferrocenylthiol Molecules: A Discussion on Molecular Interaction in the Mixed Layer. 2007 , 75, 523-527	1
2034	Reversible Thermochromic Change of Molecular Architecture for a Diacetylene Derivative 10,12-Pentacosadiynoic Acid Self-assembled Thin Films on Ag Surfaces. 2007 , 36, 1226-1227	12
2033	Development of Conductive Organic Molecular Assemblies: Organic Metals, Superconductors, and Exotic Functional Materials. 2007 , 80, 1-137	327
2032	Immobilization and Hybridization Behavior of DNA on Poly(ethylene glycol)-block-Poly[2-(N,N-dimethylamino)ethyl methacrylate]-modified Gold Surfaces. 2007 , 36, 1444-1445	19
2031	Molecular Machines. 2007 , 11-1-11-48	
	Molecular Machines. 2007, 11-1-11-48 Chains of divalent gold nanoparticles. 2007,	
		3
2030	Chains of divalent gold nanoparticles. 2007, Time Resolved Analysis of Molecular Interactions Using Nanomechanical Cantilever Sensors. 2007,	3
2030	Chains of divalent gold nanoparticles. 2007, Time Resolved Analysis of Molecular Interactions Using Nanomechanical Cantilever Sensors. 2007, 61, 612-617	
2030 2029 2028 2027	Chains of divalent gold nanoparticles. 2007, Time Resolved Analysis of Molecular Interactions Using Nanomechanical Cantilever Sensors. 2007, 61, 612-617 Interplay of Anchoring and Ordering in Aromatic Self-Assembled Monolayers. 2007, 111, 10546-10551 Oriented growth of the metal organic framework Cu(3)(BTC)(2)(H(2)O)(3).xH(2)O tunable with	91
2029 2028 2027 2026	Chains of divalent gold nanoparticles. 2007, Time Resolved Analysis of Molecular Interactions Using Nanomechanical Cantilever Sensors. 2007, 61, 612-617 Interplay of Anchoring and Ordering in Aromatic Self-Assembled Monolayers. 2007, 111, 10546-10551 Oriented growth of the metal organic framework Cu(3)(BTC)(2)(H(2)O)(3).xH(2)O tunable with functionalized self-assembled monolayers. 2007, 129, 8054-5	91 463

2023	Chemical modification of monolayer-protected gold nanoparticles using hyperbaric conditions. 2007 , 129, 4904-5	32
2022	Bifunctional Au-Fe3O4 nanoparticles for protein separation. 2007 , 1, 293-8	355
2021	Nano-flares: probes for transfection and mRNA detection in living cells. 2007 , 129, 15477-9	560
2020	Divalent metal nanoparticles. 2007 , 315, 358-61	571
2019	Silane Ligand Exchange to Make Hydrophobic Superparamagnetic Nanoparticles Water-Dispersible. 2007 , 19, 1821-1831	474
2018	Theoretical Study on Gold-Coated Iron Oxide Nanostructure: Magnetism and Bioselectivity for Amino Acids. 2007 , 111, 4159-4163	26
2017	Peptide aptamers in label-free protein detection: 1. Characterization of the immobilized scaffold. 2007 , 79, 1089-96	52
2016	Fabrication of shape-controllable polyaniline micro/nanostructures on organic polymer surfaces: obtaining spherical particles, wires, and ribbons. 2007 , 111, 3918-26	55
2015	Silver nanoparticles coated with adenine: preparation, self-assembly and application in surface-enhanced Raman scattering. 2007 , 18, 175610	36
2014	Scanning electron microscopy of nanoscale chemical patterns. 2007 , 1, 191-201	68
2013	Conformation and dynamics of arylthiol self-assembled monolayers on Au(111). 2007, 23, 12208-16	15
2012	Image reversal for direct electron beam patterning of protein coated surfaces. 2007 , 7, 1603-6	10
2011	Total internal reflection sum-frequency generation spectroscopy and dense gold nanoparticles monolayer: a route for probing adsorbed molecules. 2007 , 18, 415301	33
2010	DNA-mediated electrochemistry of disulfides on graphite. 2007 , 129, 6074-5	27
2009	Impact of bidirectional charge transfer and molecular distortions on the electronic structure of a metal-organic interface. 2007 , 99, 256801	186
2008	Adsorption of Amine Compounds on the Au(111) Surface: A Density Functional Study. 2007 , 111, 13886-1389	1115
2007	Gold Nanoparticle Assisted Assembly of a Heme Protein for Enhancement of Long-Range Interfacial Electron Transfer. 2007 , 111, 6124-6132	117
2006	Homocysteine-mediated reactivity and assembly of gold nanoparticles. 2007 , 23, 826-33	127

2005	Self-assembled monolayers with latent aldehydes for protein immobilization. 2007 , 18, 247-53	45
2004	Trends in interfacial design for surface plasmon resonance based immunoassays. 2007 , 40, 7187-7200	55
2003	Improvements in the characterization of the crystalline structure of acid-terminated alkanethiol self-assembled monolayers on Au(111). 2007 , 23, 582-8	77
2002	Entropy-mediated patterning of surfactant-coated nanoparticles and surfaces. 2007 , 99, 226106	226
2001	Polyelectrolyte Layer-by-Layer Assembly To Control the Distance between Fluorophores and Plasmonic Nanostructures. 2007 , 19, 5902-5909	119
2000	Long-range surface plasmons on ultrathin membranes. 2007 , 7, 1376-80	83
1999	Photo-deprotection patterning of self-assembled monolayers. 2007 , 2, 279-290	6
1998	High thermal stability of cross-linked aromatic self-assembled monolayers: Nanopatterning via selective thermal desorption. 2007 , 90, 053102	63
1997	Assembly of nanosize metallic particles and molecular wires on electrode surfaces. 2007, 3983-9	33
1006		
1990	Effect of alkyl chain parity on the face-selective crystal growth of a drug polymorph. 2007 , 2476-8	5
1996	New Photolabile Functional Polymers for Patterning onto Gold Obtained by Click Chemistry. 2007 , 40, 2361-2370	39
1995	New Photolabile Functional Polymers for Patterning onto Gold Obtained by Click Chemistry. 2007 ,	
1995	New Photolabile Functional Polymers for Patterning onto Gold Obtained by Click Chemistry. 2007 , 40, 2361-2370	39
1995 1994	New Photolabile Functional Polymers for Patterning onto Gold Obtained by Click Chemistry. 2007, 40, 2361-2370 Understanding the Chemisorption of 2-Methyl-2-propanethiol on Au(111). 2007, 111, 10878-10885 Spatially Resolved Surface Analysis of an Octadecanethiol Self-Assembled Monolayer on Mild Steel	39
1995 1994 1993	New Photolabile Functional Polymers for Patterning onto Gold Obtained by Click Chemistry. 2007, 40, 2361-2370 Understanding the Chemisorption of 2-Methyl-2-propanethiol on Au(111). 2007, 111, 10878-10885 Spatially Resolved Surface Analysis of an Octadecanethiol Self-Assembled Monolayer on Mild Steel Using Sum Frequency Generation Imaging Microscopy. 2007, 111, 7137-7143	39 16 33
1995 1994 1993 1992	New Photolabile Functional Polymers for Patterning onto Gold Obtained by Click Chemistry. 2007, 40, 2361-2370 Understanding the Chemisorption of 2-Methyl-2-propanethiol on Au(111). 2007, 111, 10878-10885 Spatially Resolved Surface Analysis of an Octadecanethiol Self-Assembled Monolayer on Mild Steel Using Sum Frequency Generation Imaging Microscopy. 2007, 111, 7137-7143 Self-assembled alkanethiol monolayers on a Zn substrate: structure and organization. 2007, 23, 8385-91 The c(4 \mathbb{L}) Structure of Short- and Intermediate-Chain Length Alkanethiolate Monolayers on	39163326
1995 1994 1993 1992	New Photolabile Functional Polymers for Patterning onto Gold Obtained by Click Chemistry. 2007, 40, 2361-2370 Understanding the Chemisorption of 2-Methyl-2-propanethiol on Au(111). 2007, 111, 10878-10885 Spatially Resolved Surface Analysis of an Octadecanethiol Self-Assembled Monolayer on Mild Steel Using Sum Frequency Generation Imaging Microscopy. 2007, 111, 7137-7143 Self-assembled alkanethiol monolayers on a Zn substrate: structure and organization. 2007, 23, 8385-91 The c(4 I2) Structure of Short- and Intermediate-Chain Length Alkanethiolate Monolayers on Au(111): A DFT Study. 2007, 111, 12149-12151 Alkanethiol headgroup on metal (111)-surfaces: general features of the adsorption onto group 10	3916332653

1987	Bi-functionalization of a patterned Prussian blue array for amperometric measurement of glucose via two integrated detection schemes. 2007 , 132, 164-72	24
1986	A novel point of care diagnostic device: impedimetric detection of a biomarker in whole blood. 2007 , 2007, 115-8	3
1985	Calcite shape modulation through the lattice mismatch between the self-assembled monolayer template and the nucleated crystal face. 2007 , 9, 1219	40
1984	Manipulation of charge carrier injection into organic field-effect transistors by self-assembled monolayers of alkanethiols. 2007 , 17, 1947	97
1983	Surface plasmon resonance as a time-resolved probe of structural changes in molecular films: considerations for correlating resonance shifts with adsorbate layer parameters. 2007 , 132, 524-35	7
1982	Vibrational Sum Frequency Generation Spectroscopy of Dodecanethiol on Metal Nanoparticles□ 2007 , 111, 8925-8933	70
1981	Alkanephosphonates on hafnium-modified gold: a new class of self-assembled organic monolayers. 2007 , 129, 2803-7	20
1980	Growth of pentacene on clean and modified gold surfaces. 2007 , 75,	185
1979	Covalent immobilization of peptides on self-assembled monolayer surfaces using soft-landing of mass-selected ions. 2007 , 129, 8682-3	53
1978	Tuning the Exchange Reaction between a Self-assembled Monolayer and Potential Substituents by Electron Irradiation. 2007 , 111, 7772-7782	57
1977	Balance of structure-building forces in selenium-based self-assembled monolayers. 2007 , 129, 2232-3	51
1976	Synthesis and surface structure of thymine-functionalized, self-assembled monolayer-protected gold nanoparticles. 2007 , 23, 9170-7	33
1975	Versatile and efficient synthesis of omega-functionalized asymmetric disulfides via sulfenyl bromide adducts. 2007 , 23, 2318-21	18
1974	Crystal Engineering in Two Dimensions: An Approach to Molecular Nanopatterning. 2007 , 111, 16996-17007	125
1973	Chemical surface modification via radical C-C bond-forming reactions. 2007 , 129, 5826-7	22
1972	Formation of gold-methanethiyl self-assembled monolayers. 2007 , 129, 14532-3	39
1971	Sum Frequency Generation Imaging of Microcontact-Printed Monolayers Derived from Aliphatic Dithiocarboxylic Acids: Contrast Based on Terminal-Group Orientation. 2007 , 111, 11751-11755	26
1970	Direct probing molecular twist and tilt in aromatic self-assembled monolayers. 2007 , 129, 15416-7	87

1969	Origins of the High Thermal Stability of Alkylidene Groups on the Surface of Mo2C. 2007 , 111, 5954-5962	7
1968	Nanografting of alkanethiols by tapping mode atomic force microscopy. 2007 , 23, 6142-7	24
1967	Inelastic scattering dynamics of Ar from a perfluorinated self-assembled monolayer surface. 2007 , 111, 12785-94	32
1966	Dimethyl sulfide on Cu{111}: molecular self-assembly and submolecular resolution imaging. 2007 , 1, 423-8	19
1965	Rectangular nanostructuring of Au(111) surfaces by self-assembly of size-selected thiacrown ether macrocycles. 2007 , 129, 2450-1	32
1964	Structure and Electrochemical Characterization of 4-Methyl-4E(n-mercaptoalkyl)biphenyls on Au(111)-(1 🗓). 2007 , 111, 17409-17419	28
1963	Assembly of gold nanoparticles mediated by multifunctional fullerenes. 2007 , 23, 10715-24	30
1962	Single Molecule Conductance of Linear Dithioalkanes in the Liquid Phase: Apparently Activated Transport Due to Conformational Flexibility. 2007 , 111, 14567-14573	35
1961	Characterization by X-ray Photoemission Spectroscopy of the Open and Closed Forms of a Dithienylethene Switch in Thin Films. 2007 , 111, 16533-16537	13
1960	Molecular Monolayers Enhance the Formation of Electrocatalytic Platinum Nanoparticles on Vertically Aligned Carbon Nanofiber Scaffolds. 2007 , 111, 7260-7265	24
1959	Synthesis of S-acetyl oligoarylenedithiols via Suzuki-Miyaura cross-coupling. 2007 , 72, 10272-5	25
1958	Formation and Domain Structure of Self-Assembled Monolayers by Adsorption of Tetrahydrothiophene on Au(111). 2007 , 111, 2691-2695	43
1957	Reactivity of acid fluoride-terminated self-assembled monolayers on gold. 2007, 23, 1209-14	9
1956	Two-dimensional arrays of amphiphilic Zn2+-cyclens for guided molecular recognition at interfaces. 2007 , 23, 2517-24	14
1955	Electrospray ionization mass spectrometry of uniform and mixed monolayer nanoparticles: Au25[S(CH2)2Ph]18 and Au25[S(CH2)2Ph]18-x(SR)x. 2007 , 129, 16209-15	181
1954	Conductance of Alkanediisothiocyanates: Effect of Headgroup E lectrode Contacts. 2007 , 111, 11450-11455	31
1953	Structure and dynamics of water near the interface with oligo(ethylene oxide) self-assembled monolayers. 2007 , 23, 8508-14	32
1952	Determination of the potential of zero charge of Au(111) modified with thiol monolayers. 2007 , 79, 6473-9	59

1951	Characterization of self-assembled monolayers from lithium dialkyldithiocarbamate salts. 2007 , 23, 2887-91	23
1950	Direct-write multiphoton photolithography: a systematic study of the etching behaviors in various commercial polymers. 2007 , 23, 12406-12	12
1949	PEMC-based method of measuring DNA hybridization at femtomolar concentration directly in human serum and in the presence of copious noncomplementary strands. 2007 , 79, 7392-400	54
1948	Switching the electrochemical impedance of low-density self-assembled monolayers. 2007 , 23, 297-304	21
1947	Liquid crystalline ordering in the self-assembled monolayers of tethered rodlike polymers. 2007 , 129, 7756-7	37
1946	Monochromatic electron photoemission from diamondoid monolayers. 2007 , 316, 1460-2	211
1945	A conversation with Prof. George Whitesides: pioneer in soft nanolithography. Interview by Paul S. Weiss. 2007 , 1, 73-8	5
1944	Defined substrates for human embryonic stem cell growth identified from surface arrays. 2007 , 2, 347-55	122
1943	Influence of Molecular Structure on Phase Transitions: A Study of Self-Assembled Monolayers of 2-(Aryl)-ethane Thiols. 2007 , 111, 16909-16919	52
1942	Template-grown metal nanowires as resonators: performance and characterization of dissipative and elastic properties. 2007 , 7, 3281-4	60
1941	Self-Assembled Monolayers of Aromatic Tellurides on (111)-Oriented Gold and Silver Substrates. 2007 , 111, 11627-11635	37
1940	Nanostructuring, Imaging and Molecular Manipulation of Dithiol Monolayers on Au(111) Surfaces by Atomic Force Microscopy. 2007 , 111, 17275-17284	64
1939	Characterization of self-assembled monolayers of oligo(phenyleneethynylene) derivatives of varying shapes on gold: effect of laterally extended pi-systems. 2007 , 23, 6170-81	36
1938	Thermally-Driven Nanoparticle Array Growth from Atomic Au Precursor Solutions. 2007 , 111, 17993-17996	11
1937	Excited-State Behavior of a Fluorescent and Photochromic Diarylethene on Silver Nanoparticles. 2007 , 111, 3853-3862	46
1936	Temporal Stability of Thiophene Self-Assembled Monolayers on Au(111). 2007, 464, 205/[787]-209/[791]	1
1935	Novel organic materials through control of multichromophore interactions. 2007 , 72, 8615-35	159
1934	Stable Perfluorosilane Self-Assembled Monolayers on Copper Oxide Surfaces: Evidence of Siloxy©opper Bond Formation. 2007 , 19, 798-804	50

1933	Voltammetric and surface-enhanced resonance Raman spectroscopic characterization of cytochrome C adsorbed on a 4-mercaptopyridine monolayer on silver electrodes. 2007 , 23, 4340-5	30
1932	Chemisorption of Sulfur and Sulfur-Based Simple Molecules on Au(111). 2007 , 111, 12383-12390	20
1931	UV-Promoted Exchange Reaction as a Tool for Gradual Tuning the Composition of Binary Self-Assembled Monolayers and Chemical Lithography. 2007 , 111, 12002-12010	21
1930	Adsorption, interaction, and manipulation of dibutyl sulfide on cu{111}. 2007, 1, 22-9	23
1929	Solid-phase synthesis of alkanethiols for the preparation of self-assembled monolayers. 2007 , 23, 11164-7	19
1928	Inelastic electron tunneling spectroscopy of alkane monolayers with dissimilar attachment chemistry to gold. 2007 , 129, 15303-10	24
1927	First Observation of Charge Reduction and Desorption Kinetics of Multiply Protonated Peptides Soft Landed onto Self-Assembled Monolayer Surfaces. 2007 , 111, 18220-18225	38
1926	Molecular self-assembly at bare semiconductor surfaces: characterization of a homologous series of n-alkanethiolate monolayers on GaAs(001). 2007 , 1, 30-49	76
1925	Monomolecular films of phthalocyanines: formation, characterization, and expelling by alkanethiols. 2007 , 23, 4373-7	11
1924	Heads or tails: which is more important in molecular self-assembly?. 2007 , 1, 10-2	55
1923	Reversible photoswitchable wettability in noncovalently assembled multilayered films. 2007, 23, 13181-7	21
1922	Magnetic Interactions in Layered Nickel Alkanethiolates. 2007 , 111, 1868-1870	28
1921	Vapor Phase Mercury Sorption by Organic Sulfide Modified Bimetallic Iron©opper Nanoparticle Aggregates. 2007 , 46, 1305-1315	19
1920	Influence of defects on the electrical characteristics of mercury-drop junctions: self-assembled monolayers of n-alkanethiolates on rough and smooth silver. 2007 , 129, 4336-49	190
1919	Electrical and Structural Characterization of Biphenylethanethiol SAMs. 2007, 111, 6392-6397	18
1918	Covalent Grafting of Organic Layers on Sputtered Amorphous Carbon: Surface Preparation and Coverage Density. 2007 , 111, 3099-3108	27
1917	Thiosulfate- and Thiosulfonate-Based Etchants for the Patterning of Gold Using Microcontact Printing. 2007 , 19, 3933-3944	27
1916	Fabrication of a nanoparticle gradient substrate by thermochemical manipulation of an ester functionalized SAM. 2007 , 17, 5097	12

1915	Chemically Modified Electrodes. 2007 , 295-327	19
1914	Bioinspired enantioselective catalysis: Racemic or achiral metal complexes grafted on mesoporous material functionalized with chiral molecules. 2007 , 8, 215-219	6
1913	Selective Permeation of a Liquidlike Self-Assembled Monolayer of 11-Amino-1-undecanethiol on Polycrystalline Gold by Highly Charged Electroactive Probes. 2007 , 111, 5351-5362	39
1912	Gold nanoparticles decorated with oligo(ethylene glycol) thiols: protein resistance and colloidal stability. 2007 , 111, 12229-37	45
1911	Synthesis and Extraction of Monodisperse Sodium Carboxymethylcellulose-Stabilized Platinum Nanoparticles for the Self-assembly of Ordered Arrays. 2007 , 111, 11566-11576	35
1910	Molecular Structure of 3-Amino-5-mercapto-1,2,4-triazole Self-Assembled Monolayers on Ag and Au Surfaces. 2007 , 111, 17397-17403	34
1909	Molecular Machines and Nanodevices. 2007 , 63-88	
1908	Self-assembled hybrid nanoparticles for cancer-specific multimodal imaging. 2007 , 129, 8962-3	182
1907	Electrical Contacts to Organic Molecular Films by Metal Evaporation: Effect of Contacting Details. 2007 , 111, 2318-2329	65
1906	Geometric and electronic structure of closed-shell bimetallic A4B12 clusters. 2007 , 75,	5
1905	Toward control of the metal-organic interfacial electronic structure in molecular electronics: a first-principles study on self-assembled monolayers of pi-conjugated molecules on noble metals. 2007 , 7, 932-40	244
	first-principles study on self-assembled monolayers of pi-conjugated molecules on noble metals.	244
1904	first-principles study on self-assembled monolayers of pi-conjugated molecules on noble metals. 2007 , 7, 932-40	
1904	first-principles study on self-assembled monolayers of pi-conjugated molecules on noble metals. 2007 , 7, 932-40 Building layer-by-layer a bis(dithiocarbamato)copper(II) complex on Au[111] surfaces. 2007 , 129, 6927-30	
1904	first-principles study on self-assembled monolayers of pi-conjugated molecules on noble metals. 2007, 7, 932-40 Building layer-by-layer a bis(dithiocarbamato)copper(II) complex on Au[111] surfaces. 2007, 129, 6927-30 . 2007, 58, 785-790 Effect of surface coverage of gold(111) electrode with cysteine on the chiral discrimination of	26
1904 1903 1902	first-principles study on self-assembled monolayers of pi-conjugated molecules on noble metals. 2007, 7, 932-40 Building layer-by-layer a bis(dithiocarbamato)copper(II) complex on Au[111] surfaces. 2007, 129, 6927-30 . 2007, 58, 785-790 Effect of surface coverage of gold(111) electrode with cysteine on the chiral discrimination of DOPA. 2007, 19, 295-9 Electron-transfer reactions through the associated interaction between cytochrome c and self-assembled monolayers of optically active cobalt(III) complexes: molecular recognition ability	26
1904 1903 1902	first-principles study on self-assembled monolayers of pi-conjugated molecules on noble metals. 2007, 7, 932-40 Building layer-by-layer a bis(dithiocarbamato)copper(II) complex on Au[111] surfaces. 2007, 129, 6927-30 . 2007, 58, 785-790 Effect of surface coverage of gold(111) electrode with cysteine on the chiral discrimination of DOPA. 2007, 19, 295-9 Electron-transfer reactions through the associated interaction between cytochrome c and self-assembled monolayers of optically active cobalt(III) complexes: molecular recognition ability induced by the chirality of the cobalt(III) units. 2007, 13, 8007-17	26

1897	selective crystal growth or the annydrous and mononydrate forms or theophylline on self-assembled monolayers. 2007 , 46, 1988-91	21
1896	Kinetically stable, flat-lying thiolate monolayers. 2007 , 46, 3762-4	19
1895	Metal nanoparticles: from "artificial atoms" to "artificial molecules". 2007 , 46, 6006-8	45
1894	Controlled nanoscale mechanical phenomena discovered with ultrafast electron microscopy. 2007 , 46, 9206-10	38
1893	Self-Assembled Monolayers of a Multifunctional Organic Radical. 2007 , 119, 2265-2269	8
1892	Selective Crystal Growth of the Anhydrous and Monohydrate Forms of Theophylline on Self-Assembled Monolayers. 2007 , 119, 2034-2037	5
1891	Kinetisch stabile, flach liegende Thiolat-Monoschichten. 2007 , 119, 3837-3839	5
1890	Metallnanopartikel: von 🖽 stlichen Atomen 🗷 u 🖽 stlichen Molek len 🛭 2007, 119, 6112-6114	4
1889	A Highly Selective Fluorescent Probe for Thiophenols. 2007 , 119, 8597-8600	54
1888	Controlled Nanoscale Mechanical Phenomena Discovered with Ultrafast Electron Microscopy. 2007 , 119, 9366-9370	7
1887	UV-Light-Driven Immobilization of Surface-Functionalized Oxide Nanocrystals onto Silicon. 2007 , 17, 201-211	23
1886	Selective Immobilization of Nanoparticles on Surfaces by Molecular Recognition using Simple Multiple H-bonding Functionalities. 2007 , 17, 2045-2052	23
1885	Depolarization Effects in Self-Assembled Monolayers: A Quantum-Chemical Insight. 2007 , 17, 1143-1148	96
1884	Tunable Thermoresponsive Polymeric Platforms on Gold by P hotoiniferterEBased Surface Grafting. 2007 , 19, 268-271	92
1883	A Flexible Approach to the Fabrication of Chemical Gradients. 2007 , 19, 998-1000	105
1882	Solid-Supported Multicomponent Patterned Monolayers. 2007 , 19, 1967-1972	15
1881	Necklace-like Noble-Metal Hollow Nanoparticle Chains: Synthesis and Tunable Optical Properties. 2007 , 19, 2172-2176	115
1880	Towards Understanding Why a Superhydrophobic Coating Is Needed by Water Striders. 2007 , 19, 2257-2261	252

1879	Intracellular Enzymatic Formation of Nanofibers Results in Hydrogelation and Regulated Cell Death. 2007 , 19, 3152-3156	215
1878	Cages on Surfaces: Thiol Functionalisation of CoIII Sarcophagine Complexes. 2007 , 2007, 263-278	11
1877	Label-Free Impedance Biosensors: Opportunities and Challenges. 2007 , 19, 1239-1257	885
1876	Investigation of the Adsorption and Self Assembly of Isocyanide Derivatives on Au(111) Surface. 2007 , 25, 1223-1228	6
1875	Molecular Dynamics Simulation of the Self-assembled Monolayers of 1-Adamantanethiolate and Its Derivatives on Au(111) Surfaces. 2007 , 25, 1474-1479	7
1874	Ultrathin pi-conjugated polymer films for simple fabrication of large-area molecular junctions. 2007 , 8, 515-8	39
1873	Scanning tunneling microscopy and spectroscopy studies of 4-methyl-4'-(n-mercaptoalkyl)biphenyls on Au(111)-(1x1). 2007 , 8, 1037-48	22
1872	Chemistry in confined geometries: reactions at an organic surface. 2007 , 8, 657-60	17
1871	Adsorption properties of the penicillin derivative DTPA on gold substrates. 2007, 8, 1071-6	9
1870	A new approach for the fabrication of strongly heterogeneous mixed self-assembled monolayers. 2007 , 8, 819-22	28
1869	Carboxybetaine Polymer-Protected Gold Nanoparticles: High Dispersion Stability and Resistance against Non-Specific Adsorption of Proteins. 2007 , 208, 862-873	71
1868	Synthesis, stereochemistry and adsorption studies of new spiranes and polyspiranes containing 1,2-dithiolane units. 2007 , 44, 521-527	5
1867	Structure and properties of 1,4-benzenedimethanethiol films grown from solution on Au(111): An XPS and NEXAFS study. 2007 , 601, 1419-1427	32
1866	Self-assembled organic templates for the selective adsorption of gold nanoparticles into confined domains. 2007 , 601, 3916-3920	13
1865	Thermal decomposition of perfluorodecylsiloxane self-assembled monolayers in air. 2007, 107, 995-9	2
1864	Unique domain structure of pi-conjugated tolanethioacetate self-assembled monolayers on Au(111). 2007 , 107, 1000-3	6
1863	Vibrational transition moment directions of a terminally p-nitrobenzyl substituted long-chain alkanethiol by polarized infrared spectra and DFT calculations. 2007 , 43, 64-70	1
1862	Self-assembly of terminally aryl-substituted long-chain alkanethiols on silver. 2007 , 45, 55-60	5

1861	Synthesis of penta-p-phenylenes with oligo(ethylene glycol) side chains. 2007 , 48, 6075-6079	10
1860	Comparative adsorption of phenyl selenolate and selenocyanate on Au nanoparticle surfaces. 2007 , 253, 4830-4835	11
1859	SIMS as a subnanometer probe: A new tool for chemical profile analysis of grafted molecules. 2007 , 253, 6140-6143	4
1858	Interfacial kinetic enhancement of metal ion adsorption on binary mixed self-assembled monolayers. 2007 , 253, 7554-7558	5
1857	AFM study of BSA adlayers on Au stripes. 2007 , 253, 9209-9214	49
1856	Gold nanoparticles prepared by sonochemical method in thiol-functionalized ionic liquid. 2007 , 302, 366-370	61
1855	Gold-thiolate core-in-cage cluster Au25(SCH3)18 shows localized spins in charged states. 2007 , 441, 268-272	34
1854	Charge transfer dynamics in self-assembled monomolecular films. 2007 , 447, 227-231	44
1853	Photosynthetic reaction center functionalized nano-composite films: effective strategies for probing and exploiting the photo-induced electron transfer of photosensitive membrane protein. 2007 , 22, 1173-85	48
1852	Amperometric glucose biosensor based on multilayer films via layer-by-layer self-assembly of multi-wall carbon nanotubes, gold nanoparticles and glucose oxidase on the Pt electrode. 2007 , 22, 2854-60	177
1851	Self-assembled monolayers (SAMs) of alkoxycyanobiphenyl thiols on gold surface using a lyotropic liquid crystalline medium. 2007 , 52, 2987-2997	22
1850	Self-aggregation of bilayer ferrocenyl termini gold nanoparticles. 2007 , 10, 511-513	4
1849	A ruthenium(II) complex with bis(3,5-dimethylpyrazol-1-yl)dithioacetate built layer-by-layer on silver and gold surfaces. 2007 , 10, 1482-1484	3
1848	Transition-metal nanocluster stabilization for catalysis: A critical review of ranking methods and putative stabilizers. 2007 , 251, 1075-1100	390
1847	l-Cysteine films on Ag(111) investigated by electrochemical and nonlinear optical methods. 2007 , 342, 236-244	30
1846	Modulation of the electrochemical behavior of tyrosyl radicals by the electrode surface. 2007 , 362, 89-97	6
1845	Silver and gold nanoparticle-coated membranes for femtomole detection of small proteins and peptides by Dot and Western blot. 2007 , 362, 287-9	22
1844	Functionalization of gold cysteamine self-assembled monolayer with ethylenediaminetetraacetic acid as a novel nanosensor. 2007 , 587, 254-62	44

1843	Protein repellent properties of covalently attached PEG coatings on nanostructured SiO(2)-based interfaces. 2007 , 28, 4739-47	181
1842	Attaching folic acid on gold nanoparticles using noncovalent interaction via different polyethylene glycol backbones and targeting of cancer cells. 2007 , 3, 224-238	143
1841	Direct recoil spectroscopy of alkanethiol covered surfaces. 2007 , 258, 183-188	2
1840	Evidence for the bulk nature of self-assembled monolayer surface of fluorinated alkyl thiol from hyperthermal energy ionBurface collisions. 2007 , 264, 400-403	1
1839	Protoporphyrin-modified gold surfaces for the selective monitoring of catecholamines. 2007 , 52, 3863-3869	4
1838	Investigation of alkylamine self-assembled films on iron electrodes by SEM, FT-IR, EIS and molecular simulations. 2007 , 53, 1743-1753	29
1837	Spread monolayers: Structure, flows and dynamic self-organization phenomena. 2007 , 448, 163-179	23
1836	Synthesis, characterization and electrochemical behavior of unsymmetric transition metal-terminated biphenyl ethynyl thiols. 2007 , 692, 1530-1545	33
1835	Electrochemistry and photoelectrochemistry of photosystem I adsorbed on hydroxyl-terminated monolayers. 2007 , 599, 72-78	68
1834	Electrochemical and EQCM investigation of l-selenomethionine in adsorbed state at gold electrodes. 2007 , 599, 100-110	12
1833	Adsorption kinetic and properties of self-assembled monolayer based on mono(6-deoxy-6-mercapto)-#cyclodextrin molecules. 2007 , 601, 181-193	18
1832	Electrodeposition of gold nanoparticles on fluorine-doped tin oxide: Control of particle density and size distribution. 2007 , 608, 1-7	49
1831	Synthetic light-activated molecular switches and motors on surfaces. 2007 , 82, 407-434	199
1830	Surface characterization and platelet compatibility evaluation of the binary mixed self-assembled monolayers. 2007 , 308, 474-84	14
1829	In situ Raman monitoring triazole formation from self-assembled monolayers of 1,4-diethynylbenzene on Ag and Au surfaces via "click" cyclization. 2007 , 311, 491-6	32
1828	A new design strategy for dispersion stabilization of Ni particles based on the surface acid and base properties of Ni particles. 2007 , 312, 265-71	4
1827	Size-tuneable and micro-patterned iron nanoparticles derived from biomolecules via microcontact printing SAM-modified substrates and controlled-potential electrolyses. 2007 , 313, 135-40	11
1826	The biomacromolecule-nanoparticle interface. 2007 , 2, 34-43	97

1825	Potential therapeutic application of gold nanoparticles in B-chronic lymphocytic leukemia (BCLL): enhancing apoptosis. 2007 , 5, 4	15	Ю
1824	Dynamics of thiolate chains on a gold nanoparticle. 2007 , 3, 386-8	41	
1823	Nanostructuring with a crosslinkable discotic material. 2007 , 3, 1438-44	21	-
1822	Modulating the conductance of a Au-octanedithiol-Au molecular junction. 2007 , 3, 2061-5	23	
1821	Microfabrication meets microbiology. 2007 , 5, 209-18	59	16
1820	Concentration dependent Raman study of 1,4-diethynylbenzene on gold nanoparticle surfaces. 2007 , 43, 330-334	14	
1819	Hybridization of Electrodeposited Magnetic Multilayer Micropillars. 2007, 43, 2439-2441	8	
1818	Step by step towards understanding gold glyconanoparticles as elements of the nanoworld. 2007 , 61,	13	
1817	Controlling Polymorphism by Crystallization on Self-Assembled Multilayers. 2007 , 7, 847-850	29)
1816	Emission Behavior of Fluorescently Labeled Silver Nanoshell: Enhanced Self-Quenching by Metal Nanostructure. 2007 , 111, 1955-1961	39)
1815	Surface-enhanced resonance Raman scattering of cytochrome P450-2D6 on coated silver hydrosols. 2007 , 23, 1860-6	9	
1814	Layer-by-layer assembly as a versatile bottom-up nanofabrication technique for exploratory research and realistic application. 2007 , 9, 2319-40	10	040
1813	Critical Role of Side-Chain Attachment Density on the Order and Device Performance of Polythiophenes. 2007 , 40, 7960-7965	29	9 7
1812	Tuning plasmons on nano-structured substrates for NIR-SERS. 2007 , 9, 104-9	99)
1811	Microcontact printing: A tool to pattern. 2007 , 3, 168-177	37.	'3
1810	Mussel-inspired surface chemistry for multifunctional coatings. 2007 , 318, 426-30	74	.22
1809	Understanding odd-even effects in organic self-assembled monolayers. <i>Chemical Reviews</i> , 2007 , 107, 1408-53	1 30	»8
1808	Rose bengal dye on thiol-terminated bilayer for molecular devices. 2007 , 23, 5195-9	11	

1807	Method for measuring the self-assembly of alkanethiols on gold at femtomolar concentrations. 2007 , 23, 6856-63	21
1806	A highly selective fluorescent probe for thiophenols. 2007 , 46, 8445-8	244
1805	The colours of nanometric gold. 2007 , 43, 91-95	112
1804	Polyphosphazenes as Solid Templates for the Formation of Monometallic and Bimetallic Nanostructures. 2007 , 17, 577-582	6
1803	Pragmatic Studies on Protein-Resistant Self-Assembled Monolayers. 2007 , 138, 245-252	7
1802	Formation and Organization of Amino Terminated Self-assembled Layers on Si(001) Surface. 2007 , 2, 350-354	26
1801	Strategies for controlled placement of nanoscale building blocks. 2007 , 2, 519-45	83
1800	Electrochemistry at capped platinum nanoparticle Langmuir Blodgett films: A study of the influence of platinum amount and of number of LB layers. 2007 , 52, 2285-2293	10
1799	Self-assembled mixed monolayer containing ferrocenylthiol molecules: STM observations and electrochemical investigations. 2007 , 52, 4436-4442	26
1798	Comparative electrochemical study of self-assembled monolayers of 2-mercaptobenzoxazole, 2-mercaptobenzothiazole, and 2-mercaptobenzimidazole formed on polycrystalline gold electrode. 2007 , 52, 7051-7060	60
1797	Controlling the surface density of DNA on gold by electrically induced desorption. 2007, 23, 326-31	40
1796	Photopatterning of gold and copper surfaces by using self-assembled monolayers. 2007 , 7, 522-527	4
1795	Methylthiolate-induced reconstruction of Ag(111): A medium energy ion scattering study. 2007 , 601, 50-57	12
1794	Electron tunneling in the presence of adsorbed molecules. 2007 , 601, 5715-5720	1
1793	Effects of different self-assembled monolayers on enzyme immobilization procedures in peroxidase-based biosensor development. 2008 , 612, 164-172	50
1792	Impact of the anchoring groups X (BH, BBDBeH and BeBeDof CF3(CF2)3(CH2)11X molecules self-assembled on oxidised electroplated copper. 2008 , 618, 24-32	16
1791	Importance of reactant mass transfer in the reproducible preparation of self-assembled monolayers. 2008 , 622, 193-203	8
1790	Development of universal vapor-diffused molecular assembly techniques. 2008 , 69, 1422-1427	3

(2008-2008)

1789	gold under ultrasonic irradiation. 2008 , 53, 3479-3483	14
1788	Electrocatalytic activities of gold-5-amino-2-mercaptobenzimidazole-Mn+ self-assembled monolayer complexes (Mn+: Ag+, Cu2+) for hydroquinone oxidation investigated by CV and EIS. 2008 , 53, 4185-4192	14
1787	Experimental and theoretical studies of l-cysteine adsorbed at Ag(111) electrodes. 2008, 53, 6807-6817	30
1786	Electrochemical characterization of a 1,8-octanedithiol self-assembled monolayer (ODT-SAM) on a Au(111) single crystal electrode. 2008 , 53, 8026-8033	36
1785	The C60/Au(1 1 1) interface at room temperature: A scanning tunnelling microscopy study. 2008 , 602, 885-892	42
1784	Molecular self-assembly guided by surface reconstruction: CH3SH monolayer on the Au(1 1 1) surface. 2008 , 602, 2017-2024	18
1783	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. 2008 , 602, 2305-2310	13
1782	Synthesis of an azobenzene-linker-conjugate with tetrahedrical shape. 2008 , 49, 4020-4025	35
1781	2-Methyl-1,4-naphthoquinones containing 3-[N-(Imercaptoalkyl)alkanamide] chains: synthesis, self-assembling, and electrochemical properties. 2008 , 49, 6212-6216	6
1780	Fluorescence detection and imaging of amino-functionalized organic monolayer. 2008 , 516, 2541-2546	15
1780 1779	Fluorescence detection and imaging of amino-functionalized organic monolayer. 2008 , 516, 2541-2546 A thermal and passivation study of self-assembled monolayers on thin gold films. 2008 , 516, 5721-5724	15 7
,	A thermal and passivation study of self-assembled monolayers on thin gold films. 2008 , 516, 5721-5724	
1779	A thermal and passivation study of self-assembled monolayers on thin gold films. 2008 , 516, 5721-5724 Effect of lateral morphology formation of polymer blend towards patterning silane-based SAMs	
1779 1778	A thermal and passivation study of self-assembled monolayers on thin gold films. 2008, 516, 5721-5724 Effect of lateral morphology formation of polymer blend towards patterning silane-based SAMs using selective dissolution method. 2008, 108, 458-64 Novel carbon nanosheets as support for ultrahigh-resolution structural analysis of nanoparticles. 2008, 108, 885-92 Enhanced cell attachment using a novel cell culture surface presenting functional domains from	7
1779 1778 1777	A thermal and passivation study of self-assembled monolayers on thin gold films. 2008, 516, 5721-5724 Effect of lateral morphology formation of polymer blend towards patterning silane-based SAMs using selective dissolution method. 2008, 108, 458-64 Novel carbon nanosheets as support for ultrahigh-resolution structural analysis of nanoparticles. 2008, 108, 885-92 Enhanced cell attachment using a novel cell culture surface presenting functional domains from	7 2 50
1779 1778 1777 1776	A thermal and passivation study of self-assembled monolayers on thin gold films. 2008, 516, 5721-5724 Effect of lateral morphology formation of polymer blend towards patterning silane-based SAMs using selective dissolution method. 2008, 108, 458-64 Novel carbon nanosheets as support for ultrahigh-resolution structural analysis of nanoparticles. 2008, 108, 885-92 Enhanced cell attachment using a novel cell culture surface presenting functional domains from extracellular matrix proteins. 2008, 56, 71-9 Hybrid approaches to nanometer-scale patterning: Exploiting tailored intermolecular interactions.	7 2 50 66
1779 1778 1777 1776	A thermal and passivation study of self-assembled monolayers on thin gold films. 2008, 516, 5721-5724 Effect of lateral morphology formation of polymer blend towards patterning silane-based SAMs using selective dissolution method. 2008, 108, 458-64 Novel carbon nanosheets as support for ultrahigh-resolution structural analysis of nanoparticles. 2008, 108, 885-92 Enhanced cell attachment using a novel cell culture surface presenting functional domains from extracellular matrix proteins. 2008, 56, 71-9 Hybrid approaches to nanometer-scale patterning: Exploiting tailored intermolecular interactions. 2008, 10, 1231-1240 Relationship Between Structure and Solubility of Thiol-Protected Silver Nanoparticles and	7 2 50 66 17

1771	Gold nanoparticles decorated with oligo(ethylene glycol) thiols: kinetics of colloid aggregation driven by depletion forces. 2008 , 37, 551-61	19
1770	In-situ formation and detailed analysis of imine bonds for the construction of conjugated aromatic monolayers on Au(111). 2008 , 93, 293-301	8
1769	An anchoring strategy for photoswitchable biosensor technology: azobenzene-modified SAMs on Si(111). 2008 , 93, 285-292	37
1768	Square-pyramidal iron coordination modules as potential spin switches for the chemisorption on gold. 2008 , 93, 303-311	4
1767	Fluorescence Quenching of CdTe Nanocrystals by Bound Gold Nanoparticles in Aqueous Solution. 2008 , 3, 3-11	51
1766	Synthesis and Microstructural Investigations of Organometallic Pd(II) Thiol-Gold Nanoparticles Hybrids. 2008 , 3, 461-467	27
1765	Active-site structure, binding and redox activity of the heme-thiolate enzyme CYP2D6 immobilized on coated Ag electrodes: a surface-enhanced resonance Raman scattering study. 2008 , 13, 85-96	14
1764	Intracellular gold nanoparticles enhance non-invasive radiofrequency thermal destruction of human gastrointestinal cancer cells. 2008 , 6, 2	200
1763	Achieving precision and reproducibility for writing patterns of n-alkanethiol self-assembled monolayers with automated nanografting. 2008 , 30, 123-36	14
1762	Understanding the properties of interfaces between organic self-assembled monolayers and noble metals theoretical perspective. 2008 , 40, 371-378	39
1761	Self-assembled-monolayer formation of long alkanedithiols in molecular junctions. 2008, 4, 100-4	66
1760	Polyethylene glycol as a novel resist and sacrificial material for generating positive and negative nanostructures. 2008 , 4, 920-4	20
1759	High-fidelity formation of a molecular-junction device using a thickness-controlled bilayer architecture. 2008 , 4, 1399-405	24
1758	A self-correcting inking strategy for cantilever arrays addressed by an inkjet printer and used for dip-pen nanolithography. 2008 , 4, 1666-70	35
1757	Development of polymer-encapsulated metal nanoparticles as surface-enhanced Raman scattering probes. 2009 , 5, 198-202	129
1756	Exploring the reactivity of mixed Iffunctionalized undecanethiol self-assembled monolayers ADFT study. 2008 , 108, 1792-1795	17
1755	Molecular beam deposition and characterization of thin organic films on metals for applications in organic electronics. 2008 , 205, 497-510	47
1754	Evaluation of a new matrix-free laser desorption/ionization method through statistic studies: comparison of the DIAMS (desorption/ionization on self-assembled monolayer surface) method with the MALDI and TGFA-LDI techniques. 2008 , 43, 1618-26	11

1753	Binary Reactive/Inert Non-Fouling Polymeric Surfaces. 2008 , 29, 1937-1943	6
1752	Adlayer structure of octa-alkoxy-substituted copper(II) phthalocyanine on Au(111) by electrochemical scanning tunneling microscopy. 2008 , 71, 20-5	3
1751	Sample preparation for the quick sizing of metal nanoparticles by atomic force microscopy. 2008 , 71, 870-9	7
1750	Preparation and SERS study of triangular silver nanoparticle self-assembled films. 2008, 39, 1673-1678	35
1749	Globotriose-functionalized gold nanoparticles as multivalent probes for Shiga-like toxin. 2008, 9, 1100-9	96
1748	Supramolecular domains in mixed peptide self-assembled monolayers on gold nanoparticles. 2008 , 9, 2127-34	37
1747	Live-cell fluorescence microscopy of directed cell migration on partially etched electroactive SAM gold surfaces. 2008 , 9, 2220-4	17
1746	Microfluidic lithography to create dynamic gradient SAM surfaces for spatio-temporal control of directed cell migration. 2008 , 9, 2628-32	27
1745	Isomeric control of protein recognition with amino acid- and dipeptide-functionalized gold nanoparticles. 2008 , 14, 143-50	48
1744	Design of hydrophobic polyoxometalate hybrid assemblies beyond surfactant encapsulation. 2008 , 14, 2349-54	134
1743	Dipodal ferrocene-based adsorbate molecules for self-assembled monolayers on gold. 2008 , 14, 4346-60	34
1742	Structural control of the horizontal double fixation of oligothiophenes on gold. 2008 , 14, 6237-46	9
1741	Protein-resistant surfaces through mild dopamine surface functionalization. 2008, 14, 10579-84	65
1740	Electrochemical functionalization of carbon surfaces by aromatic azide or alkyne molecules: a versatile platform for click chemistry. 2008 , 14, 9286-91	123
1739	Maßeschneiderte Organische Oberflähen. Dinstschichten. 2008 , 42, 128-141	5
1738	Instability of self-assembled monolayers as a model material system for macrophage/FBGC cellular behavior. 2008 , 86, 261-8	19
1737	Straightforward Synthesis of Fluorinated Amphiphilic Thiols. 2008, 2008, 3308-3313	18
1736	Electrochemical Characterization of In Situ Functionalized Gold Cysteamine Self-Assembled Monolayer with 4-Formylphenylboronic Acid for Detection of Dopamine. 2008 , 20, 550-557	31

1735	Advances in Interfacial Design for Electrochemical Biosensors and Sensors: Aryl Diazonium Salts for Modifying Carbon and Metal Electrodes. 2008 , 20, 573-582	220
1734	A Novel Electrochemical DNA Biosensor Fabricated with Layer-by-Layer Covalent Attachment of Multiwalled Carbon Nanotubes and Gold Nanoparticles. 2008 , 20, 1220-1226	48
1733	Influence of the Chain Length of Alkanethiols in Self-Assembled Submonolayers on the Electrochemical Response of Aromatic Amine Mixtures. 2008 , 20, 2614-2620	4
1732	Nonfouling biomaterials based on polyethylene oxide-containing amphiphilic triblock copolymers as surface modifying additives: Synthesis and characterization of copolymers and surface properties of copolymerpolyurethane blends. 2008 , 108, 1617-1628	23
1731	Directing the structure of metal-organic frameworks by oriented surface growth on an organic monolayer. 2008 , 47, 5777-9	156
1730	Electron-beam chemical lithography with aliphatic self-assembled monolayers. 2008, 47, 1421-4	99
1729	Subnanometer-resolved patterning of bicomponent self-assembled monolayers on Au(111). 2008 , 47, 2484-8	18
1728	Light-powered electrical switch based on cargo-lifting azobenzene monolayers. 2008 , 47, 3407-9	260
1727	Monolayer-barcoded nanoparticles for on-chip DNA hybridization assay. 2008 , 47, 5009-12	60
1726	Seeing molecules by eye: surface plasmon resonance imaging at visible wavelengths with high spatial resolution and submonolayer sensitivity. 2008 , 47, 5013-7	61
1725	Self-assembled monolayers of compact phosphanes with alkanethiolate pendant groups: remarkable reusability and substrate selectivity in Rh catalysis. 2008 , 47, 5627-30	43
1724	Chemical strategies for generating protein biochips. 2008 , 47, 9618-47	507
1723	Intramolecular Dipole Coupling and Depolarization in Self-Assembled Monolayers. 2008, 18, 2228-2236	56
1722	Novel Strategies for the Deposition of ?COOH Functionalized Conducting Copolymer Films and the Assembly of Inorganic Nanoparticles on Conducting Polymer Platforms. 2008 , 18, 1929-1938	45
1721	Electropolymerized Self-Assembled Monolayers of a 3,4-Ethylenedioxythiophene-Thiophene Hybrid System. 2008 , 18, 2163-2171	30
1720	The Dielectric Constant of Self-Assembled Monolayers. 2008 , 18, 3999-4006	95
1719	Bimaterial Microcantilevers as a Hybrid Sensing Platform. 2008 , 20, 653-680	155
1718	Nanobiomaterials and Nanoanalysis: Opportunities for Improving the Science to Benefit Biomedical Technologies. 2008 , 20, 867-877	166

(2008-2008)

1717	Nanopatterned Seir-Assembled Monolayers by Using Diblock Copolymer Micelles as Nanometer-Scale Adsorption and Etch Masks. 2008 , 20, 1962-1965	14
1716	Applications of Nanoparticles in Biology. 2008 , 20, 4225-4241	1241
1715	Reversible Conductance Switching in Molecular Devices. 2008 , 20, 1467-1473	232
1714	Directing the Structure of Metal©rganic Frameworks by Oriented Surface Growth on an Organic Monolayer. 2008 , 120, 5861-5863	54
1713	Electron-Beam Chemical Lithography with Aliphatic Self-Assembled Monolayers. 2008, 120, 1443-1446	21
1712	Subnanometer-Resolved Patterning of Bicomponent Self-Assembled Monolayers on Au(111). 2008 , 120, 2518-2522	6
1711	Light-Powered Electrical Switch Based on Cargo-Lifting Azobenzene Monolayers. 2008, 120, 3455-3457	72
1710	Monolayer-Barcoded Nanoparticles for On-Chip DNA Hybridization Assay. 2008 , 120, 5087-5090	8
1709	Seeing Molecules by Eye: Surface Plasmon Resonance Imaging at Visible Wavelengths with High Spatial Resolution and Submonolayer Sensitivity. 2008 , 120, 5091-5095	3
1708	Self-Assembled Monolayers of Compact Phosphanes with Alkanethiolate Pendant Groups: Remarkable Reusability and Substrate Selectivity in Rh Catalysis. 2008 , 120, 5709-5712	10
1707	Chemische Verfahren zur Herstellung von Proteinbiochips. 2008 , 120, 9762-9792	57
1706	Controlling the formation of gold nanoparticle domains onto inorganic substrates. 2008, 40, 1709-1711	1
1705	Making contact: Connecting molecules electrically to the macroscopic world. 2008, 83, 217-261	168
1704	Demonstration of surface sensing using long-range surface plasmon waveguides on silica. 2008 , 134, 455-461	27
1703	Organometallic chemistry and catalysis on gold metal surfaces. 2008 , 693, 847-856	48
1702	Synthesis and characterization of gold nanoparticles stabilized by palladium(II) phosphine thiol. 2008 , 693, 1043-1048	31
1701	Resonance Raman process and photo-induced phase transition via 632.8 nm irradiation for diacetylene monocarboxylic acid derivative self-assembled layers on Ag surfaces. 2008 , 194, 356-361	5
1700	Studies of protection of self-assembled films by 2-mercapto-5-methyl-1,3,4-thiadiazole on iron surface in 0.1 M H2SO4 solutions. 2008 , 612, 257-268	55

1699	Dissolution kinetics of octadecanethiolate monolayers electro-adsorbed on Au(111). 2008, 621, 267-276	20
1698	Structure and redox behavior of azobenzene-containing monolayers on Au(1 1 1): A combined STM, X-ray reflectivity, and voltammetry study. 2008 , 619-620, 152-158	16
1697	An optimised electrode pre-treatment for SAM formation on polycrystalline gold. 2008, 621, 117-120	74
1696	Electrochemical kinetic analysis of a 1,4-hydroxynaphthoquinone self-assembled monolayer. 2008 , 622, 37-43	36
1695	Synthesis of 1,4-hydroquinone-terminated alkanethiol and self-assembly on gold as characterized by interfacial electrochemistry, electrocatalysis application and ab initio calculation based on comparison with catechol-presenting analogue. 2008 , 623, 49-53	10
1694	Study of the solvent effect on the quality of dodecanethiol self-assembled monolayers on polycrystalline gold. 2008 , 624, 315-322	28
1693	Drug delivery from gold and titanium surfaces using self-assembled monolayers. 2008, 29, 4561-73	88
1692	Dipyrromethenedodecanethiol self-assembled monolayers deposited onto gold electrodes. 2008 , 53, 7932-7940	17
1691	Silicon oxide surface functionalization by self-assembled nanolayers for microcantilever transducers. 2008 , 321, 87-93	10
1690	Detection of non-cross-linking interaction between DNA-modified gold nanoparticles and a DNA-modified flat gold surface using surface plasmon resonance imaging on a microchip. 2008 , 62, 71-6	22
1689	Anomalous adsorptive properties of HIV protease: indication of two-dimensional crystallization?. 2008 , 64, 145-9	3
1688	DFT studies on the phenol and thiophenol interaction on an undecagold cluster surface. 2008 , 455, 64-71	16
1687	Formation process of micrometer-sized pseudoisocyanine J-aggregates studied by single-aggregate fluorescence spectroscopy. 2008 , 457, 427-433	6
1686	A SERS study of the molecular structure of alkanethiol monolayers on Ag nanocubes in the presence of aqueous glucose. 2009 , 463, 166-171	39
1685	Label free electrochemical DNA hybridization discrimination effects at the binary and ternary mixed monolayers of single stranded DNA/diluent/s in presence of cationic intercalators. 2008 , 23, 1250-8	38
1684	Efficient one-cycle affinity selection of binding proteins or peptides specific for a small-molecule using a T7 phage display pool. 2008 , 16, 9837-46	23
1683	Photoactivated enediynes as targeted antitumoral agents: efficient routes to antibody and gold nanoparticle conjugates. 2008 , 18, 934-7	31
1682	Stimuli-responsive hydrogel-silver nanoparticles composite for development of localized surface plasmon resonance-based optical biosensor. 2008 , 611, 205-11	100

(2008-2008)

1681	Electrochemical effects of coordination to Ru(III) anchored on a gold electrode via a self-assembled mercaptoacetate. 2008 , 11, 300-302	2
1680	Synthetic and structural chemistry of groups 11 and 12 metal complexes of the zwitterionic ammonium thiolate ligands. 2008 , 252, 2026-2049	47
1679	Thermal dissociation of HSCH2CH2OH on Cu(1 1 1). 2008 , 602, 3266-3271	1
1678	Characterization of mixed self-assembled monolayers for immobilization of streptavidin using chemical force microscopy. 2008 , 108, 1140-3	10
1677	Fast displacement and structural transition of cyclohexanethiol self-assembled monolayers by octanethiols on Au (111). 2008 , 108, 1311-4	16
1676	Chemically-modified nanopores for sensing. 2008 , 27, 627-639	160
1675	Study on the intermolecular interactions between the functional moieties in ferrocene-terminated alkanethiol self-assembled monolayer on gold. 2008 , 516, 3051-3057	15
1674	Thermal effect on superhydrophobic performance of stearic acid modified ZnO nanotowers. 2008 , 254, 2690-2695	98
1673	First-principles calculations of ethanethiol adsorption and decomposition on GaN (0 0 0 1) surface. 2008 , 254, 6514-6520	6
1672	ToF-SIMS study on the cleaning methods of Au surface and their effects on the reproducibility of self-assembled monolayers. 2008 , 255, 1025-1028	25
1671	Aliphatic dithiocarboxylic acids: New adsorbates for soft lithographic patterning. 2008, 254, 7064-7068	11
1670	Molecular-scale investigation of octanethiol self-assembled monolayers on Au(111) prepared by solution and vapor deposition at high temperature. 2008 , 313-314, 324-327	14
1669	Control of two-dimensional structure of tolanethioacetate self-assembled monolayers on Au(111). 2008 , 313-314, 608-611	9
1668	Analysis of a non-labeling protein array on biotin modified gold surfaces using atomic force microscopy and surface plasmon resonance. 2008 , 313-314, 541-544	12
1667	A facile route to stabilize SERS-marker molecules on Ag particles: Layer-by-layer deposition of polyelectrolytes. 2008 , 316, 1-7	19
1666	Synthesis of poly(ethylene oxide)-based thermoresponsive block copolymers by RAFT radical polymerization and their uses for preparation of gold nanoparticles. 2008 , 317, 496-503	35
1665	Room-temperature ionic liquid as a new solvent to prepare high-quality dodecanethiol self-assembled monolayers on polycrystalline gold. 2008 , 10, 587-591	20
1664	Rapid formation of well-ordered self-assembled monolayers of dodecanethiol on polycrystalline gold by microwave irradiation. 2008 , 10, 582-586	9

1663	Potential of zero charge as a sensitive probe for the titration of ionizable self-assembled monolayers. 2008 , 10, 1548-1550		15
1662	Hydroxamation of gold surface via in-situ layer-by-layer functionalization of cysteamine self-assembled monolayer: Preparation and electrochemical characterization. 2008 , 53, 6293-6303		50
1661	A new cleaning methodology for efficient Au-SAM removal. 2008 , 53, 7681-7689		18
1660	Electrochemical fabrication of a heterogeneous binary SAM on polycrystalline Au. 2008 , 54, 388-393		20
1659	Phosphane copper(I) formate complexes stabilized by formic acid and acetic acid through H?O?H bridges. 2008 , 361, 95-102		15
1658	Insertion of a functionalised single molecule magnet into preformed self-assembled monolayers. 2008 , 361, 3944-3950		3
1657	Direct growth of Cu3(BTC)2(H2O)3 🛘 xH2O thin films on modified QCM-gold electrodes 🗗 water sorption isotherms. 2008 , 114, 380-386		166
1656	Development of a ReaxFF description for gold. 2008 , 66, 75-79		53
1655	Superhydrophobic surfaces: from structural control to functional application. 2008 , 18, 621-633		1378
1654	Rapid room-temperature synthesis of silver nanoplates with tunable in-plane surface plasmon resonance from visible to near-IR. 2008 , 18, 2673		38
1653	Facile construction of sulfanyl-terminated poly(ethylene glycol)-brushed layer on a gold surface for protein immobilization by the combined use of sulfanyl-ended telechelic and semitelechelic poly(ethylene glycol)s. 2008 , 24, 9623-9		30
1652	Surface-enhanced Raman spectroscopy. 2008 , 1, 601-26		2270
1651	Mass spectrometry of self-assembled monolayers: a new tool for molecular surface science. 2008 , 2, 7-18		157
1650	Synthesis and stability of monolayer-protected Au38 clusters. 2008 , 130, 11049-55		154
1649	SERS as a bioassay platform: fundamentals, design, and applications. 2008 , 37, 1001-11		478
1648	Lithographic mechanical break junctions for single-molecule measurements in vacuum: possibilities and limitations. 2008 , 10, 065008		111
1647	X-ray diffraction and computation yield the structure of alkanethiols on gold(111). 2008, 321, 943-6		269
1646	Digital information processing in molecular systems. <i>Chemical Reviews</i> , 2008 , 108, 3481-548	68.1	714

(2008-2008)

1645	Surface plasmon resonance analysis of Alzheimer's beta-amyloid aggregation on a solid surface: from monomers to fully-grown fibrils. 2008 , 80, 2400-7		63
1644	Gold Electrodes Modified with Self-Assembled Monolayers for Measuring L-Ascorbic Acid: An Undergraduate Analytical Chemistry Laboratory Experiment. 2008 , 85, 1112		4
1643	Formation of surface layers on silver nanoparticles in aqueous and water-organic media. 2008 , 70, 71-76		36
1642	Biological properties of "naked" metal nanoparticles. 2008 , 60, 1289-1306		664
1641	Functionalizing hydrogen-bonded surface networks with self-assembled monolayers. 2008 , 454, 618-21		333
1640	Electronic functionalization of the surface of organic semiconductors with self-assembled monolayers. 2008 , 7, 84-9		177
1639	Biosensing with plasmonic nanosensors. 2008 , 7, 442-53		5354
1638	Upscaling, integration and electrical characterization of molecular junctions. 2008, 3, 749-54		88
1637	Polymorph control: past, present and future. 2008 , 13, 198-210		247
1636	XPS study of the assembling morphology of 3-hydroxy-3-phosphono-butiric acid tert-butyl ester on variously pretreated Al surfaces. 2008 , 63, 272-281		14
1635	Preparation of uncoated iron oxide nanoparticles by thermal decarboxylation of iron hydroxide cetylsulfonyl acetate in solution. 2008 , 62, 219-221		10
1634	Gold immuno-functionalisation via self-assembled monolayers: study of critical parameters and comparative performance for protein and bacteria detection. 2008 , 336, 203-12		28
1633	Cantilever biosensors. 2008 , 133, 855-63		204
1632	Calcium Carbonate Storage in Amorphous Form and Its Template-Induced Crystallization 2008, 20, 1064-1068		88
1631	Binding between Carbon and the Au(111) Surface and What Makes It Different from the SAu(111) Bond. 2008 , 112, 17611-17617		33
1630	Charge transport in nanoparticle assemblies. <i>Chemical Reviews</i> , 2008 , 108, 4072-124	68.1	415
1629	Assembly of dithiocarbamate-anchored monolayers on gold surfaces in aqueous solutions. 2008 , 24, 8660-6		55
1628	Size limitations for the formation of ordered striped nanoparticles. 2008 , 130, 798-9		96

1627	On the self assembly of short chain alkanedithiols. 2008 , 10, 6836-41	58
1626	Water-soluble amphiphilic gold nanoparticles with structured ligand shells. 2008 , 196-8	88
1625	Scanning electrochemical microscopy. 59. Effect of defects and structure on electron transfer through self-assembled monolayers. 2008 , 24, 2841-9	62
1624	Reduction-induced switching of single-molecule conductance of fullerene derivatives. 2008 , 112, 10563-72	26
1623	Effect of electrode roughness on the capacitive behavior of self-assembled monolayers. 2008, 80, 7670-7	49
1622	An entropic perspective of protein stability on surfaces. 2008 , 94, 4473-83	65
1621	Formation of ordered self-assembled monolayers by adsorption of octylthiocyanates on Au(111). 2008 , 24, 91-6	46
1620	Multiple Surface Functionalities through Step-by-Step Hydrolysis of Self-Assembled Monolayers. 2008 , 20, 5197-5202	6
1619	Membrane-substrate interface: phospholipid bilayers at chemically and topographically structured surfaces. 2008 , 3, FA22	15
1618	Water at polar and nonpolar solid walls. 2008 , 3, FC23-39	86
1617	Controlled assembly of eccentrically encapsulated gold nanoparticles. 2008 , 130, 11858-9	182
1616	Gold Nanostars For Surface-Enhanced Raman Scattering: Synthesis, Characterization and Optimization. 2008 , 2008, 18849-18859	531
1615	Synthesis and self-assembly of thio derivatives of calix[4] arene on noble metal surfaces. 2008 , 24, 11523-32	23
1614	Temperature-responsive self-assembled monolayers of oligo(ethylene glycol): control of biomolecular recognition. 2008 , 2, 757-65	107
1613	Challenges and breakthroughs in recent research on self-assembly. 2008, 9, 014109	645
1612	Combining self-assembled monolayers and mass spectrometry for applications in biochips. 2008 , 1, 767-800	63
1611	Unimolecular electronics. 2008, 18, 4364	136
1610	The interface energetics of self-assembled monolayers on metals. 2008 , 41, 721-9	340

1609	Cheap and robust ultraflat gold surfaces suitable for high-resolution surface modification. 2008 , 24, 821-5	22
1608	Bulk and surface sensitivities of surface plasmon waveguides. 2008 , 10, 105010	128
1607	DNA-mediated electrochemistry. 2008 , 19, 2285-96	135
1606	Synthesis of mercaptothiadiazole-functionalized gold nanoparticles and their self-assembly on Au substrates. 2008 , 19, 085602	97
1605	Controlled assembly of large pi-conjugated aromatic thiols on Au(111). 2008 , 19, 135605	12
1604	Redox-linked protein dynamics of cytochrome c probed by time-resolved surface enhanced infrared absorption spectroscopy. 2008 , 10, 5276-86	54
1603	Single-molecule electron transfer in electrochemical environments. <i>Chemical Reviews</i> , 2008 , 108, 2737-968.1	247
1602	Gas-phase ion-mobility characterization of SAM-functionalized Au nanoparticles. 2008 , 24, 8483-90	71
1601	Comprehensive investigation of self-assembled monolayer formation on ferromagnetic thin film surfaces. 2008 , 130, 9763-72	42
1600	Applied Scanning Probe Methods IX. 2008,	
1600 1599	Applied Scanning Probe Methods IX. 2008, Correlation between the molecular structure and photoresponse in aliphatic self-assembled monolayers with azobenzene tailgroups. 2008, 24, 11691-700	61
	Correlation between the molecular structure and photoresponse in aliphatic self-assembled	61
1599	Correlation between the molecular structure and photoresponse in aliphatic self-assembled monolayers with azobenzene tailgroups. 2008 , 24, 11691-700 Modular poly(ethylene glycol) ligands for biocompatible semiconductor and gold nanocrystals with	
1599 1598	Correlation between the molecular structure and photoresponse in aliphatic self-assembled monolayers with azobenzene tailgroups. 2008, 24, 11691-700 Modular poly(ethylene glycol) ligands for biocompatible semiconductor and gold nanocrystals with extended pH and ionic stability. 2008, 18, 4949	186
1599 1598 1597	Correlation between the molecular structure and photoresponse in aliphatic self-assembled monolayers with azobenzene tailgroups. 2008, 24, 11691-700 Modular poly(ethylene glycol) ligands for biocompatible semiconductor and gold nanocrystals with extended pH and ionic stability. 2008, 18, 4949 Atomic contributions to friction and load for tipBelf-assembled monolayers interactions. 2008, 78, Heterogeneous ozone oxidation reactions of 1-pentene, cyclopentene, cyclohexene, and a	186
1599 1598 1597 1596	Correlation between the molecular structure and photoresponse in aliphatic self-assembled monolayers with azobenzene tailgroups. 2008, 24, 11691-700 Modular poly(ethylene glycol) ligands for biocompatible semiconductor and gold nanocrystals with extended pH and ionic stability. 2008, 18, 4949 Atomic contributions to friction and load for tipBelf-assembled monolayers interactions. 2008, 78, Heterogeneous ozone oxidation reactions of 1-pentene, cyclopentene, cyclohexene, and a menthenol derivative studied by sum frequency generation. 2008, 112, 11688-98	186 26 53
1599 1598 1597 1596	Correlation between the molecular structure and photoresponse in aliphatic self-assembled monolayers with azobenzene tailgroups. 2008, 24, 11691-700 Modular poly(ethylene glycol) ligands for biocompatible semiconductor and gold nanocrystals with extended pH and ionic stability. 2008, 18, 4949 Atomic contributions to friction and load for tipBelf-assembled monolayers interactions. 2008, 78, Heterogeneous ozone oxidation reactions of 1-pentene, cyclopentene, cyclohexene, and a menthenol derivative studied by sum frequency generation. 2008, 112, 11688-98 The erratic emission of pyrene on gold nanoparticles. 2008, 2, 77-84	186 26 53 55

1591	In situphotoelectron spectroscopy study of water adsorption on model biomaterial surfaces. 2008 , 20, 184024	27
1590	Self-assembly of amphiphilic gold nanoparticles decorated with a mixed shell of oligo(p-phenylene vinylene)s and ethyleneoxide ligands. 2008 , 18, 3438	22
1589	Effect of molecular conformations on the adsorption behavior of gold-binding peptides. 2008, 24, 12440-5	170
1588	Functional molecules and assemblies in controlled environments: formation and measurements. 2008 , 41, 1772-81	95
1587	Adsorption of 4-mercaptopyridine on Au(111: a periodic DFT study. 2008 , 24, 13985-92	47
1586	Selective photothermal therapy for mixed cancer cells using aptamer-conjugated nanorods. 2008 , 24, 11860-5	200
1585	Adsorption geometry variation of 1,4-benzenedimethanethiol self-assembled monolayers on Au(111) grown from the vapor phase. 2008 , 128, 134711	41
1584	Detection of mismatched DNA on partially negatively charged diamond surfaces by optical and potentiometric methods. 2008 , 130, 13251-63	59
1583	The Quartz Crystal Microbalance. 2008 , 5, 133-169	2
1582	Stability of self-assembled monolayers on titanium and gold. 2008 , 24, 6774-84	115
1581	Two-Tiered Designer Architecture for Matrix-Free LDI-TOF MS of a Self-Assembled Monolayer. 2008 , 112, 11078-11081	8
1581 1580	2008, 112, 11078-11081 Thermal and Hyperthermal Collision-Energy Depositions of Transition MetalBenzene Sandwich	8
	2008, 112, 11078-11081 Thermal and Hyperthermal Collision-Energy Depositions of Transition MetalBenzene Sandwich	
1580	2008, 112, 11078-11081 Thermal and Hyperthermal Collision-Energy Depositions of Transition MetalBenzene Sandwich Complexes onto a Self-Assembled n-Octadecanethiol Monolayer. 2008, 112, 6891-6899 Protein arrays on patterned porous gold substrates interrogated with mass spectrometry:	22
1580 1579	Thermal and Hyperthermal Collision-Energy Depositions of Transition MetalBenzene Sandwich Complexes onto a Self-Assembled n-Octadecanethiol Monolayer. 2008, 112, 6891-6899 Protein arrays on patterned porous gold substrates interrogated with mass spectrometry: detection of peptides in plasma. 2008, 80, 1448-58 Synthesis and Electrochemiluminescence of a Ru(bpy)3-Labeled Coupling Adduct Produced on a	22 42
1580 1579 1578	Thermal and Hyperthermal Collision-Energy Depositions of Transition MetalBenzene Sandwich Complexes onto a Self-Assembled n-Octadecanethiol Monolayer. 2008, 112, 6891-6899 Protein arrays on patterned porous gold substrates interrogated with mass spectrometry: detection of peptides in plasma. 2008, 80, 1448-58 Synthesis and Electrochemiluminescence of a Ru(bpy)3-Labeled Coupling Adduct Produced on a Self-Assembled Monolayer. 2008, 112, 2949-2957 Electroactive dipyrromethene-Cu(II) self-assembled monolayers: complexation reaction on the	22 42 21
1580 1579 1578 1577	Thermal and Hyperthermal Collision-Energy Depositions of Transition MetalBenzene Sandwich Complexes onto a Self-Assembled n-Octadecanethiol Monolayer. 2008, 112, 6891-6899 Protein arrays on patterned porous gold substrates interrogated with mass spectrometry: detection of peptides in plasma. 2008, 80, 1448-58 Synthesis and Electrochemiluminescence of a Ru(bpy)3-Labeled Coupling Adduct Produced on a Self-Assembled Monolayer. 2008, 112, 2949-2957 Electroactive dipyrromethene-Cu(II) self-assembled monolayers: complexation reaction on the surface of gold electrodes. 2008, 24, 11239-45 Grafting of monocarboxylic substituted polychlorotriphenylmethyl radicals onto a	22 42 21 28

1573	Water-soluble gold nanoparticles protected by fluorinated amphiphilic thiolates. 2008, 130, 15678-82	69
1572	Bent-core liquid crystal (LC) decorated gold nanoclusters: synthesis, self-assembly, and effects in mixtures with bent-core LC hosts. 2008 , 18, 2983	71
1571	Electrical conduction through single molecules and self-assembled monolayers. 2008, 20, 013001	201
1570	Self-assembled monolayers of electroactive polychlorotriphenylmethyl radicals on Au(111). 2008 , 130, 5499-506	60
1569	Exploring electronic transport in molecular junctions by conducting atomic force microscopy. 2008 , 285, 157-202	19
1568	Interaction of coinage metal clusters with chalcogen dihydrides. 2008 , 112, 7969-75	36
1567	Nanoparticle MALDI-TOF mass spectrometry without fragmentation: Au25(SCH2CH2Ph)18 and mixed monolayer Au25(SCH2CH2Ph)(18-x)(L)(x). 2008 , 130, 5940-6	307
1566	Nuclear coupling and polarization in molecular transport junctions: beyond tunneling to function. 2008 , 319, 1056-60	256
1565	Monolayers and multilayers of conjugated polymers as nanosized electronic components. 2008 , 41, 1098-109	90
1564	Spontaneously Formed Sulfur Adlayers on Gold in Electrolyte Solutions: Adsorbed Sulfur or Gold Sulfide?. 2008 , 112, 11394-11402	82
1563	Functional core/shell nanoparticles via layer-by-layer assembly. investigation of the experimental parameters for controlling particle aggregation and for enhancing dispersion stability. 2008 , 24, 1778-89	171
1562	Porphyrazines: Designer Macrocycles by Peripheral Substituent Change. 2008 , 61, 235	50
1561	Nanoskiving: a new method to produce arrays of nanostructures. 2008, 41, 1566-77	122
1560	A synthetic surface that undergoes spatiotemporal remodeling. 2008 , 8, 3336-40	7
1559	Amidation of Monolayers on Silicon in Physiological Buffers: A Quantitative IR Study. 2008, 112, 7158-7167	47
1558	Interactions between milk proteins and exopolysaccharides produced by Lactococcus lactis observed by scanning electron microscopy. 2008 , 91, 2583-90	49
1557	Three-component zipper assembly of photoactive cascade architectures with blue, red and colorless naphthalenediimide donors and acceptors. 2008 , 6, 3970-6	16
1556	Self-Assembled Monolayer Formation on Molybdenum with Octadecyltrichlorosilane and Phenethyltrichlorosilane and Measurement of MolybdenumBentacene Interface Properties. 2008, 155, H357	13

1555	Characterization of Functionalized Undecanethiol Mixed Self-Assembled Monolayers on Au(111): A Combined Polarization Modulation Infrared Reflection bsorption Spectroscopy/X-ray Photoelectron Spectroscopy/Periodic Density Functional Theory Study. 2008 , 112, 182-190	61
1554	Nanoparticle Organization by a Co(II) Coordination Chemistry Directed Recognition Reaction. 2008 , 112, 10100-10107	10
1553	QCM-D analysis of the performance of blocking agents on gold and polystyrene surfaces. 2008 , 24, 8695-700	79
1552	A general and efficient method to form self-assembled cucurbit[n]uril monolayers on gold surfaces. 2008 , 1989-91	109
1551	Formation of epitaxial gold nanoislands on (100) silicon. 2008 , 78,	42
1550	Targeted photothermal lysis of the pathogenic bacteria, Pseudomonas aeruginosa, with gold nanorods. 2008 , 8, 302-6	426
1549	Covalent attachment of organic monolayers to silicon carbide surfaces. 2008 , 24, 4007-12	97
1548	One-step photochemical attachment of NHS-terminated monolayers onto silicon surfaces and subsequent functionalization. 2008 , 24, 7931-8	72
1547	Synthesis and surface self-assembly of [3]rotaxane-porphyrin conjugates: toward the development of a supramolecular surface tweezer for C60. 2008 , 24, 10865-73	28
1546	Impedance-Based Biosensors for Pathogen Detection. 2008 , 341-376	5
1545	Biomimetic model systems for investigating the amorphous precursor pathway and its role in biomineralization. <i>Chemical Reviews</i> , 2008 , 108, 4551-627	783
1544	Dynamics of biomineral formation at the near-molecular level. <i>Chemical Reviews</i> , 2008 , 108, 4784-822 68.1	82
1543	Effect of the Bending Potential on Molecular Arrangement in Alkaneselenolate Self-Assembled Monolayers. 2008 , 112, 12495-12506	41
1542	Metal and Magnetic Nanostructures for Cancer Detection, Imaging, and Therapy. 2008 , 4, 377-399	6
1541	Polymeric and biomacromolecular brush nanostructures: progress in synthesis, patterning and characterization. 2008 , 4, 1774	90
1540	Synthesis and Characterization of a Thiol-Tethered Tripyridyl Porphyrin on Au(111). 2008 , 112, 6110-6118	35
1539	A Method for Obtaining Defined End Groups of Polymethacrylates Prepared by the RAFT Process during Aminolysis. 2008 , 41, 8316-8319	77
1538	Preparation and Adhesion of a Dual-Component Self-Assembled Dual-Layer Film on Silicon by a Dip-Coating Nanoparticles Method. 2008 , 112, 11257-11264	14

1537	Adsorption of thiols on the Pd(111) surface: a first principles study. 2008 , 24, 10838-42	17
1536	Heterogeneous electron transfer at Au/SAM junctions in a room-temperature ionic liquid under pressure. 2008 , 2112-4	18
1535	Macrocycles, catenanes, oligomers and polymers in gold chemistry. 2008 , 37, 2012-27	192
1534	Soft-landing of peptide ions onto self-assembled monolayer surfaces: an overview. 2008 , 10, 1079-90	101
1533	Reactive landing of peptide ions on self-assembled monolayer surfaces: an alternative approach for covalent immobilization of peptides on surfaces. 2008 , 10, 1512-22	72
1532	Structural control of the monolayer stability of water-soluble gold nanoparticles. 2008, 18, 70-73	44
1531	Fully cross-linked and chemically patterned self-assembled monolayers. 2008, 10, 7233-8	31
1530	Fabrication, characterization, and application in surface-enhanced Raman spectrum of assembled type-I collagen-silver nanoparticle multilayered films. 2008 , 128, 074704	26
1529	Nanofabrication with metal containing dendrimers. 2008, 1533-7	12
1528	Minimum Energy Actuation and Bounce-Back Behavior of Microbeams Using \$delta\$ Voltage Pulses. 2008 , 17, 668-677	4
1527	Two-dimensional ordering of benzenethiol self-assembled monolayers guided by displacement of cyclohexanethiols on Au(111). 2008 , 5197-9	33
1526	Triethylsilane as a mild and efficient reducing agent for the preparation of alkanethiol-capped gold nanoparticles. 2008 , 3882-4	30
1525	From self-assembly to charge transport with single molecules - an electrochemical approach. 2009 , 287, 181-255	17
1524	Characterization of interconnects resulting from capillary die-to-substrate self-assembly. 2008,	5
1523	Disorder-order phase change of omega-(N-pyrrolyl)alkanethiol self-assembled monolayers on gold induced by STM scans and thermal activation. 2008 , 10, 3138-49	7
1522	A spectroscopic study of self-assembled monolayer of porphyrin-functionalized oligo(phenyleneethynylene)s on gold: the influence of the anchor moiety. 2008 , 10, 5264-75	16
1521	Promotion of sugar-lectin recognition through the multiple sugar presentation offered by regioselectively addressable functionalized templates (RAFT): a QCM-D and SPR study. 2008 , 6, 1114-22	45
1520	Disk micelles from amphiphilic Janus gold nanoparticles. 2008 , 697-9	41

1519	MetalBemiconductor contact in organic thin film transistors. 2008 , 18, 5437	72
1518	Determination of the surface area of Pd and nanometric Au aggregates supported on a micrometric solid support by thiol adsorption and GC-MS. 2008 , 24, 8045-9	10
1517	Conformational change in 4-pyridineethanethiolate self-assembled monolayers on Au(111) driven by protonation/deprotonation in electrolyte solutions. 2008 , 10, 6935-9	14
1516	Theoretical study of the dynamics of hyperthermal collisions of Ar with a fluorinated alkanethiolate self-assembled monolayer. 2008 , 10, 5776-86	13
1515	A method for removing self-assembled monolayers on gold. 2008 , 24, 8707-10	64
1514	Self-assembled monolayers of CH3COS- terminated surfactant-encapsulated polyoxometalate complexes. 2008 , 24, 4693-9	13
1513	Facile, efficient approach to accomplish tunable chemistries and variable biodistributions for shell cross-linked nanoparticles. 2008 , 9, 1997-2006	87
1512	Self-assembly of an octanethiol monolayer on a gold-stepped surface. 2008 , 24, 2042-50	13
1511	Elucidating the role of surface hydrolysis in preparing organosilane nanostructures via particle lithography. 2008 , 8, 1916-22	70
1510	Temporal evolution of the composition of mixed monolayers on TiO2 surfaces: evidence for a dimerization-induced chelate effect. 2008 , 24, 5249-52	9
1509	Enzymatic proteolysis of a surface-bound alpha-helical polypeptide. 2008 , 24, 13944-56	10
1508	Structural transition of molecular assembly under photo-irradiation: an STM study. 2008, 10, 6467-78	29
1507	Construction of Mono- and Multimolecular Layers with Electron Transfer Mediation Function and Catalytic Activity for Hydrogen Evolution on a Hydrogen-Terminated Si(111) Surface via Si [Bond. 2008 , 112, 10923-10930	19
1506	A unified view of ligand-protected gold clusters as superatom complexes. 2008 , 105, 9157-62	1264
1505	Lateral diffusion of thiol ligands on the surface of au nanoparticles: an electron paramagnetic resonance study. 2008 , 80, 95-106	84
1504	Fluorescence imaging of the oxidative desorption of a BODIPY-alkyl-thiol monolayer coated Au bead. 2008 , 24, 7881-8	28
1503	Phase-Dependent Desorption from Biphenyl-Substituted Alkanethiol Self-Assembled Monolayers Induced by Ion Irradiation. 2008 , 112, 2248-2251	6
1502	Self-assembled monolayers of alkylphosphonic acid on GaN substrates. 2008 , 24, 6630-5	62

1501	Photopatterned surfaces for site-specific and functional immobilization of proteins. 2008 , 24, 448-57	69
1500	An STM study on nonionic fluorosurfactant zonyl FSN self-assembly on Au(111): large domains, few defects, and good stability. 2008 , 24, 13245-9	22
1499	Single Molecule Conductance through Rigid Norbornylogous Bridges with Zero Average Curvature. 2008 , 112, 9072-9080	16
1498	Surface plasmon resonance spectroscopy-based high-throughput screening of ligands for use in affinity and displacement chromatography. 2008 , 24, 11784-9	9
1497	Sum Frequency Generation Imaging Microscopy of Patterned Self-Assembled Monolayers with Terminal 🗓 H3, 🗓 CH3, 🗓 F2CF3, 🗓 ?C, Phenyl, and 🗓 yclopropyl Groups. 2008, 112, 14529-14537	23
1496	Au adatoms in self-assembly of benzenethiol on the Au(111) surface. 2008 , 130, 7518-9	108
1495	Observation from scanning tunneling microscopy of a striped phase for octanethiol adsorbed on Au(111) from solution. 2008 , 24, 9937-40	24
1494	Micrometer and nanometer scale patterning using the photo-fries rearrangement: toward selective execution of molecular transformations with nanoscale spatial resolution. 2008 , 24, 12420-5	19
1493	Effect of the bridge alkylene chain on adlayer structure and property of functional oligothiophenes studied with scanning tunneling microscopy and spectroscopy. 2008 , 2, 743-9	21
1492	Self-assembled monothiol-terminated hyperbranched polyglycerols on a gold surface: a comparative study on the structure, morphology, and protein adsorption characteristics with linear poly(ethylene glycol)s. 2008 , 24, 4907-16	100
1491	Mechanical and charge transport properties of alkanethiol self-assembled monolayers on a au(111) surface: the role of molecular tilt. 2008 , 24, 2219-23	55
1490	The "staple" motif: a key to stability of thiolate-protected gold nanoclusters. 2008, 130, 2777-9	217
1489	Physical and Electronic Structure Effects of Embedded Dipoles in Self-Assembled Monolayers: Characterization of Mid-Chain Ester Functionalized Alkanethiols on Au{111}. 2008 , 112, 10842-10854	55
1488	Particle-particle interactions and chain dynamics of fluorocarbon and hydrocarbon functionalized ZrO2 nanoparticles. 2008 , 24, 2465-71	12
1487	The reaction pathways for HSCH3 adsorption on Au(111): a density functional theory study. 2008 , 24, 3274-9	38
1486	Blocking of disulfide adsorption by coadsorbing omega-functionalized alkane thiols revealed by wet stamping and fluorescence microscopy. 2008 , 24, 11600-4	13
1485	Self-Assembly of Terephthalic Acid on Rutile TiO2(110): Toward Chemically Functionalized Metal Oxide Surfaces. 2008 , 112, 12606-12609	37
1484	Effects of changes in the interparticle separation induced by alkanethiols on the surface plasmon band and other properties of nanocrystalline gold films. 2008 , 24, 2494-500	23

1483	Roughening of gold atomic steps induced by interaction with tetrahydrofuran. 2008, 24, 2452-8	8
1482	Microfluidic lithography of SAMs on gold to create dynamic surfaces for directed cell migration and contiguous cell cocultures. 2008 , 24, 8885-9	34
1481	In Situ Raman Spectroscopy of Redox Species Confined in Self-Assembled Molecular Films. 2008 , 112, 3741-3746	15
1480	Near-edge X-ray absorption fine structure spectroscopy of diamondoid thiol monolayers on gold. 2008 , 130, 10536-44	44
1479	XPS, TOF-SIMS, NEXAFS, and SPR characterization of nitrilotriacetic acid-terminated self-assembled monolayers for controllable immobilization of proteins. 2008 , 80, 2564-73	82
1478	Reorientation-promoted Exchange Reaction in Aromatic Self-assembled Monolayers. 2008, 112, 15037-15044	10
1477	On the Thermodynamic Stability of (B IB)R30 [®] Methanethiolate Lattice on Reconstructed Au(111) Surface Models. 2008 , 112, 19121-19124	20
1476	Carbohydrate monolayer strategy for electrochemical assay of cell surface carbohydrate. 2008 , 130, 7224-5	110
1475	Bottom-contact poly(3,3'''-didodecylquaterthiophene) thin-film transistors with gold source-drain electrodes modified by alkanethiol monolayers. 2008 , 24, 11889-94	9
1474	Sequential solid-phase fabrication of bifunctional anchors on gold nanoparticles for controllable and scalable nanoscale structure assembly. 2008 , 24, 5667-71	12
1473	Cation-assisted laser desorption/ionization for matrix-free surface mass spectrometry of alkanethiolate self-assembled monolayers on gold substrates and nanoparticles. 2008 , 80, 8526-31	14
1472	Preparation and Characterization of 3 nm Magnetic NiAu Nanoparticles. 2008 , 112, 5365-5372	36
1471	Probing the electronic structure and chemical bonding of gold oxides and sulfides in $AuOn(-)$ and $AuSn(-)$ (n = 1, 2). 2008 , 130, 9156-67	67
1470	Colorimetric sensitivity of gold nanoparticles: minimizing interparticular repulsion as a general approach. 2008 , 80, 6560-6	48
1469	Understanding the Microscopic Structure of SAMs/SiO2 Interfaces in the Presence of Water Using First-Principles Modeling. 2008 , 112, 5567-5572	5
1468	Metallization of a thiol-terminated organic surface using chemical vapor deposition. 2008 , 24, 7986-94	21
1467	Quantitative methods based on twisted nematic liquid crystals for mapping surfaces patterned with bio/chemical functionality relevant to bioanalytical assays. 2008 , 80, 2637-45	21
1466	Electroactive self-assembled monolayers on gold via bipodal dithiazepane anchoring groups. 2008 , 24, 9096-101	13

1465	Synthesis and properties of functionalized 4 nm scale molecular wires with thiolated termini for self-assembly onto metal surfaces. 2008 , 73, 4810-8	23
1464	Precise Tuning of Porosity and Surface Functionality in [email[protected]2 Nanoreactors for High Catalytic Efficiency. 2008 , 20, 5839-5844	166
1463	A 3:1 Site-Differentiated [4Fe-4S] Cluster Immobilized on a Self-Assembled Monolayer. 2008 , 112, 17225-1723	30∡
1462	One-phase synthesis of small gold nanoparticles coated by a horizontal porphyrin monolayer. 2008 , 6300-2	41
1461	Modification of Alkaneselenolate Monolayers by Low-Energy Electrons. 2008, 112, 1191-1198	21
1460	An interfacial oxime reaction to immobilize ligands and cells in patterns and gradients to photoactive surfaces. 2008 , 24, 6201-7	81
1459	Orientation Analysis of IBubstituted Long-Chain Alkanethiols Self-Assembled on Au Substrate. 2008 , 112, 17683-17687	2
1458	Effect of Ligand Shell Structure on the Interaction between Monolayer-Protected Gold Nanoparticles. 2008 , 112, 6279-6284	24
1457	Toposelective electrochemical desorption of thiol SAMs from neighboring polycrystalline gold surfaces. 2008 , 24, 12097-101	18
1456	Micelle fission through surface instability and formation of an interdigitating stalk. 2008 , 130, 17977-80	57
1455	Charge transport through polyene self-assembled monolayers from multiscale computer simulations. 2008 , 112, 14888-97	10
1454	Structure of thiol self-assembled monolayers commensurate with the GaAs (001) surface. 2008 , 24, 13299-30	5 42
1453	Experimental and Theoretical Identification of Valence Energy Levels and Interface Dipole Trends for a Family of (Oligo)Phenylene-ethynylenethiols Adsorbed on Gold. 2008 , 112, 13215-13225	21
1452	Ab initio modeling of amide-stabilized, oligo(ethylene glycol)-terminated self-assemblies: in-SAM molecular geometry, orientation, and hydrogen bonding. 2008 , 112, 1683-7	8
1451	Optical Characterization of Thiolate Self-Assembled Monolayers on Au(111). 2008 , 112, 3899-3906	64
1450	On the importance of purity for the formation of self-assembled monolayers from thiocyanates. 2008 , 24, 6609-15	31
1449	Assembly of nanozeolite monolayers on the gold substrates of piezoelectric sensors. 2008 , 24, 11196-202	19
1448	Nanografting versus solution self-assembly of alpha,omega-alkanedithiols on Au(111) investigated by AFM. 2008 , 24, 11661-8	20

1447	Electrochemical Gating in Scanning Electrochemical Microscopy. 2008 , 112, 2724-2728	13
1446	Generation of surface energy patterns by single pulse laser interference on self-assembled monolayers. 2008 , 24, 13155-60	21
1445	AFM-based lithography for nanoscale protein assays. 2008 , 80, 1361-9	21
1444	Controlled Deposition of Silver Indium Sulfide Ternary Semiconductor Thin Films by Chemical Bath Deposition. 2008 , 20, 4475-4483	58
1443	Chemical manipulation by X-rays of functionalized thiolate self-assembled monolayers on Au. 2008 , 24, 13969-76	25
1442	Soft-landing Isolation of Gas-phase-synthesized Transition Metal B enzene Complexes into a Fluorinated Self-assembled Monolayer Matrix. 2008 , 112, 15824-15831	19
1441	Contacting organic molecules by soft methods: towards molecule-based electronic devices. 2008 , 41, 359-66	114
1440	Assembly of functional molecular nanostructures on surfaces. 2008 , 37, 490-504	125
1439	Inkjet-printed thiol self-assembled monolayer structures on gold: quality control and microarray electrode fabrication. 2008 , 24, 9110-7	18
1438	Functionalization of probe tips and supports for single-molecule recognition force microscopy. 2008 , 285, 29-76	66
1437	Self-Assembled Monolayer of Short Carboxyl-Terminated Molecules Investigated with ex Situ Scanning Tunneling Microscopy. 2008 , 112, 7431-7435	10
1436	Benzimidazole-modified single-stranded DNA: stable scaffolds for 1-dimensional spintronics constructs. 2008 , 112, 16982-9	10
1435	On the Role of Extrinsic and Intrinsic Defects in the Underpotential Deposition of Cu on Thiol-Modified Au(111) Electrodes. 2008 , 112, 3881-3890	36
1434	Incorporation of Etonjugated Molecular Wires into Anisotropic Conductive Adhesive for High-performance Interconnection Applications. 2008 ,	
1433	Synthesis of Sulfur-Containing Polyacetylenes and Fabrication of Their Hybrids with ZnO Nanoparticles. 2008 , 41, 3874-3883	23
1432	AgNO3-Induced photocatalytic degradation of odorous methyl mercaptan in gaseous phase: mechanism of chemisorption and photocatalytic reaction. 2008 , 42, 4540-5	43
1431	Self-assembled monolayers of a bis(pyrazol-1-yl)pyridine-substituted thiol on Au(111). 2008 , 24, 12883-91	38
1430	Odd E ven Effect in Molecular Packing of Biphenyl-Substituted Alkaneselenolate Self-Assembled Monolayers on Au(111): Scanning Tunneling Microscopy Study. 2008 , 112, 15466-15473	56

(2008-2008)

1429	A multisized piezoelectric microcantilever biosensor array for the quantitative analysis of mass and surface stress. 2008 , 93, 102902	34
1428	A theoretical view on self-assembled monolayers in organic electronic devices. 2008,	6
1427	Diagnostic devices as biomaterials: a review of nucleic acid and protein microarray surface performance issues. 2008 , 19, 725-53	63
1426	Hydrophilic monolayer-protected gold nanoparticles and their functionalisation with fluorescent chromophores. 2008 , 5, 722	24
1425	"Rippled" Mixed Monolayer Protected Nanoparticles with Charged Ligands. 2008, 55-62	
1424	Electrically conductive adhesive with Etonjugated self-assembled molecular wire junctions for enhanced electrical and thermal properties. 2008 ,	1
1423	Thiol-capped gold: from planar to irregular surfaces. 2008 , 20, 184004	35
1422	Selective aluminum passivation for targeted immobilization of single DNA polymerase molecules in zero-mode waveguide nanostructures. 2008 , 105, 1176-81	170
1421	Self-Assembly and Scanning Tunneling Microscopy Tip-Induced Motion of Ferrocene Adamantane Trithiolate Adsorbed on Au(111). 2008 , 47, 6156-6159	22
1420	Hydrophobic surfaces for enhanced differentiation of embryonic stem cell-derived embryoid bodies. 2008 , 105, 14459-64	113
1419	Experimental and theoretical studies of the effect of mass on the dynamics of gas/organic-surface energy transfer. 2008 , 128, 014713	30
1418	A molecular simulation study of an organosilane self-assembled monolayer/SiO2 substrate interface. 2008 , 128, 164710	15
1417	Thermal conduction in molecular chains: non-Markovian effects. 2008 , 128, 224710	10
1416	Mechanical properties of alkanethiol monolayers studied by force spectroscopy. 2008 , 128, 044701	21
1415	New Thiophene Monolayer-Protected Copper Nanoparticles: Synthesis and Chemical-Physical Characterization. 2008 , 2008, 1-6	8
1414	Drug delivery from therapeutic self-assembled monolayers (T-SAMs) on 316L stainless steel. 2008 , 8, 281-9	18
1413	Molecular Electronics with Large-area Molecular Junctions. 2008, 1091, 1	1
1412	Recent developments in electrochemical immunoassays and immunosensors. 2008, 115-143	15

1411	Imparting chemical specificity to nanometer-spaced electrodes. 2008, 19, 355303	6
1410	Hybrid nanofabrication processes utilizing diblock copolymer nanotemplate prepared by self-assembled monolayer based surface neutralization. 2008 , 26, 189	17
1409	Reactive Polymer Coatings for Biological Applications. 2008 , 283-298	3
1408	Design and Characterization of Novel Systems for Molecular Nanoscale Self-Assembly. 2008 , 47, 1165-1172	6
1407	Monolayer self-assembly at liquidBolid interfaces: chirality and electronic properties of molecules at surfaces. 2008 , 20, 184003	13
1406	Inelastic electron tunnelling in saturated molecules with different functional groups: correlations and symmetry considerations from a computational study. 2008 , 20, 374111	5
1405	Attachment of magnetic molecules on a nanoSQUID. 2008, 19, 285303	30
1404	Subwavelength patterning of alkylsiloxane monolayers via nonlinear processing with single femtosecond laser pulses. 2008 , 92, 223111	23
1403	Electronic and vibronic interactions at weakly bound organic interfaces: The case of pentacene on graphite. 2008 , 78,	29
1402	Mechanochemistry and thermochemistry are different: stress-induced strengthening of chemical bonds. 2008 , 100, 115503	66
1401	Fabrication of surface plasmon waveguides and integrated components on ultrathin freestanding membranes. 2008 , 26, 1383-1391	12
1400	Electrochemical growth of ultraflat Au(111) epitaxial buffer layers on HBi(111). 2008, 93, 171901	35
1399	Self-assembled monolayer of alkanephosphoric acid on nanotextured Ti. 2008 , 128, 144705	25
1398	Polarization-dependent sensing of a self-assembled monolayer using biaxial nanohole arrays. 2008 , 92, 253103	31
1397	Preparation of Tethered Palladium Catalysis Supported on Gold(111) and Its Surface Characterization by X-ray Photoelectron Spectroscopy (XPS). 2008 , 81, 1012-1018	4
1396	Patterning Based on Edge Effects: Edge Lithography. 167-194	
1395	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. 2008 , 76, 42-45	1
1394	Development of Photosensitive Self-Assembled Monolayer Using Silane Coupling Agents Containing 2-Nitrobenzyl Esters Implied for Application to Cell Array. 2008 , 21, 519-524	6

1393	Preparation and Characterisation of Iodo-functionalised Azobenzene Derivatives of the Type IB-C6H4N=NB-C6H4M. 2008 , 63, 1395-1401	9
1392	Molecular Recognition and Specific Interactions for Biosensing Applications. 2008, 8, 6605-6641	60
1391	Electron Beam and Soft X-ray Lithography with a Monomolecular Resist. 2008, 21, 511-517	16
1390	Fabrication of an Amino-Terminated Organic Surface by Chemical Conversion of a Nitro-Terminated Self-Assembled Monolayer. 2008 , 222, 965-978	11
1389	Intracellular Fate of a Targeted Delivery System. 2008, 4, 508-514	39
1388	Preparation of Poly(acrylic acid) Nano-films by In-situ Polymerization of Acrylic Acid Macroclusters on Silicon Oxide Surfaces. 2008 , 270, 40-47	3
1387	Metallization of Organic Monolayers: Electroless Deposition of Cu onto Cross-Linked Aromatic Self-Assembled Monolayers. 2008 , 222, 917-926	13
1386	Behavior of Hydroxide Ions in Vicinity of Self-Assembled Monolayers of Alkanethiols on Metals. 2009 , 7, 601-605	10
1385	. 2009,	16
1384	Atomic Layer Deposition and Vapor Deposited SAMS in a CrossBeam FIB-SEM Platform: A Path To Advanced Materials Synthesis. 2009 , 17, 18-25	
1383	Optimization of Optical Properties of Polycarbonate Film with Thiol Gold-Nanoparticles. 2009 , 2, 1193-1204	12
1382	Synthesis and Characterization of Self-Assembling Some Thiol Surfactants on Gold Nanoparticles. 2009 , 30, 540-547	14
1381	Surface anchoring and dynamics of thiolated azobenzene molecules on Au(111). 2009, 131, 034707	10
1380	A molecular dynamics study on heat transfer characteristics at the interfaces of alkanethiolate self-assembled monolayer and organic solvent. 2009 , 130, 074706	42
1379	Potential and kinetic sputtering of alkanethiol self-assembled monolayers by impact of highly charged ions. 2009 , 79,	10
1378	Electrical properties of ACA joints assisted by conjugated molecular wires. 2009,	2
1377	Nanostructured materials based on the integration of ferrocenyl-tethered dendrimer and redox proteins on self-assembled monolayers: an efficient biosensor interface. 2009 , 20, 505501	14
1376	Interaction of nitric oxide with Ru(II) complexes of deuteroporphyrindimethylester derivatives. 2009 , 13, 35-40	3

1375	Tethered particle motion mediated by scattering from gold nanoparticles and darkfield microscopy. 2009 , 3, 031795	7
1374	New electrically conductive adhesives (ECAs) for flexible interconnect applications. 2009,	1
1373	Molecular recognition and self-assembly special feature: Assembly and organization processes in DNA-directed colloidal crystallization. 2009 , 106, 10493-8	122
1372	Copper Fill of Microvia Using a Thiol-Modified Cu Seed Layer and Various Levelers. 2009 , 156, D314	78
1371	Biosensing with plasmonic nanosensors. 2009 , 308-319	79
1370	Achieving low temperature Cu to Cu diffusion bonding with self assembly monolayer (SAM) passivation. 2009 ,	10
1369	Self-assembled monolayers of metal-assembling dendron thiolate formed from dendrimers with a disulfide core. 2009 , 11, 1729-32	10
1368	Patterning of alkanethiolate self-assembled monolayers by downstream microwave nitrogen plasma: Negative and positive resist behavior. 2009 , 27, 1949	3
1367	Alkanethiol induced changes in the magnetotransport properties of CoAu bilayers. 2009, 105, 07A903	1
1366	Digital magnetic tagging for multiplexed suspension-based biochemical assays. 2009 , 105, 07B301	1
1365	Cellular response to the surface chemistry of nanostructured biomaterials. 2009 , 85-113	1
1364	Conformal dip-coating of patterned surfaces for capillary die-to-substrate self-assembly. 2009 , 19, 045015	32
1363	Patterning of self-assembled monolayers based on differences in molecular conductance. 2009 , 20, 245306	8
1362	Silicon microcontact printing engines. 2009 , 19, 025027	6
1361	Tunable 3D and 2D polystyrene nanoparticle assemblies using surface wettability, low volume fraction and surfactant effects. 2009 , 20, 025604	12
1360	Surface functionalization for protein and cell patterning. 2010 , 117, 109-30	6
1359	Direct e-beam writing of 1nm thin carbon nanoribbons. 2009 , 27, 3059	19
1358	Electrochemical Investigation of Porous Silicon/Gold System in Biological Electrolyte. 2009 , 25, 59-68	

	neoglycoconjugates by AFM and SPR. 2009 , 19, 633-43	23
1356	Extreme ultraviolet interference lithography at the Paul Scherrer Institut. 2009 , 8, 021204	68
1355	Surface-enhanced Raman scattering: comparison of three different molecules on single-crystal nanocubes and nanospheres of silver. 2009 , 113, 3932-9	119
1354	Microvia Filling by Cu Electroplating Over a Au Seed Layer Modified by a Disulfide. 2009 , 156, D155	47
1353	Characterizing hydrophobicity of interfaces by using cavity formation, solute binding, and water correlations. 2009 , 106, 15119-24	268
1352	Electrochemical Differentiation and TOF-SIMS Characterization of Thiol-Coated Gold Features for (Bio)chemical Sensor Applications. 2009 , 156, J386	13
1351	Simple method to synthesis iron sulfide self-assembled microstructure and magnetic properties. 2009 , 114, 518-521	6
1350	Lectin and carbohydrate microarrays: New high-throughput methods for glycoprotein, carbohydrate-binding protein and carbohydrate-active enzyme analysis. 2009 , 50, 306-311	15
1349	Gold Nanoparticles: A Versatile Label for Affinity Electrochemical Biosensors. 177-197	7
0	Now Consider a SMulkiSus skind a November 1 and	
1348	New Generation of Multifunctional Nanoparticles for Cancer Imaging and Therapy. 2009 , 19, 1553-1566	375
1348	Doping of Conjugated Polythiophenes with Alkyl Silanes. 2009 , 19, 1906-1911	98
1347		
1347	Doping of Conjugated Polythiophenes with Alkyl Silanes. 2009 , 19, 1906-1911 Layer-By-Layer Dendritic Growth of Hyperbranched Thin Films for Surface Sol©iel Syntheses of Conformal, Functional, Nanocrystalline Oxide Coatings on Complex 3D (Bio)silica Templates. 2009 ,	98
1347 1346	Doping of Conjugated Polythiophenes with Alkyl Silanes. 2009 , 19, 1906-1911 Layer-By-Layer Dendritic Growth of Hyperbranched Thin Films for Surface SolCel Syntheses of Conformal, Functional, Nanocrystalline Oxide Coatings on Complex 3D (Bio)silica Templates. 2009 , 19, 2768-2776	98 53
1347 1346 1345	Doping of Conjugated Polythiophenes with Alkyl Silanes. 2009, 19, 1906-1911 Layer-By-Layer Dendritic Growth of Hyperbranched Thin Films for Surface Sollel Syntheses of Conformal, Functional, Nanocrystalline Oxide Coatings on Complex 3D (Bio)silica Templates. 2009, 19, 2768-2776 Microcontact Printing: Limitations and Achievements. 2009, 21, 2257-2268 Rapid Microfluidic Generation of Patterned Aldehydes from Hydroxy-Terminated Self-Assembled Monolayers for Ligand and Cell Immobilization on Optically Transparent Indium Tin Oxide Surfaces.	98 53 335
1347 1346 1345	Doping of Conjugated Polythiophenes with Alkyl Silanes. 2009, 19, 1906-1911 Layer-By-Layer Dendritic Growth of Hyperbranched Thin Films for Surface Solle Syntheses of Conformal, Functional, Nanocrystalline Oxide Coatings on Complex 3D (Bio)silica Templates. 2009, 19, 2768-2776 Microcontact Printing: Limitations and Achievements. 2009, 21, 2257-2268 Rapid Microfluidic Generation of Patterned Aldehydes from Hydroxy-Terminated Self-Assembled Monolayers for Ligand and Cell Immobilization on Optically Transparent Indium Tin Oxide Surfaces. 2009, 21, 3082-3086	98 53 335
1347 1346 1345 1344	Doping of Conjugated Polythiophenes with Alkyl Silanes. 2009, 19, 1906-1911 Layer-By-Layer Dendritic Growth of Hyperbranched Thin Films for Surface Solled Syntheses of Conformal, Functional, Nanocrystalline Oxide Coatings on Complex 3D (Bio)silica Templates. 2009, 19, 2768-2776 Microcontact Printing: Limitations and Achievements. 2009, 21, 2257-2268 Rapid Microfluidic Generation of Patterned Aldehydes from Hydroxy-Terminated Self-Assembled Monolayers for Ligand and Cell Immobilization on Optically Transparent Indium Tin Oxide Surfaces. 2009, 21, 3082-3086 Soft LangmuirBlodgett Technique for Hard Nanomaterials. 2009, 21, 2959-2981 Molecular Self-Assembled Monolayers and Multilayers for Organic and Unconventional Inorganic	98 53 335 13

1339	Selective Removal of DNA-Labeled Nanoparticles from Planar Substrates by DNA Displacement Reactions. 2009 , 121, 124-128	6
1338	Formation of Patches on 3D SAMs Driven by Thiols with Immiscible Chains Observed by ESR Spectroscopy. 2009 , 121, 3106-3110	10
1337	Raumtemperaturwachstum von Siliciumoxid-Nanofilmen: neue Chancen fil die Plastikelektronik. 2009 , 121, 2493-2496	1
1336	A Supramolecular Hydrogen-Bonded Network as a Diffusion Barrier for Metal Adatoms. 2009 , 121, 3399-3402	5
1335	Wachstumsmechanismen Metall-organischer Ger\(\text{B}\)tstrukturen: Einblicke in die Keimbildung anhand einer schrittweisen Methodik. 2009 , 121, 5138-5142	44
1334	Gold manno-glyconanoparticles: multivalent systems to block HIV-1 gp120 binding to the lectin DC-SIGN. 2009 , 15, 9874-88	153
1333	Self-assembled monolayers of mono-tetrathiafulvalene calix[4]pyrroles and their electrochemical sensing of chloride. 2009 , 15, 8128-33	20
1332	One solvent induces a series of structural transitions in monodendron molecular self-assembly from lamellar to quadrangular to hexagonal. 2009 , 15, 9669-73	48
1331	Layer-by-layer assembly of polyelectrolyte and nanoparticles, monitored by capillary electrophoresis. 2009 , 15, 12828-36	11
1330	Metallocyclo- and polyphosphazenes containing gold or silver: thermolytic transformation into nanostructured materials. 2009 , 15, 13509-20	20
1329	Synthesis, Structure and Growth Mechanism of Size and Shape Tunable Au/Ag Bimetallic Nanoparticles. 2009 , 27, 2137-2144	2
1328	Phospholipid bilayers supported on thiolate-covered nanostructured gold: in situ Raman spectroscopy and electrochemistry of redox species. 2009 , 10, 1927-33	9
1327	Use of gel-assembly to fabricate multi-component molecular gradient layers and the investigation of structure and electron transport therein. 2009 , 10, 2212-6	5
1326	Nitroxyl radical self-assembled monolayers on gold: versatile electroactive centers in aqueous and organic media. 2009 , 10, 2401-4	20
1325	New Electrocatalytic Reactions at a Mercury Electrode in the Presence of Homocysteine or Cysteine and Cobalt or Nickel Ions. 2009 , 21, 130-137	4
1324	Sensor Array: Impedimetric Label-Free Sensing of DNA Hybridization in Real Time for Rapid, PCR-Based Detection of Microorganisms. 2009 , 21, 1459-1468	24
1323	Chemoselective ligand patterning of electroactive surfaces using microfluidics. 2009, 30, 3381-5	5
1322	Comparison of PEI-PEG and PLL-PEG copolymer coatings on the prevention of protein fouling. 2009 , 88, 608-15	20

1321	Interaction of endothelial cells with self-assembled monolayers for potential use in drug-eluting coronary stents. 2009 , 90, 789-801	26
1320	Quartz crystal microbalance studies on conformational change of polymer chains at interface. 2009 , 30, 328-35	73
1319	SERS as a probe for adsorbate orientation on silver nanoclusters. 2009 , 40, 1572-1577	34
1318	Regulating Copper-Binding Affinity with Photoisomerizable Azobenzene Ligand by Construction of a Self-Assembled Monolayer. 2009 , 121, 6181-6184	
1317	Systemische Chemie an Grenzflähen: Fernsteuerung von Oberfläheneigenschaften. 2009 , 121, 8556-8558	2
1316	Molecular Monolayer Nonvolatile Memory with Tunable Molecules. 2009 , 121, 8653-8656	35
1315	Selective removal of DNA-labeled nanoparticles from planar substrates by DNA displacement reactions. 2009 , 48, 118-22	16
1314	Formation of patches on 3D SAMs driven by thiols with immiscible chains observed by ESR spectroscopy. 2009 , 48, 3060-4	58
1313	Room-temperature growth of silicon oxide nanofilms: new opportunities for plastic electronics. 2009 , 48, 2457-9	12
1312	A supramolecular hydrogen-bonded network as a diffusion barrier for metal adatoms. 2009 , 48, 3349-52	26
1311	Growth mechanism of metal-organic frameworks: insights into the nucleation by employing a step-by-step route. 2009 , 48, 5038-41	318
1310	Regulating copper-binding affinity with photoisomerizable azobenzene ligand by construction of a self-assembled monolayer. 2009 , 48, 6065-8	14
1309	Interfacial systems chemistry: towards the remote control of surface properties. 2009, 48, 8406-8	12
1308	Molecular monolayer nonvolatile memory with tunable molecules. 2009 , 48, 8501-4	59
1307	Design of microfluidic channels separated by an ultra-thin free-standing dielectric membrane. 2009 , 6, 17-26	7
1306	Surface molecular property modifications for poly(dimethylsiloxane) (PDMS) based microfluidic devices. 2009 , 7, 291-306	367
1305	Surface-bound proteins with preserved functionality. 2009 , 37, 1190-205	27
1304	Photocurrent generation in peptide-based self-assembled monolayers on gold electrodes. 2009 , 46, 34-39	13

1303	Modeling thiols on Au(111): Structural, thermodynamic and magnetic properties of simple thiols and thiol-radicals. 2009 , 46, 4-9	17
1302	Molecular orientation of thiol-derivatized tetraphenylporphyrin on gold studied by XPS and NEXAFS. 2009 , 603, 1026-1033	21
1301	An effective Hamiltonian for sulfur adsorption at Au(100) surface. 2009 , 603, 1150-1155	6
1300	Adsorption and thermal reaction of short-chain alkanethiols on GaAs(100). 2009 , 603, 1244-1252	18
1299	Conformational order of n-dodecanethiol and n-dodecaneselenol monolayers on polycrystalline copper investigated by PM-IRRAS and SFG spectroscopy. 2009 , 603, 2276-2282	24
1298	XPS and NEXAFS studies of aliphatic and aromatic amine species on functionalized surfaces. 2009 , 603, 2849-2860	280
1297	Influence of an external magnetic field on the formation of self-assembled monolayers of dodecanethiol on polycrystalline gold electrode. 2009 , 517, 3661-3666	5
1296	Formation of large ordered domains in benzenethiol self-assembled monolayers on Au(111) observed by scanning tunneling microscopy. 2009 , 109, 1011-4	35
1295	Evaluation of performance and stability of biocatalytic redox films constructed with different copper oxygenases and osmium-based redox polymers. 2009 , 76, 162-8	42
1294	Gold nanoparticle-based near-infrared fluorescent detection of biological thiols in human plasma. 2009 , 25, 269-74	88
1293	Electrochemical and spectroscopic characterization of screen-printed gold-based electrodes modified with self-assembled monolayers and Tc85 protein. 2009 , 634, 111-122	25
1292	First example of the ring-opening transformation of thiazolidines to iminothiols on gold surface. 2009 , 19, 92-93	O
1291	Synthesis of functional heterometallic complexes and clusters containing molybdenum and palladium or platinum, their self-assembly on gold surfaces and X-ray photoelectron spectroscopic studies. 2009 , 12, 1228-1247	6
1290	Electrochemical studies of self-assembled monolayers using impedance spectroscopy. 2009 , 54, 6063-6069	30
1289	Single molecular switch based on thiol tethered iron(II)clathrochelate on gold. 2009, 54, 5431-5438	23
1288	Electrochemical study of self-assembled cysteine monolayers on polycrystalline gold electrodes and functionalization with microperoxidase MP-11. 2009 , 39, 2275-2284	9
1287	Surface modifications based on the cyanobacterial siderophore anachelin: from structure to functional biomaterials design. 2009 , 22, 595-604	20
1286	Interfacial properties and in vitro cytotoxic effects of surface-modified near infrared absorbing Au-Au(2)S nanoparticles. 2009 , 20, 2091-103	7

1285	Organometallic Derivatives of Cyclotriphosphazene as Precursors of Nanostructured Metallic Materials: A New Solid State Method. 2009 , 19, 507-520	18
1284	Wetting, Capillary Condensation and More. 2009 , 157, 77-100	53
1283	Advances in surface plasmon resonance-based high throughput biochips. 2009 , 4, 469-480	4
1282	Preparation and Characterization of Covalently Binding of Rat Anti-human IgG Monolayer on Thiol-Modified Gold Surface. 2009 , 4, 1403-8	15
1281	Thin films of ruthenium phthalocyanine complexes. 2009 , 2, 678-687	7
1280	Size selective sampling using mobile, 3D nanoporous membranes. 2009 , 393, 1217-24	14
1279	Surface plasmon resonance immunosensor for cortisol and cortisone determination. 2009 , 394, 2151-9	50
1278	Gold nanoparticle growth on self-assembled monolayers of ferrocenyl-substituted terpyridine on graphite. 2009 , 94, 11-17	9
1277	Nanofabrication by self-assembly. 2009 , 12, 12-23	239
1276	Modification of biphenylselenolate monolayers by low-energy electrons. 2009 , 246, 1519-1528	16
1275	High sensitive detection of sulfuric compounds using electrochemical impedance. 2009, 4, 372-377	2
1274	Method development for direct detection of glycoproteins on aminophenylboronic acid functionalized self-assembled monolayers by matrix-assisted laser desorption/ionization mass spectrometry. 2009 , 23, 3599-602	5
1273	Pinhole-free large-grained atomically smooth Au(111) substrates prepared by flame-annealed template stripping. 2009 , 41, 49-55	23
1272	Colloidal gold and silver triangular nanoprisms. 2009 , 5, 646-64	712
1271	Two-dimensional self-organization of an ordered Au silicide nanowire network on a Si(110)-16 \times 2 surface. 2009 , 5, 1855-61	14
1270	Controlled delivery of DNA origami on patterned surfaces. 2009 , 5, 1942-6	76
1270 1269		76 22

1267	The role of gold adatoms in self-assembled monolayers of thiol on Au(111). 2009, 109, 3466-3472	16
1266	Photoconductance and inverse photoconductance in films of functionalized metal nanoparticles. 2009 , 460, 371-5	209
1265	Hierarchical functional gradients of pH-responsive self-assembled monolayers using dynamic covalent chemistry on surfaces. 2009 , 1, 649-56	152
1264	The effect of nanometre-scale structure on interfacial energy. 2009 , 8, 837-42	196
1263	Gold nanocages covered by smart polymers for controlled release with near-infrared light. 2009 , 8, 935-9	1232
1262	Spectroelectrochemical studies of self assembled monolayers of biphenyl ethynyl thiols on gold electrodes. 2009 , 49, 162-173	4
1261	Layer-by-layer assemblies of chitosan/multi-wall carbon nanotubes and glucose oxidase for amperometric glucose biosensor applications. 2009 , 29, 346-349	45
1260	Applications of nanomaterials inside cells. 2009 , 4, 37-51	200
1259	Square wave voltammetric detection of Anthrax utilizing a peptide for selective recognition of a protein biomarker. 2009 , 25, 469-74	23
1258	Nitroxyl radical self-assembled monolayers on gold: Experimental data vs. Laviron interaction model. 2009 , 11, 1776-1780	25
1257	Electrochemically induced self-assembly of alkanethiolate adlayers on carbon steel in aqueous solutions. 2009 , 54, 4817-4821	6
1256	Characterization of benzenethiolate self-assembled monolayer on Cu(1 0 0) by XPS and NEXAFS. 2009 , 172, 64-68	23
1255	Dithioesters and trithiocarbonates monolayers on gold. 2009 , 172, 104-106	25
1254	Determining orientational structure of diamondoid thiols attached to silver using near-edge X-ray absorption fine structure spectroscopy. 2009 , 172, 69-77	16
1253	On the quality and structural characteristics of oligo(ethylene glycol) assemblies on gold: An experimental and theoretical study. 2009 , 172, 9-20	26
1252	First syntheses of model long-chain trichloro[II(trimethylsilyl)alkynyl]silanes suitable for self-assembled monolayers on silicon surfaces. 2009 , 65, 3961-3966	8
1251	An acyclic phane receptor with a pair of disulfonaphthalene arms recognizing 2,3-trans-gallate-type catechins in water. 2009 , 65, 8209-8215	3
1250	Trace detection of peroxides using a microcantilever detector. 2009 , 517, 3584-3587	15

1249	Self-assembly of para-substituted benzenethiols on copper: An XPS study. 2009 , 46, 25-29	6
1248	Highly dispersible polymer-coated silver Nanoparticles. 2009 , 203, 2841-2844	30
1247	Surface modification in microsystems and nanosystems. 2009 , 64, 233-254	93
1246	Surface functionalization by low-energy electron processing of molecular ices. 2009 , 603, 1873-1877	3
1245	Reversible molecular switching at a metal surface: A case study of tetra-tert-butyl-azobenzene on Au(111). 2009 , 603, 1506-1517	84
1244	Surface enhanced Raman spectroscopy of aromatic compounds on silver nanoclusters. 2009 , 603, 788-793	37
1243	Fabrication of self-assembled oligophenylethynylenethiol monolayer for electrochemical glucose biosensor. 2009 , 109, 911-5	4
1242	Adsorption change of cyclohexyl acetylene on gold nanoparticle surfaces. 2009 , 51, 193-198	8
1241	Microstructured electroactive surface based on binary self-assembled monolayer. 2009, 632, 1-7	7
1240	Biocatalytic fuel cells: A comparison of surface pre-treatments for anchoring biocatalytic redox films on electrode surfaces. 2009 , 626, 111-115	24
1239	Chemisorption of aromatic thiols onto a glassy carbon surface. 2009 , 632, 120-126	23
1238	Square Wave Voltammetry and Voltcoulometry applied to electrocatalytic reactions. Oxidation of ferrocyanide at a ferrocene modified gold electrode. 2009 , 634, 90-97	21
1237	Selective adsorption of biladien-ab-one and zinc biladien-ab-one to mesoporous silica. 2009 , 120, 331-338	7
1236	Selective blocking of active sites on supported gold catalysts by adsorbed thiols and its effect on the catalytic behavior: A combined experimental and theoretical study. 2009 , 305, 161-169	42
1235	Surface-enhanced Raman spectroscopy as a probe for orientation of pyridine compounds on colloidal surfaces. 2009 , 935, 92-96	25
1234	In situ SIMS analysis and reactions of surfaces prepared by soft landing of mass-selected cations and anions using an ion trap mass spectrometer. 2009 , 20, 949-56	22
1233	Functionalized gold nanoparticles: synthesis, structure and colloid stability. 2009 , 331, 251-62	317
1232	Spectroscopic evaluation of surface functionalization efficiency in the preparation of mercaptopropyltrimethoxysilane self-assembled monolayers on glass. 2009 , 332, 432-8	48

1231	The simple and facile methods to improve dispersion stability of nanoparticles: different chain length alkylcarboxylate mixtures. 2009 , 334, 208-11	32
1230	Selective immobilization of proteins on gold dot arrays and characterization using chemical force microscopy. 2009 , 334, 161-6	15
1229	Impedance differences found with n-alkanethiol monolayers prepared by contact printing and solution adsorption. 2009 , 336, 761-5	3
1228	Multifunctional nanoparticles/silica microsphere assemblies using polyglycidyl methacrylate shells as supports. 2009 , 339, 83-90	10
1227	Digital biomagnetism: Electrodeposited multilayer magnetic barcodes. 2009 , 321, 1662-1666	6
1226	Evaluation of heterocumulenic ferrocene derivatives for ElickEhemistry type reactions. 2009 , 694, 1055-1058	19
1225	The coordination chemistry of gold surfaces: Formation and far-infrared spectra of alkanethiolate-capped gold nanoparticles. 2009 , 694, 1138-1143	48
1224	Electrochemical DNA nano-biosensor for the study of spermidine-DNA interaction. 2009 , 49, 587-93	35
1223	Switching behavior and optical absorbance of azobenzene-functionalized alkanethiols in different environments. 2009 , 204, 102-109	30
1222	Strategies exploiting functions and self-assembly properties of bioconjugates for polymer and materials sciences. 2009 , 34, 811-851	180
1221	Organic surfaces exposed by self-assembled organothiol monolayers: Preparation, characterization, and application. 2009 , 84, 230-278	226
1220	Probing the microenvironment of surface-attached pyrene formed by a thermo-responsive oligomer. 2009 , 74, 991-9	12
1219	Coordination compounds built on metal surfaces. 2009 , 253, 1262-1275	33
1218	Self-assembly characteristics of gold nanoparticles in the presence of cysteine. 2009 , 338, 93-101	141
1217	The Effects of Strain on STM Lithography on HS-ssDNA/Au (111) Surface. 2009 , 255, 6832-6839	5
1216	Surface modification of copper with 2-dodecylpropane-1,3-dithiol: The key effect of the solvent. 2009 , 256, 1426-1430	10
1215	Membrane-bound dehydrogenases from Gluconobacter sp.: interfacial electrochemistry and direct bioelectrocatalysis. 2009 , 76, 53-62	73
1214	The correlation between the adsorption of adhesive proteins and cell behaviour on hydroxyl-methyl mixed self-assembled monolayers. 2009 , 30, 307-16	132

1213	Induction of notch signaling by immobilization of jagged-1 on self-assembled monolayers. 2009 , 30, 6879-87	27
1212	Fabrication and characterization of oriented carbon atom wires assembled on gold. 2009 , 469, 284-288	2
1211	Is the LEPS potential accurate enough to investigate the dissociation of diatomic molecules on surfaces?. 2009 , 471, 136-142	30
1210	MetalEdsorbate hybridized electronic states and their impact on surface enhanced Raman scattering. 2009 , 477, 144-149	21
1209	Au adatom-linked CH3SAuBCH3 complexes on Au(1 1 1). 2009 , 477, 90-94	10
1208	Contact-active microbicidal gold surfaces using immobilization of quaternary ammonium thiol derivatives. 2009 , 44, 4227-34	11
1207	High performance bioanode based on direct electron transfer of fructose dehydrogenase at gold nanoparticle-modified electrodes. 2009 , 11, 668-671	60
1206	A stability comparison of redox-active layers produced by chemical coupling of an osmium redox complex to pre-functionalized gold and carbon electrodes. 2009 , 54, 1986-1991	25
1205	Oriented self-assembled monolayers of bifunctional molecules on InAs. 2009 , 172, 42-46	30
1204	Optimizing the PMIRRAS signal from a multilayer system and application to self-assembled monolayers in contact with liquids. 2009 , 172, 21-26	9
1203	IR spectroscopic characterization of SAMs made from a homologous series of pyridine disulfides. 2009 , 172, 120-127	19
1202	Synchrotron PES and NEXAFS studies of self-assembled aromatic thiol monolayers on Au(1 1 1). 2009 , 172, 54-63	12
1201	Electronic structure of self-assembled (fluoro)methylthiol monolayers on the Au(111) surface: Impact of fluorination and coverage density. 2009 , 174, 70-77	12
1200	Some thoughts on the existence of ion and water channels in highly dense and well-ordered CH3-terminated alkanethiol self-assembled monolayers on gold. 2009 , 24, 1074-82	18
1199	Biological functionality of active enzyme structures immobilized on various solid surfaces. 2009 , 9, 1454-1458	7
1198	Combining nanosurface chemistry and microfluidics for molecular analysis and cell biology. 2009 , 650, 98-105	40
1197	Using self-assembled monolayers to model the extracellular matrix. 2009 , 5, 832-41	123
1196	Supported silver catalysts prepared by deposition in aqueous solution of Ag nanoparticles obtained through a photochemical approach. 2009 , 367, 138-145	26

1195	Multifunctional magnetic nanoparticles: design, synthesis, and biomedical applications. 2009 , 42, 1097-107	1505
1194	Self-assembly and ripening of polymeric silver-alkanethiolate crystals on inert surfaces. 2009 , 25, 9585-95	23
1193	An atomic force microscope study of vanadium-benzene sandwich clusters soft-landed on self-assembled monolayers. 2009 , 52, 103-106	5
1192	An intramolecular O-N migration reaction on gold surfaces: toward the preparation of well-defined amyloid surfaces. 2009 , 3, 3091-7	11
1191	pH-controllable supramolecular systems. 2009 , 4, 364-81	109
1190	Asymmetrically functionalized, four-armed, poly(ethylene glycol) compounds for construction of chemically functionalizable non-biofouling surfaces. 2009 , 4, 135-42	6
1189	Fullerene/thiol-terminated molecules. 2009 , 74, 7885-97	32
1188	The chemical patterning of Langmuir-Blodgett films by soft gel lithography. 2009 , 4, 275-280	3
1187	A first-principles study of Etonjugated thiol phenothiazine derivatives adsorbed on Au(111) surface. 2009 , 7,	
1186	Scanning Tunneling Microscopic Observation of Adatom-Mediated Motifs on GoldII hiol Self-Assembled Monolayers at High Coverage. 2009 , 113, 19601-19608	26
1185	Self-Assembly of a Functionalized Alkylated Isophthalic Acid at the Au(111)/Electrolyte Interface: Structure and Dynamics. 2009 , 113, 11567-11574	12
1184	Spatial Tuning of the Metal Work Function by Means of Alkanethiol and Fluorinated Alkanethiol Gradients. 2009 , 113, 5620-5628	47
1183	Probing Structure and Molecular Conductance in Highly Ordered Benzyl Mercaptan Monolayers. 2009 , 113, 12395-12401	13
1182	Quantification of ink diffusion in microcontact printing with self-assembled monolayers. 2009 , 25, 242-7	22
1181	Selective electroless copper deposition on self-assembled dithiol monolayers. 2009 , 1, 584-9	46
1180	Molecular rectification in metal-SAM-metal oxide-metal junctions. 2009 , 131, 17814-27	227
1179	Monolayer-protected gold nanoparticles prepared using long-chain alkanethioacetates. 2009 , 25, 13855-60	41
1178	Polyester nanoparticles presenting mannose residues: toward the development of new vaccine delivery systems combining biodegradability and targeting properties. 2009 , 10, 651-7	73

1177	Surface-segregated monolayers: a new type of ordered monolayer for surface modification of organic semiconductors. 2009 , 131, 17597-604	75
1176	Mechanochemical delivery and dynamic tracking of fluorescent quantum dots in the cytoplasm and nucleus of living cells. 2009 , 9, 2193-8	111
1175	Molecular dynamics simulation of oxygen transport through n-alkanethiolate self-assembled monolayers on gold and copper. 2009 , 113, 456-64	15
1174	Formation of Confined C60 Islands within Octanethiol Self-Assembled Monolayers on Au(111). 2009 , 113, 17899-17903	13
1173	Temperature-dependent vesicle response to surface topography. 2009 , 113, 11490-5	
1172	Alkanethiolate Self-Assembled Monolayers As a Negative or Positive Resist for Electron Lithography. 2009 , 113, 4543-4548	5
1171	Supramolecular ion-pair interactions to control monolayer assembly. 2009 , 25, 2159-65	22
1170	Surface manipulation of microtubules using self-assembled monolayers and electrophoresis. 2009 , 3, 1938-46	10
1169	Improved United-Atom Models for Perfluorinated Self-Assembled Monolayers. 2009, 113, 3300-3312	5
1168	Growth of long, highly stable, and densely packed worm-like nanocolumns of hexa-peri-hexabenzocoronenes via chemisorption on Au(111). 2009 , 131, 1378-9	20
1167	Transition of Molecule Orientation during Adsorption of Terephthalic Acid on Rutile TiO2(110). 2009 , 113, 17471-17478	51
1166	Chemical Microscopy of Surfaces by Sum Frequency Generation Imaging. 2009 , 113, 16575-16588	47
1165	Crystallization of malonic and succinic acids on SAMs: toward the general mechanism of oriented nucleation on organic monolayers. 2009 , 25, 14002-6	14
1164	Atomic force microscope nanolithography: dip-pen, nanoshaving, nanografting, tapping mode, electrochemical and thermal nanolithography. 2009 , 21, 483001	62
1163	Electronic Properties of a Monolayer E lectrolyte Interface Obtained from Mechanistic Impedance Analysis. 2009 , 113, 9375-9391	11
1162	Self-assembled monolayers of alkanethiols on InAs. 2009 , 25, 12185-94	31
1161	X-ray Absorption Spectroscopy Characterization of Cu Underpotential Deposition on Au(111) and Organothiol-Self-Assembled-Monolayer-Modified Au(111) Electrodes from Sulfate Supporting Electrolyte. 2009 , 113, 12260-12271	11
1160	Single-cell patterning and adhesion on chemically engineered poly(dimethylsiloxane) surface. 2009 , 25, 4615-20	25

1159	Separation of peptides with polyionic nanosponges for MALDI-MS analysis. 2009, 25, 1459-65	33
1158	Chemically specific laser-induced patterning of alkanethiol SAMs: characterization by SEM and AFM. 2009 , 25, 12819-24	17
1157	Identification and passivation of defects in self-assembled monolayers. 2009, 25, 2585-7	22
1156	Electrochemical and chemical microfluidic gold etching to generate patterned and gradient substrates for cell adhesion and cell migration. 2009 , 81, 3297-303	17
1155	Electrochemical Response of Cytochrome c Immobilized on Smooth and Roughened Silver and Gold Surfaces Chemically Modified with 11-Mercaptounodecanoic Acid. 2009 , 113, 2861-2866	26
1154	Monolayer Packing, Dehydration, and Ink-Binding Dynamics at the Molecular Printboard. 2009 , 113, 7298-730	145
1153	Preparation and characterization of 4'-donor substituted stilbene-4-thiolate monolayers and their influence on the work function of gold. 2009 , 25, 7967-75	24
1152	Entrapment of decanethiol in a hydrogen-bonded bimolecular template. 2009 , 25, 2278-81	15
1151	Monitoring and mapping imperfections in silane-based self-assembled monolayers by chemical amplification. 2009 , 25, 9078-84	16
1150	Long-chain alkylthiol assemblies containing buried in-plane stabilizing architectures. 2009 , 25, 13959-71	15
1149	EC-STM study of potential-controlled adsorption of substituted pyrimidinethiol on Au(111). 2009 , 25, 13488-92	9
1148	Nanostructures of octadecyltrisiloxane self-assembled monolayers produced on Au111 using particle lithography. 2009 , 1, 969-76	18
1147	Energy transfer, unfolding, and fragmentation dynamics in collisions of N-protonated octaglycine with an H-SAM surface. 2009 , 131, 17185-93	45
1146	Physicochemical properties of (ethylene glycol)-containing self-assembled monolayers relevant for protein and algal cell resistance. 2009 , 25, 10077-82	119
1145	Direct Observation of Nanoparticle Self-Assembly Dynamics at the WaterAir Interface Using Differential Interference Contrast Microscopy. 2009 , 113, 1209-1216	12
1144	Making nanoflowerbeds: reaction pathways involved in the selective chemical bath deposition of ZnS on functionalized alkanethiolate self-assembled monolayers. 2009 , 3, 370-8	30
1143	Additivity of the excess energy dissipation rate in a dynamically self-assembled system. 2009, 113, 7574-8	11
1142	Preparation and Characterization of Octadecanethiol Self-Assembled Monolayers on Indium Arsenide (100). 2009 , 113, 18331-18340	21

1141	Adsorption and Thermal Reaction of Short-Chain Iodoalkanes on Ge(100). 2009 , 113, 17447-17454	7
1140	Adsorption kinetics and mechanical properties of ultrathin polyelectrolyte multilayers: liquid-supported versus solid-supported films. 2009 , 113, 7128-37	66
1139	Growth and stability of a self-assembled monolayer on plasma-treated mica. 2009, 25, 5631-6	7
1138	Slow Charge Relaxation in Ionizable Alkanethiols and Its Role in Modulating Electric Characteristics of Molecules and Passivated Gold Nanoparticles. 2009 , 113, 3683-3690	1
1137	Tripodal Binding Units for Self-Assembled Monolayers on Gold: A Comparison of Thiol and Thioether Headgroups. 2009 , 113, 19609-19617	46
1136	A simple model to describe the effect of electrostatic interactions on the composition of mixed self-assembled monolayers. 2009 , 25, 2199-203	7
1135	Ferrocenyl alkanethiols-thio beta-cyclodextrin mixed self-assembled monolayers: evidence of ferrocene electron shuttling through the beta-cyclodextrin cavity. 2009 , 25, 12937-44	19
1134	Controlled Etching as a Route to High Quality Silver Nanospheres for Optical Studies. 2009 , 113, 16975-16982	84
1133	Mixing of Nonsubstituted and Partly Fluorinated Alkanethiols in a Binary Self-Assembled Monolayer. 2009 , 113, 3697-3706	40
1132	Fabrication of mixed self-assembled monolayers designed for avidin immobilization by irradiation promoted exchange reaction. 2009 , 25, 9189-96	39
1131	Exploiting substrate stress to modify nanoscale SAM patterns. 2009 , 131, 16377-9	25
1130	Molecular dynamics simulation of oxygen transport through omega-alkoxy-n-alkanethiolate self-assembled monolayers on gold and copper. 2009 , 25, 2689-95	12
1129	Submolecular electronic mapping of single cysteine molecules by in situ scanning tunneling imaging. 2009 , 25, 2232-40	25
1128	How surface wettability affects the binding, folding, and dynamics of hydrophobic polymers at interfaces. 2009 , 25, 13092-9	65
1127	Route to smooth silica-based surfaces decorated with novel self-assembled monolayers (SAMs) containing glycidyl-terminated very long hydrocarbon chains. 2009 , 25, 5526-35	22
1126	Engineering the spatial selectivity of surfaces at the nanoscale using particle lithography combined with vapor deposition of organosilanes. 2009 , 3, 2023-35	60
1125	Highly sensitive glucose biosensor based on one-pot biochemical preoxidation and electropolymerization of 2,5-dimercapto-1,3,4-thiadiazole in glucose oxidase-containing aqueous suspension. 2009 , 113, 1332-40	28
1124	SERS study of the controllable release of nitric oxide from aromatic nitrosothiols on bimetallic, bifunctional nanoparticles supported on carbon nanotubes. 2009 , 1, 56-9	22

1123	Soft-Landing Experiments of Cr(benzene)2 Sandwich Complexes onto a Carboxyl-Terminated Self-Assembled Monolayer Matrix. 2009 , 113, 4476-4482	14
1122	Creating Well-Defined Hot Spots for Surface-Enhanced Raman Scattering by Single-Crystalline Noble Metal Nanowire Pairs. 2009 , 113, 7492-7496	53
1121	Electric bistability in pentacene film-based transistor embedding gold nanoparticles. 2009 , 131, 12441-50	72
1120	A highly selective, biofunctional surface for molecule/cell sorting. 2009 , 1, 514-8	6
1119	Tribology of monolayer films: comparison between n-alkanethiols on gold and n-alkyl trichlorosilanes on silicon. 2009 , 25, 9995-10001	34
1118	Selective anodic desorption for assembly of different thiol monolayers on the individual electrodes of an array. 2009 , 25, 6517-21	25
1117	Influence of solvation and the structure of adsorbates on the kinetics and mechanism of dimerization-induced compositional changes of mixed monolayers on TiO(2). 2009 , 25, 12217-28	19
1116	Nanoimprinted thin films of reactive, azlactone-containing polymers: combining methods for the topographic patterning of cell substrates with opportunities for facile post-fabrication chemical functionalization. 2009 , 10, 994-1003	21
1115	STM imaging ortho- and para-fluorothiophenol self-assembled monolayers on Au(111). 2009 , 25, 5012-7	31
1114	Hollow metal nanorods with tunable dimensions, porosity, and photonic properties. 2009 , 3, 1365-72	64
1113	Formation of alkanethiolate self-assembled monolayers at halide-terminated Ge surfaces. 2009 , 25, 2013-25	36
1112	Orientation and Ordering in Monomolecular Films of Sulfur-Modified Homo-oligonucleotides on Gold. 2009 , 113, 18312-18320	20
1111	Multispectral thin film biosensing and quantitative imaging using 3D plasmonic crystals. 2009 , 81, 5980-9	35
1110	Flexible strategy for immobilizing redox-active compounds using in situ generation of diazonium salts. Investigations of the blocking and catalytic properties of the layers. 2009 , 25, 12742-9	38
1109	Molecular dynamics on interface and nanoscratch mechanisms of alkanethiol self-assembled monolayers. 2009 , 113, 14994-5001	9
1108	Energy Level Pinning in Self-Assembled Alkanethiol Monolayers. 2009 , 113, 4575-4583	34
1107	c(4x2) structures of alkanethiol monolayers on Au (111) compatible with the constraint of dense packing. 2009 , 25, 7353-8	34
1106	Diffusion of the Linear CH3SAuBCH3 Complex on Au(111) from First Principles. 2009 , 113, 3763-3766	22

1105	Determination of interaction strength between corrole and phenol derivatives in aqueous media using atomic force microscopy. 2009 , 21, 555-563	3
1104	Load-Free Determination of Film Structure Dependent Tunneling Decay Factors in Molecular Junctions. 2009 , 113, 21903-21910	3
1103	Cu-adatom-mediated bonding in close-packed benzoate/Cu(110)-systems. 2009, 25, 856-64	26
1102	Investigation of the MALDI process used to characterize self-assembled monolayers of alkanethiolates on gold. 2009 , 25, 3692-7	6
1101	Scaling of anisotropic droplet shapes on chemically stripe-patterned surfaces. 2009 , 79, 041601	67
1100	Effect of Steric Hindrance on Desorption Processes of Alkanethiols on Au(111). 2009 , 113, 18795-18799	34
1099	Stability of binary SAMs formed by omega-acid and alcohol functionalized thiol mixtures. 2009 , 25, 9980-5	30
1098	Supramolecular aggregation of inorganic molecules at Au(111) electrodes under a strong ionic atmosphere. 2009 , 131, 14728-37	20
1097	Photopatterning, etching, and derivatization of self-assembled monolayers of phosphonic acids on the native oxide of titanium. 2009 , 25, 10746-53	37
1096	Patterned hybrid nanohole array surfaces for cell adhesion and migration. 2009 , 25, 11236-8	5
1095	Constructing GoldII hiolate Oligomers and Polymers on Au(111) Based on the Linear SAuB Geometry. 2009 , 113, 7838-7842	18
1094	Probing the relative stability of thiolate- and dithiolate-protected Au monolayer-protected clusters. 2009 , 25, 12954-61	48
1093	Laterally mobile, functionalized self-assembled monolayers at the fluorous-aqueous interface in a plug-based microfluidic system: characterization and testing with membrane protein crystallization. 2009 , 131, 6042-3	46
1092	Stepwise functionalization of ZnO nanotips with DNA. 2009 , 25, 2107-13	48
1091	Mechanisms of Charge Transport through Monolayer-Modified Polycrystalline Gold Electrodes in the Absence of Redox-Active Moieties. 2009 , 113, 4687-4705	8
1090	Self-Assembled Film Organization in Fast Microcontact Printing Investigated by Sum Frequency Generation Spectroscopy. 2009 , 113, 9857-9864	13
1089	Oligo(ethylene oxide) self-assembled monolayers with self-limiting packing densities for the inhibition of nonspecific protein adsorption. 2009 , 25, 5026-30	17
1088	Self-assembled monolayers based on Pd-containing organometallic thiols: preparation and structural characterization. 2009 , 113, 14730-40	32

1087	Photoinduced Recovery of Gold Using an Inorganic/Organic Hybrid Photocatalyst. 2009 , 113, 19986-19993	13
1086	Structural Analysis of Nanofilms Using FTIR Spectroscopy. An Introduction to the Spectroscopic Analysis of Nanostructures for Undergraduate Students. 2009 , 86, 719	5
1085	Metal Nanoparticle/Block Copolymer Composite Assembly and Disassembly. 2009 , 21, 5578-5584	46
1084	XPS and SPR analysis of glycoarray surface density. 2009 , 25, 2181-7	96
1083	A study of the inhibition of iron corrosion by imidazole and its derivatives self-assembled films. 2009 , 51, 291-300	133
1082	Characterization of PDMS-modified glass from cast-and-peel fabrication. 2009 , 79, 333-8	7
1081	Nanostructured transducer surfaces for electrochemical biosensor constructioninterfacing the sensing component with the electrode. 2009 , 20, 34-40	14
1080	[Inhibition of bacterial adhesion and prevention of biofilm formation: Use of organic self-assembled monolayers on inorganic surfaces]. 2009 , 57, 36-43	13
1079	Nanotechnology, nanotoxicology, and neuroscience. 2009 , 87, 133-70	313
1078	Salt-induced changes in the growth of polyelectrolyte layers of poly(diallyl-dimethylammonium chloride) and poly(4-styrene sulfonate of sodium). 2009 , 5, 2130	149
1077	Nanoscale optoelectronic switches and logic devices. 2009 , 1, 299-316	61
1076	Engineering SERS via absorption control in novel hybrid Ni/Au nanovoids. 2009 , 17, 13298-308	25
1075	Blue-shift of surface plasmon resonance in a metal nanoslit array structure. 2009 , 17, 16081-91	36
1074	Thiolated gold nanowires: metallic versus semiconducting. 2009 , 3, 2351-7	52
1073	Long-range surface plasmon polaritons. 2009 , 1, 484	664
1072	The role radius of curvature plays in thiolated oligonucleotide loading on gold nanoparticles. 2009 , 3, 418-24	380
1071	Synthesis and characterization of glycerol dendrons, self-assembled monolayers on gold: a detailed study of their protein resistance. 2009 , 10, 1043-54	118
1070	An electrochemical study of 4-aminothiophenol/pt nanoparticle multilayers on gold electrodes. 2009 , 25, 534-41	19

1069	The role of gold adatoms and stereochemistry in self-assembly of methylthiolate on Au(111). 2009 , 131, 12989-93	147
1068	Self-assembly from milli- to nanoscales: methods and applications. 2009 , 19, 83001	162
1067	Catechol boronate formation and its electrochemical oxidation. 2009 , 2151-3	27
1066	Polymorph-Directing Seeding of Entacapone Crystallization in Aqueous/Acetone Solution Using a Self-Assembled Molecular Layer on Au (100). 2009 , 9, 4324-4334	15
1065	Chemical modification of reactive multilayered films fabricated from poly(2-alkenyl azlactone)s: design of surfaces that prevent or promote mammalian cell adhesion and bacterial biofilm growth. 2009 , 10, 1564-74	73
1064	Sensitive turn-on fluorescent detection of cyanide based on the dissolution of fluorophore functionalized gold nanoparticles. 2009 , 3077-9	98
1063	Controlled polyelectrolyte coating of glass-supported metal nanostructures. 2009 , 25, 1097-102	3
1062	Electrochemical and surface plasmon resonance characterization of beta-cyclodextrin-based self-assembled monolayers and evaluation of their inclusion complexes with glucocorticoids. 2009 , 20, 285502	6
1061	Molecular Beam Deposition and Characterisation of Thin Organic Films on Metals for Applications in Organic Electronics. 207-233	
1060	Thin films of metal-organic frameworks. 2009 , 38, 1418-29	756
1060	Thin films of metal-organic frameworks. 2009 , 38, 1418-29 Postformation Modification of SAMs: using click chemistry to functionalize organic surfaces. 2009 , 25, 11480-5	75 ⁶ 40
	Postformation Modification of SAMs: using click chemistry to functionalize organic surfaces. 2009 ,	
1059	Postformation Modification of SAMs: using click chemistry to functionalize organic surfaces. 2009 , 25, 11480-5 Micropatterned surfaces with covalently grafted unsymmetrical polyoxometalate-hybrid clusters	40
1059 1058 1057	Postformation Modification of SAMs: using click chemistry to functionalize organic surfaces. 2009, 25, 11480-5 Micropatterned surfaces with covalently grafted unsymmetrical polyoxometalate-hybrid clusters lead to selective cell adhesion. 2009, 131, 1340-1	40
1059 1058 1057	Postformation Modification of SAMs: using click chemistry to functionalize organic surfaces. 2009, 25, 11480-5 Micropatterned surfaces with covalently grafted unsymmetrical polyoxometalate-hybrid clusters lead to selective cell adhesion. 2009, 131, 1340-1 Norepinephrine: material-independent, multifunctional surface modification reagent. 2009, 131, 13224-5	40 147 272
1059 1058 1057 1056	Postformation Modification of SAMs: using click chemistry to functionalize organic surfaces. 2009, 25, 11480-5 Micropatterned surfaces with covalently grafted unsymmetrical polyoxometalate-hybrid clusters lead to selective cell adhesion. 2009, 131, 1340-1 Norepinephrine: material-independent, multifunctional surface modification reagent. 2009, 131, 13224-5 Nanoscience of Gold and Gold Surfaces. 321-356 Direct electrochemistry of bilirubin oxidase on three-dimensional gold nanoparticle electrodes and its application in a biofuel cell. 2009, 2, 1280	40 147 272 2
1059 1058 1057 1056	Postformation Modification of SAMs: using click chemistry to functionalize organic surfaces. 2009, 25, 11480-5 Micropatterned surfaces with covalently grafted unsymmetrical polyoxometalate-hybrid clusters lead to selective cell adhesion. 2009, 131, 1340-1 Norepinephrine: material-independent, multifunctional surface modification reagent. 2009, 131, 13224-5 Nanoscience of Gold and Gold Surfaces. 321-356 Direct electrochemistry of bilirubin oxidase on three-dimensional gold nanoparticle electrodes and its application in a biofuel cell. 2009, 2, 1280	40 147 272 2 164

1051	Si nanowire ion-sensitive field-effect transistors with a shared floating gate. 2009 , 94, 163106	7
1050	A robust procedure for the functionalization of gold nanorods and noble metal nanoparticles. 2009 , 1724-6	86
1049	Gold Nanoparticles Decorated with Oligo(ethylene glycol) Thiols: Enhanced Hofmeister Effects in Colloid P rotein Mixtures. 2009 , 113, 4839-4847	20
1048	Effects of ligand coordination number and surface curvature on the stability of gold nanoparticles in aqueous solutions. 2009 , 25, 10604-11	113
1047	How wetting and adhesion affect thermal conductance of a range of hydrophobic to hydrophilic aqueous interfaces. 2009 , 102, 156101	217
1046	Probing the Organization of Charged Self-Assembled Monolayers by Using the Effects of pH, Time, Electrolyte Anion, and Temperature, on the Charge Transfer of Electroactive Probes. 2009 , 113, 2405-2416	13
1045	Surface-enhanced Raman spectroscopy of CdSe quantum dots on nanostructured plasmonic surfaces. 2009 , 95, 141111	45
1044	Directed covalent assembly of rigid organic nanodisks using self-assembled temporary scaffolds. 2009 , 1112-4	25
1043	Graphitic Nanoribbons with Dibenzo[e,l]pyrene Repeat Units: Synthesis and Self-Assembly. 2009 , 42, 6878-6884	74
1042	Combinatorial Methods for Chemical and Biological Sensors. 2009,	13
	Combinatorial Methods for Chemical and Biological Sensors. 2009, Templates in Chemistry III. 2009,	9
1041		<u> </u>
1041	Templates in Chemistry III. 2009,	9
1041 1040	Templates in Chemistry III. 2009, Inorganic Nanoparticles for Biomedical Applications. 2009, 272-289 Carbohydrate surface attachment characterized by sum frequency generation spectroscopy. 2009,	9
1041	Templates in Chemistry III. 2009, Inorganic Nanoparticles for Biomedical Applications. 2009, 272-289 Carbohydrate surface attachment characterized by sum frequency generation spectroscopy. 2009, 25, 1901-4	9 6 25
1041 1040 1039	Templates in Chemistry III. 2009, Inorganic Nanoparticles for Biomedical Applications. 2009, 272-289 Carbohydrate surface attachment characterized by sum frequency generation spectroscopy. 2009, 25, 1901-4 Nanoholes as nanochannels: flow-through plasmonic sensing. 2009, 81, 4308-11 Immobilization and release strategies for DNA delivery using carbon nanofiber arrays and	9 6 25 223
1041 1040 1039 1038	Templates in Chemistry III. 2009, Inorganic Nanoparticles for Biomedical Applications. 2009, 272-289 Carbohydrate surface attachment characterized by sum frequency generation spectroscopy. 2009, 25, 1901-4 Nanoholes as nanochannels: flow-through plasmonic sensing. 2009, 81, 4308-11 Immobilization and release strategies for DNA delivery using carbon nanofiber arrays and self-assembled monolayers. 2009, 20, 145304 Enhanced stability of thiolate self-assembled monolayers (SAMs) on nanostructured gold	9 6 25 223 31

1033	Description of ferrocenylalkylthiol SAMs on gold by molecular dynamics simulations. 2009 , 25, 9164-72		22
1032	Comparison of diazonium salt derived and thiol derived nitrobenzene layers on gold. 2009 , 25, 4556-63		112
1031	Handbook of Single-Molecule Biophysics. 2009 ,		49
1030	Self-assembly and structure of directly imaged inorganic-anion monolayers on a gold nanoparticle. 2009 , 131, 17412-22		88
1029	Spectroelectrochemical study of the [NiFe] hydrogenase from Desulfovibrio vulgaris Miyazaki F in solution and immobilized on biocompatible gold surfaces. 2009 , 113, 15344-51		57
1028	On the release of hydrogen from the S-H groups in the formation of self-assembled monolayers of thiols. 2009 , 25, 10435-8		80
1027	The dependence between forces and dissipation rates mediating dynamic self-assembly. 2009 , 5, 1279		21
1026	Assembly of polygonal nanoparticle clusters directed by reversible noncovalent bonding interactions. 2009 , 9, 3185-90		73
1025	Uncovering the hidden gold atoms in a self-assembled monolayer of alkanethiol molecules on Au(111). 2009 , 79,		46
1024	The Wettability and Topography of Self-Assembled Protein Monolayer Linked by Alkanethiols. 2009		1
1023	Reversible photoisomerization of an azobenzene-functionalized self-assembled monolayer probed by sum-frequency generation vibrational spectroscopy. 2009 , 11, 6242-8		67
1022	Heterogeneous Proton-Coupled Electron Transfer of an Aminoanthraquinone Self-Assembled Monolayer. 2009 , 113, 4915-4924		40
1021	Deprotection, tethering, and activation of a catalytically active metalloporphyrin to a chemically active metal surface: [SAc](4)P-Mn(III)Cl on Ag(100). 2009 , 131, 1910-4		30
1020	Shedding light on surfacesusing photons to transform and pattern material surfaces. 2009 , 5, 36-50		34
1019	Nanofabrication beyond electronics. 2009 , 3, 1049-56		45
1018	Aggregation-enhanced emission in gold nanoparticles protected by tetradentate perylene derivative. 2009 , 25, 11351-7		16
1017	Coherent multidimensional optical spectroscopy of excitons in molecular aggregates; quasiparticle versus supermolecule perspectives. <i>Chemical Reviews</i> , 2009 , 109, 2350-408	68.1	386
1016	Click on SAM. 2009 , 57, 742-747		

1015	Surface Electroinitiated Emulsion Polymerization (SEEP): A Mechanistic Approach. 2009, 21, 4261-4274	53
1014	Surface-enhanced IR-visible sum frequency generation vibrational spectroscopy. 2009 , 11, 3436-42	43
1013	Photoactivation of alkyl C-H and silanization: a simple and general route to prepare high-density primary amines on inert polymer surfaces for protein immobilization. 2009 , 10, 1238-43	29
1012	Self-assembled monolayers of 2-Adamantanethiol on Au{111}: control of structure and displacement. 2009 , 113, 3895-903	42
1011	A study on the formation and thermal stability of 11-MUA SAMs on Au(111)/mica and on polycrystalline gold foils. 2009 , 25, 1427-33	33
1010	Heads and tails: simultaneous exposed and buried interface imaging of monolayers. 2009 , 3, 3115-21	47
1009	Reversible lability by in situ reaction of self-assembled monolayers. 2009 , 131, 2252-9	32
1008	Identifying the length dependence of orbital alignment and contact coupling in molecular heterojunctions. 2009 , 9, 1164-9	182
1007	Adsorption and diffusion of SCH3 radicals and Au(SCH3)2 complexes on the unreconstructed Au(111) surface in the submonolayer coverage regime. 2009 , 79,	18
1006	Infrared spectra and density functional theory calculations of coinage metal disulfide molecules and complexes. 2009 , 4190-8	12
1005	Enantioselective crystallization on nanochiral surfaces. 2009 , 38, 772-80	78
1004	Immunity of coated self-ordered silver nanocrystals: a new intrinsic property due to the nanocrystal ordering. 2009 , 25, 2824-30	18
1003	Quantitative kinetic measurements of the esterification of self-assembled monolayers of mercaptoundecanol by trifluoroacetic anhydride using friction force microscopy. 2009 , 25, 9182-8	9
1002	H-atom position as pattern-determining factor in arenethiol films. 2009 , 131, 5540-5	13
1001	Osmium Carbonyl Clusters on Gold and Silver Nanoparticles as Models for Studying the Interaction with the Metallic Surface. 2009 , 113, 18562-18569	9
1000	Thermoresponsive Properties of N-Isopropylacrylamide Oligomer Brushes Grafted to Gold Nanoparticles: Effects of Molar Mass and Gold Core Size. 2009 , 42, 2696-2701	71
999	Multimodal drug delivery using gold nanoparticles. 2009 , 1, 61-7	212
998	Soft nanotechnology: "structure" vs. "function". 2009 , 143, 373-84	50

(2009-2009)

997	Photoresponsive SAMs on gold fabricated from azobenzene-functionalised asparagusic acid derivatives. 2009 , 8593-604	18
996	Structure and composition of binary monolayers self-assembled from sodium 2-mercaptoetanosulfonate and mercaptoundecanol mixed solutions on silver and gold supports. 2009 , 11, 3390-400	14
995	Fluorine-labeling as a diagnostic for thiol-ligand and gold nanocluster self-assembly. 2009, 134, 1790-801	18
994	Controlled nanostructuring of a gold film covered with alkanethiol SAM by low energy cluster implantation. 2009 , 11, 1521-5	18
993	Light-driven altitudinal molecular motors on surfaces. 2009 , 1712-4	68
992	Proton switching of polarity in metalloamphiphile crystals. 2009 , 11, 249-253	8
991	Enhanced Electrical Properties of Anisotropic Conductive Adhesive With \$pi\$ -Conjugated Self-Assembled Molecular Wire Junctions. 2009 , 32, 677-683	9
990	Self-assembled monolayer-assisted mass spectrometry. 2009 , 19, 8032	7
989	Electrochemical quartz crystal microbalance study of covalent tethering of carboxylated thiol to polyaniline for electrocatalyzed oxidation of ascorbic acid in neutral aqueous solution. 2009 , 11, 9050-61	20
988	Microcontact chemistry: surface reactions in nanoscale confinement. 2009 , 19, 8902	49
987	STICS: surface-tethered iterative carbohydrate synthesis. 2009 , 1834-6	36
986	Fabrication of titanium oxide/phthalocyanine hybrid multilayers and their application to interface control for an organic diode. 2009 , 19, 8403	8
985	Self-assembled dithiothreitol on Au surfaces for biological applications: phospholipid bilayer formation. 2009 , 11, 1077-84	40
984	. 2009,	2
983	Photofunctional thin film devices composed of polymer nanosheet assemblies. 2009 , 19, 325-329	34
982	A novel method of self-assembling siloxane bi-layer directly on SiO2 surface of micro-cantilever for long-term repeatable sensing to trace explosives. 2009 ,	
981	Comparative study of copper surface treatment with self-assembled monolayers of aliphatic thiol, dithiol and dithiocarboxylic acid. 2009 , 637, 43-49	25
980	Structure and Bonding in the Ubiquitous Icosahedral Metallic Gold Cluster Au144(SR)60. 2009 , 113, 5035-503	8 363

979	Direct electron transfer to a metalloenzyme redox center coordinated to a monolayer-protected cluster. 2009 , 131, 10229-36	64
978	Molecular Electronics. 2009 , 39, 1-23	288
977	Green synthesis of gold nanoparticles with starchillucose and application in bioelectrochemistry. 2009 , 19, 7839	142
976	Applications of orthogonal "click" chemistries in the synthesis of functional soft materials. <i>Chemical Reviews</i> , 2009 , 109, 5620-86	1 1278
975	Self-assembly of alkanedithiols on Au(111) from solution: effect of chain length and self-assembly conditions. 2009 , 25, 12945-53	65
974	Varying the electrochemical potential and thickness of porphyrazine SAMs by molecular design. 2009 , 113, 14892-903	15
973	Self-assembly: from crystals to cells. 2009 , 5, 1110	328
972	On the nature of DNA self-assembled monolayers on Au: measuring surface heterogeneity with electrochemical in situ fluorescence microscopy. 2009 , 131, 4042-50	111
971	Mixed Self-Assembled Monolayers of Ferrocene-Terminated and Unsubstituted Alkanethiols on Gold: Surface Structure and Work Function. 2009 , 113, 1972-1979	44
970	Thermal grafting of organic monolayers on amorphous carbon and silicon (111) surfaces: A comparative study. 2009 , 18, 1074-1080	11
969	Electrochemical and X-ray Photoelectron Spectroscopy Characterization of Alkanethiols Adsorbed on Palladium Surfaces. 2009 , 113, 6735-6742	39
968	Studies on the adsorption property and structure of polyamine-ended poly(ethylene glycol) derivatives on a gold surface by surface plasmon resonance and angle-resolved X-ray photoelectron spectroscopy. 2009 , 25, 12243-9	22
967	Direct Electron Transfer of Thiol-Derivatized Tetraphenylporphyrin Assembled on Gold Electrodes in an Aqueous Solution. 2009 , 113, 9359-9367	26
966	Selective functionalization of gold arms of a surface plasmon polariton Mach-Zehnder interferometer for biosensing. 2009 ,	
965	Recent Progress in Electrochemical Surface Science with Atomic and Molecular Levels. 2009 , 77, 2-20	55
964	Facile method for constructing metallic nanoarrays on a solid surface. 2009 , 25, 1387-96	9
963	Synthesis of Thiol-capped Gold Nanoparticles with Organometallic Reagents as a New Class of Reducing Agent. 2009 , 38, 562-563	10
962	Ion-selective Imaging by Atomic Force Microscopy with a Crown-ether-modified Tip. 2009 , 38, 58-59	1

(2010-2009)

961	Recent Progress in Electrochemical Surface Science with Atomic and Molecular Levels. 2009, 77, E1	2
960	Dynamics of the reaction of O(3P) atoms with alkylthiol self-assembled monolayers. 2009 , 113, 4320-9	24
959	Infrared and UV-Vis spectroscopic study of 3,7,10-substituted-phenothiazine derivatives adsorbed on gold nanoparticles. 2009 , 182, 012019	5
958	Electronic Processes at Organic/Metal Interfaces: Recent Progress and Pitfalls. 2010 , 14, 198-211	8
957	Large-Sized Fabrication of Tunable Plasmonic Electrodes Via Electrodeposition. 2010 , 57, 162-166	1
956	Surface plasmon effects induced by uncollimated emission of semiconductor microstructures. 2010	
955	Cellular Interactions of Plasmon-Resonant Gold Nanorods. 2010 , 507-533	
954	Molecular Inorganic Conductors and Superconductors. 2010 , 211-280	7
953	Quantitative Characterization of Affinity Properties of Immobilized Receptors. 2010, 1-15	1
952	MICROPATTERNED POLYMER STRUCTURES FOR CELL AND TISSUE ENGINEERING. 2010 , 101-120	
951	Noncovalent Assemblies: Design and Synthesis. 2010 , 7-30	1
950	Bioaffinity limitations for anisotropically etched silicon microfluidics. 2010 , 3, 122	
949	Modified Gold Nanoparticles and Surfaces. 2010 , 113-154	O
948	Layer by Layer Construction of Metal©rganic Molecule Bilayer on a Au(111) Surface. 2010 , 39, 110-111	4
947	Synthesis of N,N?-Bis (thioacetoxyalkoxy) piperazine and Its Self-assembled Monolayer (SAM) Formation on Gold Electrode. 2010 , 39, 415-417	3
946	Atomic layer deposition of dielectric overlayers for enhancing the optical properties and chemical stability of plasmonic nanoholes. 2010 , 4, 947-54	83
945	Sulfur modification of Au via treatment with Piranha solution provides low-Pd releasing and recyclable Pd material, SAPd. 2010 , 132, 7270-2	67
944	Surface Sensitization Techniques and Recognition Receptors Immobilization on Biosensors and Microarrays. 2010 , 47-134	20

943	Esterification of self-assembled carboxylic-acid-terminated thiol monolayers in acid environment: a time-dependent study. 2010 , 26, 821-9	13
942	Bishydrazide glycoconjugates for lectin recognition and capture of bacterial pathogens. 2010 , 21, 2065-75	28
941	Surface modification, functionalization and bioconjugation of colloidal inorganic nanoparticles. 2010 , 368, 1333-83	1146
940	Aliphatic alcohols facilitate interfacial reorientation of thiols: correlation with alcohol adsorptivity. 2010 , 26, 5254-61	4
939	Reorientation of thiols during 2D self-assembly: interplay between steric and energetic factors. 2010 , 26, 2914-23	10
938	Kinetic dispersion in redox-active dithiocarbamate monolayers. 2010 , 26, 2904-13	24
937	ESR spectroscopy as a tool to investigate the properties of self-assembled monolayers protecting gold nanoparticles. 2010 , 2, 668-76	43
936	Fabrication of free-standing ultrathin films of porous metal-organic frameworks by liquid-phase epitaxy and subsequent delamination. 2010 , 4, 197-199	32
935	Electrochemical cleavage of azo linkage for site-selective immobilization and cell patterning. 2010 , 46, 3863-5	10
934	Interfacial behavior of benzoic acid and phenylphosphonic acid on nanocrystalline TiO(2) surfaces. 2010 , 5, 852-8	16
933	Electrochemistry of conducting polymerspersistent models and new concepts. <i>Chemical Reviews</i> , 2010 , 110, 4724-71	880
932	Surface Patterning Using Self Assembled Monolayers (SAMs). 2010 , 65-107	5
931	Nature and strength of M-S bonds (m = Au, Ag, and Cu) in binary alloy gold clusters. 2010 , 114, 9212-21	142
930	Surface attachment of protein fibrils via covalent modification strategies. 2010 , 114, 10925-38	41
929	Dynamic control over cell adhesive properties using molecular-based surface engineering strategies. 2010 , 39, 354-78	191
928	Self-assembled plasmonic nanoparticle clusters. 2010 , 328, 1135-8	1223
927	DNA-Functionalized Carbon Nanotubes: Synthesis, Self-Assembly, and Applications. 2010 , 50, 277-290	15
926	Characterization of gold nanorods in vivo by integrated analytical techniques: their uptake, retention, and chemical forms. 2010 , 396, 1105-14	101

(2010-2010)

925	Protein immobilization at gold-thiol surfaces and potential for biosensing. 2010, 398, 1545-64	110
924	Using aptamers to visualize and capture cancer cells. 2010 , 397, 3225-33	39
923	Self-assembled organic monolayers as high-resolution resists in rapid nonlinear processing with single femtosecond laser pulses. 2010 , 101, 461-466	3
922	Electrochemical surface nanopatterning by selective reductive desorption from mixed metal surfaces. 2010 , 55, 4309-4313	2
921	Potential-assisted deposition of mixed alkanethiol self-assembled monolayers. 2010 , 55, 2712-2720	29
920	Theoretical studies of Pd metal deposition on the BB 4-mercaptopyridine self-assembled monolayer. 2010 , 55, 8258-8262	8
919	One step gold (bio)functionalisation based on CS2-amine reaction. 2010 , 55, 8686-8695	24
918	Studies on the interactions between bovine ∄ actoglobulin and chitosan at the solid □ quid interface. 2010 , 55, 8779-8790	16
917	Thermal stability of thiol and silane monolayers: A comparative study. 2010 , 256, 2742-2749	92
916	Electrochemical probe for the monitoring of DNA-protein interactions. 2010 , 25, 2598-602	21
915	Coordination motifs in modern supramolecular chemistry. 2010 , 254, 794-831	113
914	Permanent gold nanoparticle coatings on polyelectrolyte multilayer modified capillaries for open-tubular capillary electrochromatography. 2010 , 1217, 6588-94	44
913	Nanoporous structures on ZnO thin films. 2010 , 47, 182-186	10
912	In situ study of the deterioration of thiazole/gold and thiazole/silver interfaces during interfacial ion transport processes. 2010 , 643, 94-101	10
911	Combining electrochemistry and direct force measurements: from the control of surface properties towards applications. 2010 , 288, 1201-1214	10
910	Polypyrrole on self-assembled monolayers of a pyrrolyl lipoic acid derivativellectrosynthesis and polymer film characterization. 2010 , 14, 1985-1995	3
909	Enhanced immobilization of hexa-arginine-tagged esterase on gold nanoparticles using mixed self-assembled monolayers. 2010 , 33, 165-9	4
908	Silicon Based Nanocoatings on Metal Alloys and Their Role in Surface Engineering. 2010 , 2, 117-151	17

907	Interface-directed sol-gel: direct fabrication of the covalently attached ultraflat inorganic oxide pattern on functionalized plastics. 2010 , 53, 173-182	12
906	Application of l-thiazolidine-4-carboxylic acid monolayer in electrochemical determination of copper(II). 2010 , 53, 257-262	3
905	Theoretical study on self-assembly in organic materials. 2010 , 5, 2-10	
904	Magnetic biosensor technologies for medical applications: a review. 2010 , 48, 977-98	155
903	Probing specific interaction forces between human IgG and rat anti-human IgG by self-assembled monolayer and atomic force microscopy. 2010 , 5, 1032-8	15
902	Size and purity of gold nanoparticles changes with different types of thiolate ligands. 2010 , 100, 839-845	3
901	In vitro effects of silver nanoparticles on the mitochondrial respiratory chain. 2010 , 342, 51-6	99
900	Synthesis and characterization of a fatty acid self-assembled monolayer on CeO2 nanoparticles: to explore solution-state property of a SAM. 2010 , 12, 2567-2578	15
899	Preparation of surfactant-stabilized gold nanoparticlepeptide nucleic acid conjugates. 2010 , 12, 2363-2369	34
898	Insights from Theory on the Relationship Between Surface Reactivity and Gold Atom Release. 2010 , 53, 365-377	15
897	Gold nanoparticle platforms as drug and biomacromolecule delivery systems. 2010 , 148, 122-127	355
896	Metallization of ultra-thin, non-thiol SAMs with flat-lying molecular units: Pd on 1, 4-dicyanobenzene. 2010 , 11, 2951-6	13
895	Interfacial systems chemistry: out of the vacuumthrough the liquidinto the cell. 2010 , 11, 3201-13	21
894	High-resolution surface chemical analysis of a trifunctional pattern made by sequential colloidal shadowing. 2010 , 11, 3609-16	11
893	Bioactivity of immobilized EGF on self-assembled monolayers: optimization of the immobilization process. 2010 , 94, 576-85	9
892	The stability of self-assembled monolayers with time and under biological conditions. 2010 , 94, 833-43	8
891	QM/MM method for metal-organic interfaces. 2010 , 31, 2955-66	9
890	Synthesis, Electrochemical Behavior, and Self-Assembly of Metallocene-Functionalized Thiofluorenes. 2010 , 2010, 3952-3960	2

(2010-2010)

889	Patterning Nanoparticles by Microcontact Printing and Further Growth of One-Dimensional Nanomaterials. 2010 , 2010, 4357-4362	7
888	Synthesis of Functionalized Triazatriangulenes for Application in Photo-Switchable Self-Assembled Monolayers. 2010 , 2010, 5041-5055	37
887	Synthesis and Structural Analysis of Substituted Tripod-Shaped Tri- and Tetra(p-phenylene)s. 2010 , 2010, 5672-5680	7
886	Adenosine Reagentless Electrochemical Aptasensor Using a Phosphorothioate Immobilization Strategy. 2010 , 22, 147-150	14
885	Electrochemical Characterization of Gold 6-Amino-2-mercaptobenzothiazole Self-Assembled Monolayer for Dopamine Detection in Pharmaceutical Samples. 2010 , 22, 969-977	33
884	Highly Sensitive Electrochemical Sensor for Nitric Oxide Using the Self-Assembled Monolayer of 1,8,15,22-Tetraaminophthalocyanatocobalt(II) on Glassy Carbon Electrode. 2010 , 22, 639-644	18
883	Covalent versus Electrostatic Strategies for Nanoparticle Immobilisation. 2010 , 22, 2940-2946	12
882	Surface-Confined Electropolymerization of Methylene Blue on Gold Electrodes. 2010 , 23, n/a-n/a	1
881	Organic Ligands Made Porous: Magnetic and Catalytic Properties of Transition Metals Coordinated to the Surfaces of Mesoporous Organosilica. 2010 , 20, 1133-1143	28
880	Near-Field Lithography by Two-Photon Induced Photocleavage of Organic Monolayers. 2010 , 20, 4265-4272	34
879	Kinetics-Controlled Formation of Gold Clusters Using a Quasi-Biological System. 2010, 20, 3673-3677	20
878	Gold Nanocages: A Novel Class of Multifunctional Nanomaterials for Theranostic Applications. 2010 , 20, 3684-3694	189
877	Preparation of inorganic materials using ionic liquids. 2010 , 22, 261-85	669
876	Evidence for band-like transport in graphene-based organic monolayers. 2010 , 22, 384-8	40
875	Vertically aligned single-walled carbon nanotubes by chemical assemblymethodology, properties, and applications. 2010 , 22, 1430-49	75
874	Modeling the electronic properties of pi-conjugated self-assembled monolayers. 2010 , 22, 2494-513	107
873	Conjugated carbon monolayer membranes: methods for synthesis and integration. 2010 , 22, 1072-7	47
872	Functional nanostructured plasmonic materials. 2010 , 22, 1102-10	104

871	Dynamically crosslinked gold nanoparticle - hyaluronan hydrogels. 2010 , 22, 4736-40	172
870	Remotely triggerable drug delivery systems. 2010 , 22, 4925-43	498
869	Bottom-up fabricated asymmetric electrodes for organic electronics. 2010 , 22, 5018-23	24
868	Polychlorotriphenylmethyl Radicals: Towards Multifunctional Molecular Materials. 2010 , 33-80	12
867	Electron Transfer of Proteins at Membrane Models. 2010 , 219-240	1
866	Surface chemistry and cell biological tools for the analysis of cell adhesion and migration. 2010 , 11, 745-53, 730	31
865	Ultrahydrophobe Oberflähen durch gezieltes Grenzflähendesign. 2010 , 82, 297-308	3
864	Nanoscale biomolecular structures on self-assembled monolayers generated from modular pegylated disulfides. 2010 , 16, 12234-43	11
863	Synthesis of benzaldehyde-functionalized glycans: a novel approach towards glyco-SAMs as a tool for surface plasmon resonance studies. 2010 , 16, 7017-29	22
862	Nanoparticles as semi-heterogeneous catalyst supports. 2010 , 16, 8950-67	311
862	Nanoparticles as semi-heterogeneous catalyst supports. 2010 , 16, 8950-67 Conductance control in stabilized carotenoid wires. 2010 , 16, 7395-9	311
861	Conductance control in stabilized carotenoid wires. 2010 , 16, 7395-9 The effect of ligand denticity in size-selective synthesis of calix[n]arene-stabilized gold	16
861 860	Conductance control in stabilized carotenoid wires. 2010, 16, 7395-9 The effect of ligand denticity in size-selective synthesis of calix[n]arene-stabilized gold nanoparticles: a multitechnique approach. 2010, 16, 11089-99 Atomic-level elucidation of the initial stages of self-assembled monolayer metallization and	16
861 860 859	Conductance control in stabilized carotenoid wires. 2010, 16, 7395-9 The effect of ligand denticity in size-selective synthesis of calix[n]arene-stabilized gold nanoparticles: a multitechnique approach. 2010, 16, 11089-99 Atomic-level elucidation of the initial stages of self-assembled monolayer metallization and nanoparticle formation. 2010, 16, 12381-6	16 12 9
861 860 859 858	Conductance control in stabilized carotenoid wires. 2010, 16, 7395-9 The effect of ligand denticity in size-selective synthesis of calix[n]arene-stabilized gold nanoparticles: a multitechnique approach. 2010, 16, 11089-99 Atomic-level elucidation of the initial stages of self-assembled monolayer metallization and nanoparticle formation. 2010, 16, 12381-6 Electron Hopping over 100 [Along an Helix. 2010, 122, 1844-1848	16 12 9
861 860 859 858	Conductance control in stabilized carotenoid wires. 2010, 16, 7395-9 The effect of ligand denticity in size-selective synthesis of calix[n]arene-stabilized gold nanoparticles: a multitechnique approach. 2010, 16, 11089-99 Atomic-level elucidation of the initial stages of self-assembled monolayer metallization and nanoparticle formation. 2010, 16, 12381-6 Electron Hopping over 100 IAlong an Helix. 2010, 122, 1844-1848 Large-Area Nanocontact Printing with Metallic Nanostencil Masks. 2010, 122, 3121-3124 Düner, kleiner, schneller iwie die IR-Spektroskopie zur Aufklfung des Funktionsmechanismus	16 12 9 14 11

(2010-2010)

853	Control over Rectification in Supramolecular Tunneling Junctions. 2010 , 122, 10374-10378	4
852	Nanoparticle Oscillations and Fronts. 2010 , 122, 8798-8801	20
851	Electron hopping over 100 A along an alpha helix. 2010 , 49, 1800-4	85
850	Large-area nanocontact printing with metallic nanostencil masks. 2010 , 49, 3057-60	24
849	Thinner, smaller, faster: IR techniques to probe the functionality of biological and biomimetic systems. 2010 , 49, 5416-24	86
848	Coordinatively immobilized monolayers on porous coordination polymer crystals. 2010 , 49, 5327-30	121
847	Isophthalic acid: a basis for highly ordered monolayers. 2010 , 49, 6220-3	25
846	Control over rectification in supramolecular tunneling junctions. 2010 , 49, 10176-80	22
845	Janus nanomembranes: a generic platform for chemistry in two dimensions. 2010, 49, 8493-7	80
844	Nanoparticle oscillations and fronts. 2010 , 49, 8616-9	101
844	Nanoparticle oscillations and fronts. 2010 , 49, 8616-9 Enzyme-instructed self-assembly of peptide derivatives to form nanofibers and hydrogels. 2010 , 94, 19-31	10195
	Enzyme-instructed self-assembly of peptide derivatives to form nanofibers and hydrogels. 2010 ,	
	Enzyme-instructed self-assembly of peptide derivatives to form nanofibers and hydrogels. 2010 , 94, 19-31	95
8 ₄₃	Enzyme-instructed self-assembly of peptide derivatives to form nanofibers and hydrogels. 2010 , 94, 19-31 Molecular biomimetics: GEPI-based biological routes to technology. 2010 , 94, 78-94	95 81
843 842 841	Enzyme-instructed self-assembly of peptide derivatives to form nanofibers and hydrogels. 2010 , 94, 19-31 Molecular biomimetics: GEPI-based biological routes to technology. 2010 , 94, 78-94 Application of gold nanoparticles in separation sciences. 2010 , 33, 372-87 Inhibition of copper corrosion by modifying cysteine self-assembled film with alkylamine/alkylacid	95 81 108
8 ₄₃ 8 ₄₂ 8 ₄₁ 8 ₄₀	Enzyme-instructed self-assembly of peptide derivatives to form nanofibers and hydrogels. 2010 , 94, 19-31 Molecular biomimetics: GEPI-based biological routes to technology. 2010 , 94, 78-94 Application of gold nanoparticles in separation sciences. 2010 , 33, 372-87 Inhibition of copper corrosion by modifying cysteine self-assembled film with alkylamine/alkylacid compounds. 2010 , 61, 16-21 On the Monolayer Adsorption of Thiol-Terminated Dendritic Oligothiophenes onto Gold Surfaces.	95 81 108 23
843 842 841 840	Enzyme-instructed self-assembly of peptide derivatives to form nanofibers and hydrogels. 2010, 94, 19-31 Molecular biomimetics: GEPI-based biological routes to technology. 2010, 94, 78-94 Application of gold nanoparticles in separation sciences. 2010, 33, 372-87 Inhibition of copper corrosion by modifying cysteine self-assembled film with alkylamine/alkylacid compounds. 2010, 61, 16-21 On the Monolayer Adsorption of Thiol-Terminated Dendritic Oligothiophenes onto Gold Surfaces. 2010, 211, 2562-2572 Gold Tailored Photosensitive Elastin-like Polymer: Synthesis of Temperature, pH and UV-vis	95 81 108 23

835	Study on wetting properties of periodical nanopatterns by a combinative technique of photolithography and laser interference lithography. 2010 , 256, 3683-3687	49
834	Passivation of aluminum with alkyl phosphonic acids for biochip applications. 2010 , 256, 7146-7150	23
833	The structural formation of methylthiolate SAMs on Au(1 1 1) for short deposition times from solution. 2010 , 256, 7265-7269	9
832	Integrity of functional self-assembled monolayers on hydrogen-terminated silicon-on-insulator wafers. 2010 , 257, 1314-1318	7
831	Tunnel Diodes Fabricated For Rectenna Applications Using Self-Assembled Nanodielectrics. 2010 , 5, 1055-1058	7
830	Stimuli-responsive monolayers for biotechnology. 2010 , 35, 141-154	85
829	Cathodic electrografting of acrylics: From fundamentals to functional coatings. 2010 , 35, 113-140	44
828	Gold adatom as a key structural component in self-assembled monolayers of organosulfur molecules on Au(111). 2010 , 85, 206-240	232
827	Analysis of immunoreaction with localized surface plasmon resonance biosensor. 2010 , 75, 1163-7	8
826	Fluorescently labeled 1 nm thin nanomembranes. 2010 , 149, 267-71	8
826 825	Fluorescently labeled 1 nm thin nanomembranes. 2010 , 149, 267-71 Gap-mode SERS studies of azobenzene-containing self-assembled monolayers on Au(111). 2010 , 341, 366-75	31
	Gap-mode SERS studies of azobenzene-containing self-assembled monolayers on Au(111). 2010 ,	
825	Gap-mode SERS studies of azobenzene-containing self-assembled monolayers on Au(111). 2010 , 341, 366-75	31
825 824	Gap-mode SERS studies of azobenzene-containing self-assembled monolayers on Au(111). 2010, 341, 366-75 Breath figure lithography: A facile and versatile method for micropatterning. 2010, 342, 192-7 Self-assembled monolayers of benzenethiol and benzenemethanethiol on Au(111): Influence of an	31
825 824 823	Gap-mode SERS studies of azobenzene-containing self-assembled monolayers on Au(111). 2010, 341, 366-75 Breath figure lithography: A facile and versatile method for micropatterning. 2010, 342, 192-7 Self-assembled monolayers of benzenethiol and benzenemethanethiol on Au(111): Influence of an alkyl spacer on the structure and thermal desorption behavior. 2010, 342, 513-7 Fabrication of one-dimensional ZnO/4-Mpy/Ag assemblies and their spectroscopic studies. 2010,	31 33 39
825 824 823	Gap-mode SERS studies of azobenzene-containing self-assembled monolayers on Au(111). 2010, 341, 366-75 Breath figure lithography: A facile and versatile method for micropatterning. 2010, 342, 192-7 Self-assembled monolayers of benzenethiol and benzenemethanethiol on Au(111): Influence of an alkyl spacer on the structure and thermal desorption behavior. 2010, 342, 513-7 Fabrication of one-dimensional ZnO/4-Mpy/Ag assemblies and their spectroscopic studies. 2010, 344, 251-5 Interface dynamics and mechanisms of nanoindented alkanethiol self-assembled monolayers using	31 33 39 17
825 824 823 822	Gap-mode SERS studies of azobenzene-containing self-assembled monolayers on Au(111). 2010, 341, 366-75 Breath figure lithography: A facile and versatile method for micropatterning. 2010, 342, 192-7 Self-assembled monolayers of benzenethiol and benzenemethanethiol on Au(111): Influence of an alkyl spacer on the structure and thermal desorption behavior. 2010, 342, 513-7 Fabrication of one-dimensional ZnO/4-Mpy/Ag assemblies and their spectroscopic studies. 2010, 344, 251-5 Interface dynamics and mechanisms of nanoindented alkanethiol self-assembled monolayers using molecular simulations. 2010, 345, 19-26 A copper(II) thiosemicarbazone complex built on gold for the immobilization of lipase and laccase.	31 33 39 17

(2021-2010)

817	Electrochemistry and in situ fluorescence microscopy of octadecanol layers doped with a BODIPY-labeled phospholipid: Investigating an adsorbed heterogeneous layer. 2010 , 649, 126-135	5
816	Influence of the crystallographic orientation on the reductive desorption of self-assembled monolayers on gold electrodes. 2010 , 649, 164-170	35
815	A novel printing technique for highly integrated organic devices. 2010 , 87, 614-619	3
814	Formation and structural transition of molecular self-assembly on solid surface investigated by scanning tunneling microscopy. 2010 , 70, 169-187	28
813	Oxidative addition of asparagusic acid based disulfides to Pt0. 2010 , 695, 626-629	8
812	Electrochemical characterization of BSA/11-mercaptoundecanoic acid on Au electrode. 2010, 169, 55-61	13
811	Cage molecules for self-assembly. 2010 , 70, 188-208	56
810	Mini/Micro/Nano Scale Liquid Metal Motors. 2021 , 12,	5
809	Thioester Functional Polymers. 2021 , 235-263	0
808	Aptamer-Based Detection of Circulating Targets for Precision Medicine. <i>Chemical Reviews</i> , 2021 , 121, 12035-12105	61
808 807		61
	121, 12035-12105 Convenient Synthesis of Functionalized Unsymmetrical Vinyl Disulfides and Their Inverse	
807	Convenient Synthesis of Functionalized Unsymmetrical Vinyl Disulfides and Their Inverse Electron-Demand Hetero-Diels-Alder Reaction. 2021 , 14, Controlled and Stable Patterning of Diverse Inorganic Nanocrystals on Crystalline Two-Dimensional	0
807 806	Convenient Synthesis of Functionalized Unsymmetrical Vinyl Disulfides and Their Inverse Electron-Demand Hetero-Diels-Alder Reaction. 2021, 14, Controlled and Stable Patterning of Diverse Inorganic Nanocrystals on Crystalline Two-Dimensional Protein Arrays. 2021, 60, 1063-1074	0 3
807 806 805	Convenient Synthesis of Functionalized Unsymmetrical Vinyl Disulfides and Their Inverse Electron-Demand Hetero-Diels-Alder Reaction. 2021, 14, Controlled and Stable Patterning of Diverse Inorganic Nanocrystals on Crystalline Two-Dimensional Protein Arrays. 2021, 60, 1063-1074 Polymer Chemistry for Haptics, Soft Robotics, and Human-Machine Interfaces 2021, 31, 2008375	0 3
807 806 805	Convenient Synthesis of Functionalized Unsymmetrical Vinyl Disulfides and Their Inverse Electron-Demand Hetero-Diels-Alder Reaction. 2021, 14, Controlled and Stable Patterning of Diverse Inorganic Nanocrystals on Crystalline Two-Dimensional Protein Arrays. 2021, 60, 1063-1074 Polymer Chemistry for Haptics, Soft Robotics, and Human-Machine Interfaces 2021, 31, 2008375 Bio-inert Properties of TEG Modified Dendrimer Interface. 2021, 37, 519-523 Out-Of-Plane Metal Coordination for a True Solvent-Free Building with Molecular Bricks: Dodging	3
807 806 805 804 803	Convenient Synthesis of Functionalized Unsymmetrical Vinyl Disulfides and Their Inverse Electron-Demand Hetero-Diels-Alder Reaction. 2021, 14, Controlled and Stable Patterning of Diverse Inorganic Nanocrystals on Crystalline Two-Dimensional Protein Arrays. 2021, 60, 1063-1074 Polymer Chemistry for Haptics, Soft Robotics, and Human-Machine Interfaces 2021, 31, 2008375 Bio-inert Properties of TEG Modified Dendrimer Interface. 2021, 37, 519-523 Out-Of-Plane Metal Coordination for a True Solvent-Free Building with Molecular Bricks: Dodging the Surface Ligand Effect for On-Surface Vacuum Self-Assembly. 2021, 31, 2011008 Comprehensive Study on Ni- or Ir-Based Alloy Catalysts in the Hydrogenation of Olefins and	3 3

799	Noise spectroscopy of molecular electronic junctions. 2021 , 8, 011303	2
798	Cost effective optimised synthetic surface modification strategies for enhanced control of neuronal cell differentiation and supporting neuronal and Schwann cell viability. 2021 , 109, 1713-1723	2
797	Polymerization of silanes through dehydrogenative Si-Si bond formation on metal surfaces. 2021 , 13, 350-357	2
796	Intrinsically Polar Piezoelectric Self-Assembled Oligopeptide Monolayers. 2021 , 33, e2007486	5
795	Construction and Properties of Donor-Acceptor Stenhouse Adducts on Gold Surfaces. 2021 , 37, 3057-3066	5
794	Electron-Irradiation Promoted Exchange Reaction as a Tool for Surface Engineering and Chemical Lithography. 2021 , 8, 2100148	5
793	Gold Nanoparticles in Cancer Theranostics. 2021 , 9, 647905	20
792	Vibrational Sum-Frequency Generation Hyperspectral Microscopy for Molecular Self-Assembled Systems. 2021 , 72, 279-306	4
791	High-resolution X-ray absorption spectroscopy of alkanethiolate self-assembled monolayers on Au(111) and Ag(111). 2021 , 248, 147057	
79 ⁰	Interstitially Mixed Self-Assembled Monolayers Enhance Electrical Stability of Molecular Junctions. 2021 , 21, 3162-3169	15
789	Controlled Nanostructures Fabricated by the Self-Assembly of Gold Nanoparticles via Simple Surface Modifications. 2021 , 94, 1300-1310	3
788	A versatile heterogeneous photocatalyst: nanoporous gold powder modified with a zinc(II) phthalocyanine derivative for singlet oxygen [4 + 2] cycloadditions. 2021 , 20, 547-558	1
787	Au nanoparticles supported on piranha etched halloysite nanotubes for highly efficient heterogeneous catalysis. 2021 , 546, 149100	14
786	Effect of humic acid on CO-wettability in sandstone formation. 2021 , 588, 315-325	38
7 ⁸ 5	Advances in aptamer-based nanomaterials for separation and analysis of non-genetic biomarkers in biofluids. 2021 , 64, 932-947	1
784	Metal Ion-Dependent Interfacial Organization and Dynamics of Metal-Phosphonate Monolayers. 2021 , 37, 4658-4665	1
783	Stretchable, robust and reprocessable poly(siloxane-urethanes) elastomers based on exchangeable aromatic disulfides. 2021 , 221, 123588	6
782	Woven Electroanalytical Biosensor for Nucleic Acid Amplification Tests. 2021 , 10, e2100034	6

(2021-2021)

781	Plasmonic Anti-counterfeiting Labels Based on the Au@SiO2-Embedded Electrospun Fibers. 2021 , 8, 2002246	3
780	Mesoporous Silica Nanoparticles: Properties and Strategies for Enhancing Clinical Effect. 2021 , 13,	15
779	Modeling of Quasi-Static Floating-Gate Transistor Biosensors. 2021 , 6, 1910-1917	2
778	Odd E ven Effect in Electron Beam Irradiation of Hybrid AromaticAliphatic Self-Assembled Monolayers of Fatty Acid. 2021 , 125, 9310-9318	O
777	First principles details into the grafting of aryl radicals onto the free-standing and borophene/Ag(1 1 1) surfaces. 2021 , 544, 111124	13
776	Oral Tissue Interactions and Cellular Response to Zirconia Implant-Prosthetic Components: A Critical Review. 2021 , 14,	4
775	Structural Order of the Molecular Adlayer Impacts the Stability of Nanoparticle-on-Mirror Plasmonic Cavities. 2021 , 8, 1863-1872	4
774	Formation of extraordinary density alkanethiol self-assembled monolayers on surfaces of digitally photocorroded (001) GaAs/AlGaAs nanoheterostructures. 2021 , 118, 222102	O
773	Photocatalytic and thermolytic Attenuation iDegradation imechanisms of perfluoroalkylsilane self assembled on TiO2 nanoparticles. 2021 , 549, 149278	1
772	Rapid single-molecule detection of COVID-19 and MERS antigens via nanobody-functionalized organic electrochemical transistors. 2021 , 5, 666-677	78
771	The Beginner's Guide to Chiral Plasmonics: Mostly Harmless Theory and the Design of Large-Area Substrates. 2021 , 9, 2100378	16
770	A model study on controlling dealloying corrosion attack by lateral modification of surfactant inhibitors. 2021 , 5,	5
769	Fabrication of Biosensing Interface with Monolayers. 2021 , 37, 673-682	1
768	Study Of Mercaptobenzimidazoles As Inhibitors For Copper Corrosion: Down to the Molecular Scale. 2021 , 168, 051504	9
767	Fabrication of stimulus-responsive molecular layer comprising anthracene molecules. 2021 , 616, 126301	4
766	The ligand effect on the interface structures and electrocatalytic applications of atomically precise metal nanoclusters. 2021 , 32,	2
765	Strategies for Surface Immobilization of Whole Bacteriophages: A Review. 2021 , 7, 1987-2014	6
764	Selectivity in the Ligand Functionalization of Photocatalytic Metal Oxide Nanoparticles for Phase Transfer and Self-Assembly Applications. 2021 , 27, 9011-9021	6

763	Electrochemical determination of diethylstilbestrol in livestock and poultry meats by L-cysteine/gold nanoparticles modified electrode. 2021 , 164, 105952	4
762	Directional Raman scattering spectra of metalBulfur bonds at smooth gold and silver substrates. 2021 , 52, 1246-1255	3
761	KAT Ligation for Rapid and Facile Covalent Attachment of Biomolecules to Surfaces. 2021 , 13, 29113-29121	2
760	Nanoscale Dynamics of Self-Assembled Monolayers on a MHz-Oscillating SolidLiquid Interface Revealed by Direct Observation. 2021 , 125, 13629-13634	
759	Porous Honeycomb Self-Assembled Monolayers: Tripodal Adsorption and Hidden Chirality of Carboxylate Anchored Triptycenes on Ag. 2021 ,	7
758	Low-fouling properties in serum of carboxylic-oligo(ethylene glycol)-based interfaces. 2021 , 618, 126426	
757	SERS Amplification in Au/Si Asymmetric Dimer Array Coupled to Efficient Adsorption of Thiophenol Molecules. 2021 , 11,	3
756	Charge transport through molecular ensembles: Recent progress in molecular electronics. 2021 , 2, 021303	18
755	Universal Surface Coating with a Non-Phenolic Molecule, Sulfonated Pyrene. 2021 , 37, 7227-7236	2
754	Nanomechanical Characterization of Organic Surface Passivation Films on 50 nm Patterns during Area-Selective Deposition. 2021 , 3, 2622-2630	O
753	Recent Advances in Antifouling Materials for Surface Plasmon Resonance Biosensing in Clinical Diagnostics and Food Safety. 2021 , 13,	7
75²	Synthesis of Long-Chain Alkanoyl Benzenes by an Aluminum(III) Chloride-Catalyzed Destannylative Acylation Reaction. 2021 , 86, 9007-9022	2
75 ¹	Striped Poly(diacetylene) Monolayers Control Adsorption of Polyelectrolytes and Proteins on 2D Materials and Elastomers. 2021 , 4, 7037-7046	4
75°	Dithiol Self-Assembled Monolayer Based Electrochemical Surface Plasmon Resonance Optical Fiber Sensor for Selective Heavy Metal Ions Detection. 2021 , 39, 4034-4040	3
749	Nonspecific Binding-Fundamental Concepts and Consequences for Biosensing Applications. Chemical Reviews, 2021 , 121, 8095-8160 68.1	25
748	Ferrocenes as One-Electron Donors in Unimolecular Rectifiers.	
747	Advances in Solar Energy towards Efficient and Sustainable Energy. 2021 , 13, 6295	4
746	The evaluation of anchoring processes and chemical stability of zwitterionic molecules via local reactivity indexes. 2021 , 193, 110418	1

745	Translational Diffusion Dynamics in Divalent Metal-Phosphonate Monolayers. 2021, 37, 7573-7581	О
744	Underground hydrogen storage: Influencing parameters and future outlook. 2021 , 294, 102473	21
743	Biosensor Technologies for Early Detection and Quantification of Plant Pathogens. 2021, 9, 636245	11
742	Probing Selective Self-Assembly of Putrescine Oxidase with Controlled Orientation Using a Genetically Engineered Peptide Tag. 2021 , 37, 7536-7547	3
741	Elucidating the Mechanism of Condensation-Mediated Degradation of Organofunctional Silane Self-Assembled Monolayer Coatings. 2021 , 13, 34923-34934	10
740	Chain-Length Dependence of Optical Properties for an Alkanethiol Monolayer on an Ultrathin Gold Film Revealed via Reflected Light Microscopy. 2021 , 125, 14991-14999	O
739	Bridging Gaussian Density Fluctuations from Microscopic to Macroscopic Volumes: Applications to Non-Polar Solute Hydration Thermodynamics. 2021 , 125, 8152-8164	2
738	Peptide-Enabled Targeted Delivery Systems for Therapeutic Applications. 2021 , 9, 701504	3
737	Substrate Materials for Biomolecular Immobilization within Electrochemical Biosensors. 2021, 11,	2
736	Label-Free Electrochemical Test of Protease Interaction with a Peptide Substrate Modified Gold Electrode. 2021 , 9, 199	1
735	Continuous Injection Isothermal Titration Calorimetry for In Situ Evaluation of Thermodynamic Binding Properties of Ligand-Receptor Binding Models. 2021 , 125, 8075-8087	O
734	Comparative study of structural order, thermal desorption behavior, and work function change of self-assembled monolayers of pentafluorobenzenethiols and tetrafluorobenzenethiols on Au(1 1). 2021 , 555, 149671	8
733	Oligothiophene Phosphonic Acids for Self-Assembled Monolayer Field-Effect Transistors. 2021 , 13, 32461-3	2466
732	Nanoscale cooperative adsorption for materials control. 2021 , 12, 4287	6
731	Molecular Electronic Junctions Based on Self-Assembled Monolayers. 2021 , 301-343	
730	High-yield parallel fabrication of quantum-dot monolayer single-electron devices displaying Coulomb staircase, contacted by graphene. 2021 , 12, 4307	
729	Preparation of Ultrathin Gold Films with Subatomic Surface Roughness. 2021, 37, 9472-9477	2
728	Loading Linear Arrays of Cu Inside Aromatic Amide Helices. 2021 , 60, 18461-18466	1

7 2 7	Avoiding the Center-Symmetry Trap: Programmed Assembly of Dipolar Precursors into Porous, Crystalline Molecular Thin Films. 2021 , 33, e2103287	1
726	Interaction of M@Au12 nanocluster (M⊫ြAu, Ag, Pd, and Pt) with different forms of cysteine (uncharged, cationic, anionic, and zwitterion) via the Au-S bond. 2021 , 334, 116090	
725	Single-Molecule Electronic Devices. 2021 , 239-299	
724	Electrocatalytic Sensor for Hydrogen Peroxide Based on Immobilized Benzoquinone. 2021 , 33, 2062-2070	1
723	Enhancing electrocatalytic N2-to-NH3 fixation by suppressing hydrogen evolution with alkylthiols modified Fe3P nanoarrays. 1	28
722	Loading Linear Arrays of Cull Inside Aromatic Amide Helices. 2021 , 133, 18609-18614	O
721	Emerging Multimodel Zirconia Nanosystems for High-Performance Biomedical Applications. 2021 , 1, 2100039	8
720	Engineered tyrosinases with broadened bio-catalysis scope: immobilization using nanocarriers and applications. 2021 , 11, 365	2
719	Laboratory assessment on factors controlling the acoustic properties of carbonates: A case study from Bombay offshore. 2021 , 203, 108607	3
718	Spray coating vs. immersion for self-assembly of gemini perfluorinated phosphonic acids on indium tin oxide. 2021 , 732, 138783	2
717	Silicon Electrodes Functionalized with Perylene Bisimide #Aggregates for Redox-Controlled Stabilization of Semiconducting Nanointerfaces. 2021 , 4, 8813-8822	0
716	Production of Au/phosphonium polymer nanoparticles. 2021 , 156, 110599	1
715	Effect of Polymer Chain Length on the Superlattice Assembly of Functionalized Gold Nanoparticles. 2021 , 37, 10143-10149	3
714	High Stability Au NPs: From Design to Application in Nanomedicine. 2021 , 16, 6067-6094	5
713	Protein blocking inhibits ambient degradation of self-assembled monolayers for affinity biosensing. 2021 , 557, 149843	O
712	An electrochemical aptasensor based on AuPt alloy nanoparticles for ultrasensitive detection of amyloid-poligomers. 2021, 231, 122360	11
711	Enhancing oil recovery using silica nanoparticles: Nanoscale wettability alteration effects and implications for shale oil recovery. 2021 , 203, 108897	9
710	The density-of-States and equilibrium charge dynamics of redox-active switches. 2021 , 387, 138410	2

709	Cyano-Substituted Triptycene-Based Monolayers on Au(111): Tripodal Adsorption, Dipole Engineering, and Charge Transfer. 2021 , 125, 18968-18978	1
708	Nanoarchitectonics for Hierarchical Fullerene Nanomaterials. 2021, 11,	9
707	Molecular Conformation in Charge Tunneling across Large-Area Junctions. 2021 , 143, 13878-13886	1
706	Strain sensors fabricated by surface assembly of nanoparticles. 2021 , 186, 113268	5
705	Challenges for impedimetric affinity sensors targeting protein detection. 2021, 28, 100717	8
704	Dependence of clay wettability on gas density.	
703	Nanoporous Metallic Films.	
702	Recent progress of vibrational spectroscopic study on the interfacial structure of biomimetic membranes. 2021 , 49, 1-1	
701	Electrochemical properties of tethered lipid bilayers on thin film silver substrates. 2021 , 389, 138726	О
700	Perspective on Quantum Electrochemistry. A Simple Method for Measuring the Electron Transfer Rate Constant. 2021 , 139219	2
699	Odd-Even Effect in Peptide SAMs-Competition of Secondary Structure and Molecule-Substrate Interaction. 2021 , 125, 10964-10971	
698	-Fluoro-Thiol Reaction on Anchor Layers Grafted from an Aryldiazonium Salt: A Tool for Surface Functionalization with Thiols. 2021 , 37, 11397-11405	O
697	Hydrogen Atom Abstraction by Heterogeneous⊞omogeneous Hybrid Catalyst of CeO2 and 2-Cyanopyridine via Redox of CeO2 for C⊞ Bond Oxidation with Air. 2021 , 11, 11867-11872	1
696	A novel electrochemical aptasensor for exosomes determination and release based on specific host-guest interactions between cucurbit [7]uril and ferrocene. 2021 , 232, 122451	4
695	Validating the Mott Formula with Self-Assembled Monolayer (SAM)-Based Large-Area Junctions: Effect of Length, Backbone, Spacer, Substituent, and Electrode on the Thermopower of SAMs. 2021 , 125, 20035-20047	9
694	Lipids: An Atomic Toolkit for the Endless Frontier. 2021 , 15, 15429-15445	2
693	Elucidating the Mechanisms Underlying the Signal Drift of Electrochemical Aptamer-Based Sensors in Whole Blood. 2021 , 6, 3340-3347	10
692	A Phaseolus vulgaris Leukoagglutinin Biosensor as a Selective Device for the Detection of Cancer-associated N-glycans with Increased #->6 Branching.	

691	Effect of CO2 Flooding on the Wettability Evolution of Sand-Stone. 2021, 14, 5542	6
690	Fabrication and durability characterization of superhydrophobic and lubricant-infused surfaces. 2022 , 608, 662-672	3
689	Competition of ion-pair during the transition from hydrogen bonding to electrostatic interaction on self-assembled monolayer. 2021 , 139310	1
688	Growth of ordered two-dimensional cobalt phthalocyanine films on a one-dimensional substrate. 2021 , 119, 133105	
687	Thermal Stability of Alkanethiolate and Aromatic Thiolate Self-Assembled Monolayers on Au(111): An X-ray Photoelectron Spectroscopy Study.	3
686	Atom Probe Study of 1-Octadecanethiol Self-Assembled Monolayers on Platinum (111) and (200) Surfaces. 2021 , 1-10	O
685	Biphenyl substituted lysine derivatives as recognition elements for the matrix metalloproteinases MMP-2 and MMP-9. 2021 , 115, 105155	0
684	Chemical-recognition-driven selectivity of SnO2-nanowire-based gas sensors. 2021 , 40, 101265	3
683	Advancements for organic thin film transistors: Structures, materials, performance parameters, influencing factors, models, fabrication, reliability and applications. 2021 , 133, 105975	4
682	Assessment of CO2/shale interfacial tension. 2021 , 627, 127118	15
682 681	Assessment of CO2/shale interfacial tension. 2021, 627, 127118 Nanoscale Metal-Organic Frameworks: Recent developments in synthesis, modifications and bioimaging applications. 2021, 281, 130717	15
	Nanoscale Metal-Organic Frameworks: Recent developments in synthesis, modifications and	
681	Nanoscale Metal-Organic Frameworks: Recent developments in synthesis, modifications and bioimaging applications. 2021 , 281, 130717 Highly selective and sensitive sandwich immunosensor platform modified with MUA-capped GNPs for detection of spike Receptor Binding Domain protein: A precious marker of COVID 19 infection.	14
681 680	Nanoscale Metal-Organic Frameworks: Recent developments in synthesis, modifications and bioimaging applications. 2021 , 281, 130717 Highly selective and sensitive sandwich immunosensor platform modified with MUA-capped GNPs for detection of spike Receptor Binding Domain protein: A precious marker of COVID 19 infection. 2021 , 345, 130355 The adhesion of L-methionine amino acid through Dip Pen Nanolithography on silver thin films	14
681 680 679	Nanoscale Metal-Organic Frameworks: Recent developments in synthesis, modifications and bioimaging applications. 2021 , 281, 130717 Highly selective and sensitive sandwich immunosensor platform modified with MUA-capped GNPs for detection of spike Receptor Binding Domain protein: A precious marker of COVID 19 infection. 2021 , 345, 130355 The adhesion of L-methionine amino acid through Dip Pen Nanolithography on silver thin films grown by Molecular Beam Epitaxy technique. 2021 , 1244, 131247 Modulation of work function of ITO by self-assembled monolayer and its effect on device	14 15 0
681 680 679 678	Nanoscale Metal-Organic Frameworks: Recent developments in synthesis, modifications and bioimaging applications. 2021, 281, 130717 Highly selective and sensitive sandwich immunosensor platform modified with MUA-capped GNPs for detection of spike Receptor Binding Domain protein: A precious marker of COVID 19 infection. 2021, 345, 130355 The adhesion of L-methionine amino acid through Dip Pen Nanolithography on silver thin films grown by Molecular Beam Epitaxy technique. 2021, 1244, 131247 Modulation of work function of ITO by self-assembled monolayer and its effect on device characteristics of inverted perovskite solar cells. 2021, 98, 106297	14 15 0
681 680 679 678	Nanoscale Metal-Organic Frameworks: Recent developments in synthesis, modifications and bioimaging applications. 2021, 281, 130717 Highly selective and sensitive sandwich immunosensor platform modified with MUA-capped GNPs for detection of spike Receptor Binding Domain protein: A precious marker of COVID 19 infection. 2021, 345, 130355 The adhesion of L-methionine amino acid through Dip Pen Nanolithography on silver thin films grown by Molecular Beam Epitaxy technique. 2021, 1244, 131247 Modulation of work function of ITO by self-assembled monolayer and its effect on device characteristics of inverted perovskite solar cells. 2021, 98, 106297 Meso-scale surface patterning of self-assembled monolayers with water. 2021, 628, 127353 Click chemistry: An efficient tool to control the functionalization of metallic surfaces with alkyl	14 15 0 2

(2021-2021)

673	Anti-fouling peptide functionalization of ultraflexible neural probes for long-term neural activity recordings in the brain. 2021 , 192, 113477	2
672	Development of an electrochemical sensor for nitric oxide based on carbon paste electrode modified with Nafion, gold nanoparticles and graphene nanoribbons. 2021 , 346, 130532	5
671	A novel enhanced enrichment glucose oxidase@ZIF-8 biomimetic strategy with 3-mercaptophenylboronic acid for highly efficient catalysis of glucose. 2021 , 208, 112034	3
670	Reduction of leakage current in amorphous Oxide-Semiconductor Top-gated thin film transistors by interface engineering with dipolar Self-Assembled monolayers. 2021 , 569, 151029	3
669	Covalent attachment of three derivatives of pegylated RGD peptides on the NH2-terminated silicon surfaces: Impact on fibroblast cell behavior. 2021 , 1863, 183770	
668	Hydrogen wettability of quartz substrates exposed to organic acids; Implications for hydrogen geo-storage in sandstone reservoirs. 2021 , 207, 109081	26
667	Convenient preparation of stimulus-responsive molecular layers containing anthracene molecules to control surface properties. 2021 , 630, 127547	1
666	Western Australia basalt-CO-brine wettability at geo-storage conditions. 2021 , 603, 165-171	18
665	Wavelength modulation based surface plasmon resonance sensor for detection of cardiac marker proteins troponin I and troponin T. 2021 , 332, 113104	4
664	Delivery of therapeutic oligonucleotides in nanoscale. 2022 , 7, 292-323	7
663	Effects of cleaning process using toluene and acetone on water-wet-quartz/CO2 and oil-wet-quartz/CO2 wettability. 2022 , 208, 109555	3
662	Thiolate end-group regulates ligand arrangement, hydration and affinity for small compounds in monolayer-protected gold nanoparticles. 2022 , 607, 1373-1381	Ο
661	Nanocosmeceuticals: Novel and Advanced Self-Care Materials. 2021 , 1-26	
660	HPLC-Based Automated Oligosaccharide Synthesis. 2021 , 623-636	Ο
659	A PEGDA hydrogel nanocomposite to improve gold nanoparticles stability for novel plasmonic sensing platforms. 2021 , 129, 033101	11
658	Metallic nanoparticles in drug delivery and cancer treatment. 2021 , 107-119	2
657	A near-infrared fluorogenic probe for nuclear thiophenol detection. 2021 , 57, 2800-2803	4
656	Nanotechnological immunoassay for rapid label-free analysis of candidate malaria vaccines. 2021 , 13, 2338-2349	3

655	Surface properties modulate protein corona formation and determine cellular uptake and cytotoxicity of silver nanoparticles. 2021 , 13, 14119-14129	3
654	Electron-Equivalent Valency through Molecularly Well-Defined Multivalent DNA. 2021 , 143, 1752-1757	5
653	Molecular configuration-mediated thermo-responsiveness in oligo(ethylene glycol) derivatives attached on gold nanoparticles. 2021 , 3, 3762-3769	2
652	Artificial Photosynthesis: Is Computation Ready for the Challenge Ahead?. 2021 , 11,	2
651	Leveraging the Assembly of a Rylene Dye to Tune the Semiconducting Properties of Functionalized n-Type, Hybrid Si Interfaces. 2021 , 13, 4665-4675	3
650	Building ordered nanoparticle assemblies inspired by atomic epitaxy. 2021 , 23, 20028-20037	О
649	Photoacoustics for listening to metal nanoparticle super-aggregates. 2021 , 3, 4692-4701	5
648	Predicting ligand removal energetics in thiolate-protected nanoclusters from molecular complexes. 2021 , 13, 2034-2043	4
647	Energy-Selective Decomposition of Organometallic Compounds by Slow Electrons: The Case of Chloro(dimethyl sulfide)gold(I). 2021 , 125, 966-972	1
646	Bioinspired dopamine and zwitterionic polymers for non-fouling surface engineering. 2021 , 50, 11668-11683	22
645	One Nanometer Wide Functional Patterns with a Sub-10 Nanometer Pitch Transferred to an Amorphous Elastomeric Material. 2021 , 15, 1426-1435	6
644	Alkylthiol surface engineering: an effective strategy toward enhanced electrocatalytic N2-to-NH3 fixation by a CoP nanoarray. 2021 , 9, 13861-13866	45
643	Gold nanoparticle-mediated non-covalent functionalization of graphene for field-effect transistors. 2021 , 3, 1404-1412	3
642	Selective colorimetric sensing of sub-nanomolar Hg based on its significantly enhancing peroxidase mimics of silver/copper nanoclusters. 2021 , 146, 4630-4635	12
641	Introduction. 1-10	2
640	Carbohydrate-Presenting Self-Assembled Monolayers. 1-51	1
639	Carbohydrate Nanotechnology and its Application to Biosensor Development. 387-421	2

(2009-2021)

637	Toward Printed Molecular Electronics: Direct Printing of Liquid Metal Microelectrode on Self-Assembled Monolayers. 2021 , 7, 2000829	3
636	Self-Assembled Monolayers of Alkanethioacetates on Au(111) in Ammonium Hydroxide Solution. 2021 , 42, 252-257	1
635	eSensor A Microarray Technology Based on Electrochemical Detection of Nucleic Acids and Its Application to Cystic Fibrosis Carrier Screening. 2009 , 247-260	2
634	Main Concepts of Chemical and Biological Sensing. 2009 , 25-60	1
633	Probing the Energy Landscape of Protein-Binding Reactions by Dynamic Force Spectroscopy. 2009 , 407	5
632	Anisotropically Conductive Adhesives/Films (ACA/ACF). 2010 , 227-278	2
631	QUANTUM DOT BIO-TEMPLATE FOR RAPID DETECTION OF PATHOGENIC SUBSTANCES. 2006 , 159-173	1
630	Specimen Preparation. 2012 , 71-110	4
629	Optical Tweezers-Based Measurements of Forces and Dynamics at Microtubule Ends. 2017 , 1486, 411-435	2
628	Spatial Control of Biological Ligands on Surfaces Applied to T Cell Activation. 2017, 1584, 307-331	3
627	Label-Free Nanoplasmonic Biosensing of Cancer Biomarkers for Clinical Diagnosis. 2019 , 2027, 115-140	1
626	Electrical Manipulation of DNA on Metal Surfaces. 2008 , 187-214	1
625	Microcontact printing. 2011 , 671, 239-48	3
624	Progress report on microstructured surfaces based on chemical vapor deposition. 2011, 671, 261-79	1
623	The Electrochemistry of Peptide Self-Assembled Monolayers. 2016 , 503-560	2
622	Modification of Electrode Interfaces with Nanosized Materials for Electronic Applications. 2017 , 399-416	2
621	Self-Assembled Monolayers on Aluminum and Copper Oxide Surfaces: Surface and Interface Characteristics, Nanotribological Properties, and Chemical Stability. 2008 , 235-281	20
620	Organometallic Nanojunctions Probed by Different Chemistries: Thermo-, Photo-, and Mechano-Chemistry. 2009 , 219-235	7

619	SAMs of 11-MUA grown on polycrystalline Au-foils by physical vapor deposition in UHV. 2009 , 107-112	1
618	Surface Modification Using Reactive Landing of Mass-Selected Ions. 2009 , 37-65	9
617	Surface Tension-Driven Self-Assembly. 2013 , 227-253	3
616	Grafting Kinetics of Polymer Chains. 2013 , 33-44	1
615	Coupling Spectroscopic Ellipsometry and Quartz Crystal Microbalance to Study Organic Films at the Solid-Liquid Interface. 2014 , 223-248	10
614	Thin Film Biosensors. 2013 , 265-300	5
613	Electrochemical Detection of 2,4,6-Trinitrotoluene at Colloidal Gold Nanoparticle Film Assemblies. 2015 , 147-160	1
612	Thin films on silicon. 2020 , 133-213	1
611	Modification of surfaces of silver nanoparticles for controlled deposition of silicon, manganese, and titanium dioxides. 2018 , 427, 334-339	10
610	Carbon dioxide wettability of South West Hub sandstone, Western Australia: Implications for carbon geo-storage. 2020 , 98, 103064	16
609	Composite Structured Surfaces for Durable Dropwise Condensation. 2020 , 156, 119890	15
608	Metal Nanocrystals. 2020,	1
607	Homogeneous Dispersion of Aromatic Thiolates in the Binary Self-Assembled Monolayer on Au(111) via Displacement Revealed by Tip-Enhanced Raman Spectroscopy. 2020 , 124, 13141-13149	8
606	Electron-Induced Modification of Self-Assembled Monolayers of Aromatic Carboxylic Acids. 2020 , 124, 25107-25120	2
605	Thermotriggered Catalyst-Free Modification of a Glass Surface with an Orthogonal Agent Possessing Nitrile N-Oxide and Masked Ketene Functions. 2016 , 32, 309-15	15
604	Unoccupied Interface and Molecular States in Thiol and Dithiol Monolayers. 2017 , 33, 12056-12064	12
603	Exposure of biosynthesized nanoscale ZnO to Brassica juncea crop plant: morphological, biochemical and molecular aspects. 2020 , 10, 8531	23
602	Chapter 6:Surface Chemistry in SPR Technology. 171-254	3

(2015-2013)

601	CHAPTER 4:ThiolThiosulfonate Chemistry in Polymer Science: Simple Functionalization of Polymers via Disulfide Linkages. 2013 , 76-94	1
600	CHAPTER 1:Biosensor Technology and the Clinical Biochemistry Laboratory Ilssue of Signal Interference from the Biological Matrix. 2013 , 1-34	4
599	Highly selective sensor for the detection of Hg ions using homocysteine functionalised quartz crystal microbalance with cross-linked pyridinedicarboxylic acid. 2020 , 14, 563-573	6
598	Characterisation of a bis-ferrocene molecular QCA wire on a non-ideal gold surface. 2019 , 14, 22-27	8
597	Wettability measurements on two sandstones: an experimental investigation before and after CO2 flooding. 2020 , 60, 117	1
596	A synergistic antibacterial platform: combining mechanical and photothermal effects based on Van-MoS-Au nanocomposites. 2021 , 32, 085102	3
595	Experimental and Computational Investigation of the Structure of Peptide Monolayers on Gold Nanoparticles.	1
594	Area-selective atomic layer deposition of dielectric-on-dielectric for Cu/low-k dielectric patterns. 2019 ,	3
593	Adsorption of 2-thiobarbituric acid at the electrochemical interface: Contrasted behaviours on mercury and gold. 2009 , 74, 1583-1597	0
592	Controlled Formation of Nanostructures with Desired Geometries. 2009 , 937-954	1
592 591	Controlled Formation of Nanostructures with Desired Geometries. 2009 , 937-954 Biodetoxification of Water Contaminated by OP Using the PTE. 2012 , 80-83	1
591	Biodetoxification of Water Contaminated by OP Using the PTE. 2012 , 80-83	1
591 590	Biodetoxification of Water Contaminated by OP Using the PTE. 2012 , 80-83 Self-Assembled Monolayers. 2013 , 3-29	1
591 590 589	Biodetoxification of Water Contaminated by OP Using the PTE. 2012, 80-83 Self-Assembled Monolayers. 2013, 3-29 Electrical Double-Layer Effects on Electron Transfer and Ion Transport at the Nanoscale. 2015, 44-87 Microcantilever biosensor: sensing platform, surface characterization and multiscale modeling.	1 2
591 590 589 588	Biodetoxification of Water Contaminated by OP Using the PTE. 2012, 80-83 Self-Assembled Monolayers. 2013, 3-29 Electrical Double-Layer Effects on Electron Transfer and Ion Transport at the Nanoscale. 2015, 44-87 Microcantilever biosensor: sensing platform, surface characterization and multiscale modeling. 2011, 8, 17-37 Ultrasensitive THz biosensor for PCR-free cDNA detection based on frequency selective surfaces.	1 1 2
591 590 589 588 587	Biodetoxification of Water Contaminated by OP Using the PTE. 2012, 80-83 Self-Assembled Monolayers. 2013, 3-29 Electrical Double-Layer Effects on Electron Transfer and Ion Transport at the Nanoscale. 2015, 44-87 Microcantilever biosensor: sensing platform, surface characterization and multiscale modeling. 2011, 8, 17-37 Ultrasensitive THz biosensor for PCR-free cDNA detection based on frequency selective surfaces. 2020, 11, 448-460 Complex refractive index measurement for atomic-layer materials via surface plasmon resonance	1 1 2 4

583	Force Curve Measurements between n-Decanethiol Self-Assembled Monolayers in Inert Solvent and in Electrochemical Environment. 2009 , 7, 731-736	2
582	Adsorption Processes of Thiolated Cyclodextrins on Au(111) Substrates: A Way to Organize Ordered Structures of "Bulky" Molecules on Solid Substrates. 2008 , 29, 495-497	1
581	Detection of Surfactants Using Surface Plasmon Resonance Sensor for Screening of Pesticide Residue. 2013 , 133, 14-19	1
580	The Effects of Titanium Implant Surface Topography on Osseointegration: Literature Review. 2019 , 4, e13237	6
579	Importance of Nano Medicine and New Drug Therapies for Cancer. 2021 , 11, 450-457	4
578	Synthesis, electronic properties and self-assembly on Au{111} of thiolated (oligo)phenothiazines. 2010 , 6,	12
577	Advanced drug delivery via self-assembled monolayer-coated nanoparticles. 2017 , 4, 275-299	14
576	Hydrophilic surfaces via the self-assembly of nitrile-terminated alkanethiols on gold. 2018 , 5, 171-189	2
575	Introduction of Heteroarene Functionality on the Bipedal-Thiol-Capped Gold Nanoparticle by Deprotonative C-H Coupling with Palladium Complex. 2014 , 88, 213	2
574	Functional Polymeric Coatings. 2016 , 78-104	3
574 573	Functional Polymeric Coatings. 2016, 78-104 Surface Modification Techniques for Zirconia-Based Bioceramics: A Review. 2019, 11, S131-S134	15
573	Surface Modification Techniques for Zirconia-Based Bioceramics: A Review. 2019 , 11, S131-S134 Synergistic Effect of Fullerene-Capped Gold Nanoparticles on Graphene Electrochemical	15
573 572	Surface Modification Techniques for Zirconia-Based Bioceramics: A Review. 2019 , 11, S131-S134 Synergistic Effect of Fullerene-Capped Gold Nanoparticles on Graphene Electrochemical Supercapacitors. 2013 , 02, 1-5	15 20
573 572 571	Surface Modification Techniques for Zirconia-Based Bioceramics: A Review. 2019 , 11, S131-S134 Synergistic Effect of Fullerene-Capped Gold Nanoparticles on Graphene Electrochemical Supercapacitors. 2013 , 02, 1-5 Self-Assembled Monolayers (SAMs): Which Perspectives in Implant Dentistry?. 2011 , 02, 533-543	15 20 18
573 572 571 570	Surface Modification Techniques for Zirconia-Based Bioceramics: A Review. 2019, 11, S131-S134 Synergistic Effect of Fullerene-Capped Gold Nanoparticles on Graphene Electrochemical Supercapacitors. 2013, 02, 1-5 Self-Assembled Monolayers (SAMs): Which Perspectives in Implant Dentistry?. 2011, 02, 533-543 Front-side Texturing of Crystalline Silicon Solar Cell by Micro-contact Printing. 2013, 26, 841-845 Structure and Electrochemical Behavior of Aromatic Thiol Self-Assembled Monolayers on Au(111).	15 20 18
573 572 571 570 569	Surface Modification Techniques for Zirconia-Based Bioceramics: A Review. 2019, 11, S131-S134 Synergistic Effect of Fullerene-Capped Gold Nanoparticles on Graphene Electrochemical Supercapacitors. 2013, 02, 1-5 Self-Assembled Monolayers (SAMs): Which Perspectives in Implant Dentistry?. 2011, 02, 533-543 Front-side Texturing of Crystalline Silicon Solar Cell by Micro-contact Printing. 2013, 26, 841-845 Structure and Electrochemical Behavior of Aromatic Thiol Self-Assembled Monolayers on Au(111). 2006, 27, 403-406	15 20 18 1

565	Self-Assembled Monolayers of Dioctyl Diselenides on Au(111). 2008, 29, 1229-1232	10
564	pH-Dependent Stability of Self-Assembled Monolayers on Gold. 2008 , 29, 1843-1846	26
563	1,n-Alkanedithiol (n = 2, 4, 6, 8, 10) Self-Assembled Monolayers on Au(111): Electrochemical and Theoretical Approach. 2009 , 30, 2549-2554	8
562	Formation and Structure of Self-Assembled Monolayers of Octylthioacetates on Au(111) in Catalytic Tetrabutylammonium Cyanide Solution. 2009 , 30, 441-444	13
561	Influence of Surface Funcitionalities of Self-Assembled Monolayers on the Adsorption of Gold Nanoparticles. 2009 , 30, 999-1000	3
560	Comparative Study of Tetrahydrothiophene and Thiophene Self Assembled Monolayers on Au(111): Structure and Molecular Orientation. 2009 , 30, 1755-1759	7
559	Heterogeneous Electron Transfer at Polyoxometalate-modified Electrode Surfaces. 2010 , 31, 104-111	4
558	Preparation of Gold Nanoisland Arrays from Layer-by-Layer Assembled Nanoparticle Multilayer Films. 2010 , 31, 291-297	5
557	Coexistence of Closely Packed c(4 \square) and Striped Phases in Self-Assembled Monolayers of Decylthiocyanates on Au(111). 2010 , 31, 901-904	3
556	Electrochemical Properties of Alkanethiol Monolayers Adsorbed on Nanoporous Au Surfaces. 2010 , 31, 3407-3410	10
555	Effects of Solvent on the Structure of Octanethiol Self-Assembled Monolayers on Au(111) at a High Solution Temperature. 2010 , 31, 2137-2138	11
554	Direct Adsorption and Molecular Self-Assembly of Octylthioacetates on Au(111) in the Vapor Phase. 2011 , 32, 39-40	8
553	The Characteristic Self-assembly of Gold Nanoparticles over Indium Tin Oxide (ITO) Substrate. 2011 , 32, 1133-1137	1
552	Surface Structures and Thermal Desorption Behaviors of Cyclopentanethiol Self-Assembled Monolayers on Au(111). 2011 , 32, 1253-1257	6
551	Phase Transition of Octaneselenolate Self-assembled Monolayers on Au(111) Studied by Scanning Tunneling Microscopy. 2011 , 32, 2623-2627	7
550	Large-Ordered Striped Phase of Didodecyl Sulfide Self-Assembled Monolayers on Au(111). 2012 , 33, 381-382	3
549	Improved Structural Quality of Aromatic Thiol Self-Assembled Monolayers on Au(111) by Microwave Irradiation. 2012 , 33, 2479-2480	3
548	Direct, Noncovalent Coating of a Gold Surface with Polymeric Self-Assembled Monolayers. 2013 , 34, 3541-3542	1

547	Nanoscale Islands of the Self Assembled Monolayer of Alkanethiol. 2013, 34, 3790-3794	6
546	Influence of Thiol Molecular Backbone Structure on the Formation and Reductive Desorption of Self-Assembled Aromatic and Alicyclic Thiol Monolayers on Au(111) Surface. 2013 , 34, 1383-1387	10
545	The Thioacetate-Functionalized Self-Assembled Monolayers on Au: Toward High-Performance Ion-Selective Electrode for Ag+. 2014 , 35, 601-604	1
544	Palladium Material Supported on GaAs(001) or Gold for Drug Development. 2010 , 68, 920-929	2
543	Development of Supramolecular Sensor Devices Based on Organic Transistors. 2018 , 76, 1086-1097	1
542	Monitoring human serum albumin cell cultures using surface plasmon resonance (SPR) spectroscopy. 2015 , 4, 77-83	6
541	Inorganic nanomaterial-based biocatalysts. 2011 , 44, 77-86	28
540	Polymer brush: a promising grafting approach to scaffolds for tissue engineering. 2016 , 49, 655-661	17
539	2.?????????. 2015 , 83, 1085-1090	1
538	Racemic Dimers as Models of Chiral Macrocycles Self-Assembled on Pyrolytic Graphite.	
537	Collision, Adhesion, and Oxidation of Single Ag Nanoparticles on a Polysulfide-Modified Microelectrode. 2021 , 143, 16154-16162	4
536	Application of Gold Nanoparticle-Based Materials in Cancer Therapy and Diagnostics. 2021 , 5, 69	
		4
535	Amine-Anchored Aromatic Self-Assembled Monolayer Junction: Structure and Electric Transport Properties. 2021 , 37, 12223-12233	4
535		0
	Properties. 2021 , 37, 12223-12233 Probing IgG1 F-Multimodal Nanoparticle Interactions: A Combined Nuclear Magnetic Resonance	
534	Properties. 2021, 37, 12223-12233 Probing IgG1 F-Multimodal Nanoparticle Interactions: A Combined Nuclear Magnetic Resonance and Molecular Dynamics Simulations Approach. 2021, 37, 12188-12203 Molecular Level Structural Characterization of Self-Assembled Monolayers of Functionalized	
534 533	Properties. 2021, 37, 12223-12233 Probing IgG1 F-Multimodal Nanoparticle Interactions: A Combined Nuclear Magnetic Resonance and Molecular Dynamics Simulations Approach. 2021, 37, 12188-12203 Molecular Level Structural Characterization of Self-Assembled Monolayers of Functionalized Bidentate Aromatic Thiols.	O

529	Octopus-Type Crown-Bisphthalocyaninate Anchor for Bottom-Up Assembly of Supramolecular Bilayers with Expanded Redox-Switching Capability. 2021 , e2104306	1
528	Synthesis and evaluation of novel O-functionalized aminated chitosan derivatives as antibacterial, antioxidant and anticorrosion for 316L stainless steel in simulated body fluid. 2021 , 25, 101368	2
527	Influence of organic molecules on wetting characteristics of mica/H/brine systems: Implications for hydrogen structural trapping capacities. 2021 , 608, 1739-1749	17
526	Bombesin Peptide Conjugated Water-Soluble Chitosan Gallate-A New Nanopharmaceutical Architecture for the Rapid One-Pot Synthesis of Prostate Tumor Targeted Gold Nanoparticles. 2021 , 16, 6957-6981	3
525	Nanozyme Catalytic Turnover and Self-Limited Reactions. 2021 , 15, 15645-15655	16
524	Organic compound modification of CeO2 and 2-cyanopyridine hybrid catalyst in carbonate synthesis from CO2 and alcohols. 2021 , 54, 101744	2
523	EC-STM?????????. 2005 , 73, 916-920	1
522	Methods of phosphor synthesis and related technology. 2006 ,	
521	STM Studies on Molecular Assembly at Solid/Liquid Interfaces. 2007, 65-100	
520	Photoreactive self assembled monolayers for tuning the surface polarity. 2009 , 113-117	
519	Harmonical oscillator and electro-mechanical analogy: an interdiscinary experiment to high precision mass variation measurements. 2009 , 34, 57-75	
519 518		
	precision mass variation measurements. 2009 , 34, 57-75 The Fluorescence Study of the Induced Adsorption Orientation of Biphenyl Derivatives on Au	
518	The Fluorescence Study of the Induced Adsorption Orientation of Biphenyl Derivatives on Au Colloidal Surface. 2009, 30, 1637-1640 The Fluorescence Study on the Inducing Orientation of 4-Biphenyl Acetonitrile Adsorbed on Metal	
518 517	precision mass variation measurements. 2009 , 34, 57-75 The Fluorescence Study of the Induced Adsorption Orientation of Biphenyl Derivatives on Au Colloidal Surface. 2009 , 30, 1637-1640 The Fluorescence Study on the Inducing Orientation of 4-Biphenyl Acetonitrile Adsorbed on Metal Colloids. 2009 , 53, 399-406	
518517516	precision mass variation measurements. 2009, 34, 57-75 The Fluorescence Study of the Induced Adsorption Orientation of Biphenyl Derivatives on Au Colloidal Surface. 2009, 30, 1637-1640 The Fluorescence Study on the Inducing Orientation of 4-Biphenyl Acetonitrile Adsorbed on Metal Colloids. 2009, 53, 399-406 Electrochemical surface processes. 2010, 195-206	
518517516515	precision mass variation measurements. 2009, 34, 57-75 The Fluorescence Study of the Induced Adsorption Orientation of Biphenyl Derivatives on Au Colloidal Surface. 2009, 30, 1637-1640 The Fluorescence Study on the Inducing Orientation of 4-Biphenyl Acetonitrile Adsorbed on Metal Colloids. 2009, 53, 399-406 Electrochemical surface processes. 2010, 195-206 Appendix 1. 701-706	

Scanning Probe Microscopy as a Tool for the Fabrication of Structured Surfaces. 49 511 Want to Get High Purity Organic Crystals?. 2011, 32, 39-44 Metallic Nanoparticles: Biological Perspective. 2011, 285-298 509 Fabrication of dynamic self-assembled monolayers for cell migration and adhesion studies. 2011, 508 751, 421-36 Biomaterial Fabrication by Glycoconjugates. 2011, 48, 124-131 507 Case Study on Construction of Platinum Nanoparticle Stabilized with Decanethiol into Silica 506 Substrate. 2011, 6, 204-207 Temperature Dependence of Molecular Packing in Self-Assembled Monolayer Films. 2011, 103-118 505 Self-Assembly of Dendrimers in Layers. 313-359 504 Structures of Butylthiolate Self-Assembled Monolayers on Au(111) with Gold Adatoms. 2011, 32, 3614-3617 503 Oligosaccharides and Glycoco njugates in Reco gnition Processes. 2011, 502 Tailored Synthetic Surfaces to Control Human Pluripotent Stem Cell Self-Renewal. 2012, 155-165 501 Dynamics of collisions of hydroxyl radicals with fluorinated self-assembled monolayers. 2012, 79-90 500 State-of-the-art Plating Technologies: Processes and Perspective. 2012, 78, 1021-1024 499 Encyclopedia of Sustainability Science and Technology. 2012, 1646-1661 498 The Use of Peptide Nucleic Acids in Surface Plasmon Resonance for Detection of Red Tide Algae. 497 2012, 135-150 496 Introduction. **2012**, 1-11 Fabrication of Functional Soft Interfaces Using Polymer-Binding Peptides. 2012, 33, 21-26 495 Theoretical investigation of molecular excited states in polar organic monolayers via an efficient 494 embedding approach. **2013**, 121-128

(2014-2013)

493	On the kinetics and thermodynamics of SM (X = H, CH3, SCH3, COCH3, and CN) cleavage in the formation of self-assembled monolayers of alkylthiols on Au(111). 2013 , 99-109
492	Synthesis of Novel Copolymer for Selective Biomolecule Immobilization on Gold Surface. 2012 , 33, 2099-2101
491	Batch Electrochemical Cell Results. 2012 , 99-107
490	Tip-Induced Modification of Polyoxometalate-Dodecane Thiol Self-Assembled Monolayers on Au(111) during Scanning Tunneling Microscopy Imaging. 2012 , 33, 3139-3141
489	Stabilizing gold nanoparticle bioconjugates in physiological conditions by PEGylation. 2013, 1025, 281-9
488	Theoretical study of adsorption of propanethiol on Au(111) surface at different coverages. 2013 , 62, 223101
487	Nanotribology and Wettability of Molecularly Thin Film. 2013, 81-110
486	Immunosensors: Using Antibodies to Develop Biosensors for Detecting Pathogens and Their Toxins. 2013 , 1-19
485	Sub-wavelength patterning of self-assembled organic monolayers via non-collinear optical parametric amplifier. 2013 ,
484	Results and Discussion. 2013 , 43-103
483	CHAPTER 1:Introduction to Biosensor Technology. 2013 , 1-49
482	Effects of Sorption. 2013 , 115-127
481	Identification and Application of Polymer-Binding Peptides. 417-433
480	Metal-Based Nanostructures. 2014 , 73-91
479	Physical Chemistry of Nonfouling Oligo (Ethylene Oxide)-Terminated Self-Assembled Monolayers. 2013 , 59-98
478	Monolayers. 2014 , 105-137
477	Stratified Interpolyelectrolyte Complexes: Fabrication, Structure and Properties. 2014 , 299-347

475	Au nanoinjectors for electrotriggered gene delivery into the cell nucleus. 2015 , 1228, 55-65
474	Effect of Surface Roughness on the Formation of Micro-Patterns by Soft Lithography. 2014 , 27, 871-876
473	Self-Organized Nano- and Micro-structure of Electrochemical Materials by Design of Fabrication Approaches. 2015 , 1-20
472	Layer-by-Layer Technology and Its Implications in the Field of Glucose Nanobiosensors. 2015, 400-437
471	Immunosensors: Using Antibodies to Develop Biosensors for Detecting Pathogens and Their Toxins. 2015 , 273-294
470	Analysis of microscopic images. 2015 , 95-114
469	The Electrochemistry of Peptide Self-Assembled Monolayers. 2015 , 1-48
468	Encyclopedia of Nanotechnology. 2015 , 1-8
467	CHAPTER 8. Anchoring Metallosupramolecular Materials on Solid Substrates: Specific SurfaceMolecule Interactions and Self-Assembly. 2015 , 246-268
466	Chapter 2:Development of Microelectrode-based Biosensors for Biomedical Analysis. 2015 , 19-84
465	Biosensors. 391-426
464	Self-Organized Nano- and Microstructure of Electrochemical Materials by Design of Fabrication Approaches. 2016 , 1033-1056
463	Bibliography. 2015 , 235-263
462	Verg., Ecl. X 64-68 e la fine delle Bucoliche. 2015 , 83, 289-307
461	Plasmonic Methods for the Study of Carbohydrate Interactions. 53-77
460	Synthesis of Functional Materials for Bone Regeneration. 2016 , 4010-4017
459	Encyclopedia of Nanotechnology. 2016 , 3606-3618
458	Cluster Origin of Solvation Features of C-Nanostructures in Organic Solvents. 2016 , 189-293

457	Chapter 5:Chemisorbed Layers at Interfaces. 2016 , 252-302	
456	Mikro-Nano-Integration. 2016 , 117-126	
455	A Microfluidic Electrochemical Sensor for Detecting the Very Low Concentration Endocrine Disruptor with Self Assembled Monolayer and Preconcentration Technique. 2016 , 65, 628-634	
454	Engineering of Bioactive Surfaces. 2016 , 69-94	
453	Chapter 5 Plasmonic Enhancement. 2016 , 225-286	
452	Assemblies and Superstructures of Inorganic Colloidal Nanocrystals. 2017 , 293-335	
451	CHAPTER 8:Redox-active Immobilized Ionic Liquids and Polymer Ionic Liquids. 2017, 225-261	
450	Functional Polymeric Coatings. 2017 , 648-674	
449	Effects of size and ligand density on the chirality transfer from chiral-ligand-capped nanoparticles to nematic liquid crystals. 2017 ,	
448	Biobased Lubricant Additives. 2017 , 401-463	1
447	Methods for the High Resolution Analysis of Glycoconjugates. 2018 , 225-267	
447	Methods for the High Resolution Analysis of Glycoconjugates. 2018 , 225-267 Technologien und Materialien f⊞mikrofluidische Systeme. 2018 , 57-76	
446	Technologien und Materialien filmikrofluidische Systeme. 2018 , 57-76 Including London Dispersion Forces in Density Functional Theory (DFT + D): Applications to	0
446	Technologien und Materialien f⊞mikrofluidische Systeme. 2018, 57-76 Including London Dispersion Forces in Density Functional Theory (DFT + D): Applications to Molecule(Atom)/Surface Phenomena. 2018, 1-9	O
446 445 444	Technologien und Materialien filmikrofluidische Systeme. 2018, 57-76 Including London Dispersion Forces in Density Functional Theory (DFT + D): Applications to Molecule(Atom)/Surface Phenomena. 2018, 1-9 IMPROVING THE SHEET RESISTANCE OF CVD-GRAPHENE FILMS VIA DOPING. 1-1 Preparation of Element-Block Materials Using Inorganic Nanostructures and Their Applications.	O
446 445 444 443	Technologien und Materialien filmikrofluidische Systeme. 2018, 57-76 Including London Dispersion Forces in Density Functional Theory (DFT + D): Applications to Molecule(Atom)/Surface Phenomena. 2018, 1-9 IMPROVING THE SHEET RESISTANCE OF CVD-GRAPHENE FILMS VIA DOPING. 1-1 Preparation of Element-Block Materials Using Inorganic Nanostructures and Their Applications. 2019, 219-241	0

Nanopatterned Thermoresponsive Functionalization of Substrates via Nanosphere Lithography.

438	Stability of a phosphonic acid monolayer on aluminum in liquid environments. 2020 , 59, SDDA08	
437	Surface Functionalization of Nanoparticles for Stability in Biological Systems. 2021 , 129-166	1
436	Surface Modification Strategies to Control the Nanomaterial Microbe Interplay. 2021, 93-127	
435	Influence of Structural Dynamics on the Kinetics of Atomic Hydrogen Reactivity with Low-Temperature Alkanethiolate Self-Assembled Monolayers.	
434	Biofunctionalisation of gallium arsenide with neutravidin. 2021 , 608, 2399-2399	O
433	In vivo application of an implantable tri-anchored methylene blue-based electrochemical pH sensor. 2022 , 197, 113728	1
432	Different interactions of gaseous CH3I with both Ag nanoparticles and Ag+ ions included in mercaptopropyl functionalized silica gels. 2021 , 45, 100541	1
431	MoS2 FET fabrication using adhesion lithography and their application to chemical sensors. 2021 , 60, 016504	0
430	Tetrahydrofuran Highly Enhances SAMDI Efficiency. 2021 , 42, 369-371	
429	Design and synthesis of gold nanostars-based SERS nanotags for bioimaging applications 2022 , 6, 10-30	11
428	Formation and superlattice of long-range and highly ordered alicyclic selenolate monolayers on Au(1 1 1) studied by scanning tunneling microscopy. 2022 , 572, 151454	1
427	Unravelling molecular disorder at SAM-functionalized charge injection interfaces in organic field-effect transistors. 2022 , 100, 106360	О
426	Energetic Ground State Calculations, Electronic Band Structure at Surfaces. 2020 , 471-498	
425	Spatially Resolved Surface Vibrational Spectroscopies. 2020 , 815-852	О
424	Silicon - single molecule - silicon circuits 2021 , 12, 15870-15881	1
423	Imprinting chirality in inorganic nanomaterials for optoelectronic and bio-applications: strategies, challenges, and opportunities.	0
422	Unexpected hydrophobicity on self-assembled monolayers terminated with two hydrophilic hydroxyl groups. 2021 , 13, 19604-19609	1

421	Self-assembly of Organic Molecules at Metal Surfaces. 2020 , 967-1004	О	
420	Metal-Insulator-Metal as a Biosensing Platfrom. 2020 , 459-469		
419	Long-Range Plasmonic Waveguide Sensors. 2020 , 29-55	1	
418	New Adsorption-Based Biosensors for Cancer Detections and Role of Nano-medicine in Its Prognosis and Inhibition. 2020 , 107-140		
417	Stability Behaviour of Monolayer Tetraether Lipids on the Amino-Silanised Silicon Wafer: Comparative Study between Langmuir-Blodgett Monolayers with Self-Assembled Monolayers. 2020 , 10, 270-281	1	
416	Dissecting Biological and Synthetic Soft-Hard Interfaces for Tissue-Like Systems. <i>Chemical Reviews</i> , 2021 ,	68.1 5	
415	The growth of nitrosobenzene adlayers on an Au(111) surface: The effect of experimental parameters. 2021 , 45, 100539	O	
414	Influence of Gold/Silver Ratio in Ablative Nanoparticles on Their Interaction with Aptamers and Functionality of the Obtained Conjugates. 2021 , 32, 2439-2446	1	
413	Surface Reactions: Bio-catalysis an Emerging Alternative. 2008 , 43-62		
412	Carboxyl- and amine-functionalized carboranethiol SAMs on Au(111): A dispersion-corrected density functional theory study. 2020 , 4,	O	
411	A nanobody-functionalized organic electrochemical transistor for the rapid detection of SARS-CoV-2 and MERS antigens at the physical limit.		
410	Work-function modification of PEG(thiol) adsorbed on the Au(111) surface: A first-principles study. 2020 , 4,	O	
409	Integration of Individual Functionalized Gold Nanoparticles into Nanoelectrode Configurations: Recent Advances. 2020 , 2020, 3798-3810	1	
408	Self Assembled Monolayers and Carbon Nanotubes: A Significant Tool for Modification of Electrode Surface. 2020 , 18, 669-685		
407	Physicochemical characterization of ultrasmall superparamagnetic iron oxide particles (USPIO) for biomedical application as MRI contrast agents. 2007 , 2, 609-22	98	
406	Superparamagnetic iron oxide nanoparticles: promises for diagnosis and treatment of cancer. 2011 , 2, 367-90	61	
405	Recent Advances in the Application of Glycan-Modified Self-Assembled Monolayers. 2020 , 60, 95-119		
404	Assembled Au/ZnO Nano-Urchins for SERS Sensing of the Pesticide Thiram. 2021 , 11,	1	

403	Interface hydrophobic tunnel engineering: A general strategy to boost electrochemical conversion of N2 to NH3. 2022 , 92, 106784	5
402	Theoretical insights into the excited state processes of a novel fluorescent probe for thiophenol with large Stokes shift. 2022 , 425, 113691	O
401	Glass-based fluorescent immunobiosensor used for urea albumin fast detection. 2021,	
400	Versatile Thiol- and Amino-Functionalized Silatranes for in-situ polymerization and Immobilization of Gold Nanoparticles. 2021 , 132, 104129-104129	1
399	The stabilization potential of a standing molecule. 2021 , 7, eabj9751	1
398	DNAzyme-Functionalized Nanomaterials: Recent Preparation, Current Applications, and Future Challenges. 2021 , e2105439	5
397	Generation and manipulation of current-induced spin-orbit torques. 2021 , 97, 499-519	1
396	The Importance of Electrical Impedance Spectroscopy and Equivalent Circuit Analysis on Nanoscale Molecular Electronic Devices. 2109956	4
395	Molecular Screening for Terahertz Detection with Machine-Learning-Based Methods. 2021 , 11,	
394	The Unusual Dielectric Response of Large Area Molecular Tunnel Junctions Probed with Impedance Spectroscopy. 2100495	2
393	Synthesis, characterization, and formation of self-assembled monolayers of a phosphonic acid bearing a vinylene-bridged fluoroalkyl chain. 2021 , 577, 151959	O
392	Hydrophobicity of Self-Assembled Monolayers of Alkanes: Fluorination, Density, Roughness, and Lennard-Jones Cutoffs. 2021 , 37, 13846-13858	1
391	Effectiveness of Biofunctionalization of Titanium Surfaces with Phosphonic Acid. 2021, 9,	1
390	In Situ BSA (Bovine Serum Albumin) Assisted Electroless Plating Method with Superior Adhesion Property. 2101203	1
389	Low-cost and cleanroom-free prototyping of microfluidic and electrochemical biosensors: Techniques in fabrication and bioconjugation. 2021 , 15, 061502	2
388	Interfacial Dynamics, Chemistry, and Photochemistry of Molecular Ligands on Plasmonic Nanoparticle Surfaces: Insights From Surface-Enhanced Raman Spectroscopy. 2021 ,	
387	Biomolecular templates for interfacial nanomaterial assembly. 2021,	
386	Spontaneous desorption of protein from self-assembled monolayer (SAM)-coated gold nanoparticles induced by high temperature 2022 ,	1

385	Oxygen Interactions with Covalently Grafted 2D Nanometric Carboxyphenyl Thin FilmsAn Experimental and DFT Study. 2022 , 12, 49	1
384	Nanoscale self-assembly: concepts, applications and challenges. 2021,	5
383	Synthesis of Silver Nanoparticles with Long-term storability for SERS Applications Using Aqueous Extracts of Rice Bran: A Rapid and Green Photochemical Approach. 2022 , 1254, 132338	1
382	Effect of Nanoparticle Size on Plasmon-Driven Reaction Efficiency 2022,	1
381	Recent advances in carbon dioxide geological storage, experimental procedures, influencing parameters, and future outlook. 2022 , 225, 103895	15
380	Development of gold nanoparticle-based visual assay for rapid detection of Escherichia coli specific DNA in milk of cows affected with mastitis. 2022 , 155, 112901	О
379	The Influence of Macrocyclic Tetraamine Immobilization in Langmuir Monolayers on Complex Formation Selectivity. 2008 , 82, 623-629	О
378	Assembled Au/ZnO Nano-Urchins for SERS Sensing of the Pesticide Thiram. 2021 , 11, 2174	7
377	Patterning Functionalized Surfaces of 2D Materials by Nanoshaving. 2022 , 5, 23	
376	Self-assembled monolayer modulated Plateau-Rayleigh instability and enhanced chemical stability of silver nanowire for invisibly patterned, stable transparent electrodes. 1	O
375	Nanoscale Chemical Imaging of Coadsorbed Thiolate Self-Assembled Monolayers on Au(111) by Tip-Enhanced Raman Spectroscopy 2022 ,	1
374	Glyco disulfide capped gold nanoparticle synthesis: cytotoxicity studies and effects on lung cancer A549 cells 2022 ,	
373	Immobilization of molecule-based ionic liquids: a promising approach to improve elecrocatalyst performance towards the hydrogen evolution reaction. 2022 , 46, 454-464	1
372	Effect of Conformation of Sugar Beet Pectin on the Interfacial and Emulsifying Properties 2022 , 11,	2
371	Production of Organizational Chiral Structures by Design 2022,	O
370	Insight into the Adsorption Structure of TIPS-Pentacene on Noble Metal Surfaces. 2022 , 126, 2689-2698	
369	Intramolecular Amino-thiolysis Cyclization of Graphene Oxide Modified with Sulfur Dioxide: XPS and Solid-State NMR Studies. 2022 , 126, 1729-1741	0
368	The Effects of Stresses and Interfaces on Texture Transformation in Silver Thin Films 2022 , 12,	О

367	Elucidating Film Loss and the Role of Hydrogen Bonding of Adsorbed Redox Enzymes by Electrochemical Quartz Crystal Microbalance Analysis 2022 , 12, 1886-1897	3
366	Dynamic tracking of p21 mRNA in living cells by sticky-flares for the visual evaluation of the tumor treatment effect 2022 ,	1
365	Viscoelasticity Investigation of Semiconductor NP (CdS and PbS) Controlled Biomimetic Nanoparticle Hydrogels 2021 , 9, 816944	
364	Boosting the Near-Infrared Emission of AgS Nanoparticles by a Controllable Surface Treatment for Bioimaging Applications 2022 ,	1
363	Identifying nonadditive contributions to the hydrophobicity of chemically heterogeneous surfaces via dual-loop active learning 2022 , 156, 024701	2
362	Surface patterning techniques for proteins on nano- and micro-systems: a modulated aspect in hierarchical structures 2022 ,	1
361	Empirical Parameter to Compare Molecule Electrode Interfaces in Large-Area Molecular Junctions.	1
360	Liquid-Metal-Based Nanophotonic Structures for High-Performance SEIRA Sensing 2022 , e2107950	2
359	Self-assembling of nanobionics: from theory to applications. 2022 , 111-138	
358	Quantum Mechanical Meaning of the Charge Transfer Resistance.	1
358 357	Quantum Mechanical Meaning of the Charge Transfer Resistance. Study on the development of carbon nanotube enhanced biosensor for gender determination of fish. 2022, 35, 100474	1
	Study on the development of carbon nanotube enhanced biosensor for gender determination of	
357	Study on the development of carbon nanotube enhanced biosensor for gender determination of fish. 2022 , 35, 100474 The enhancement and mechanism of potential-assisted method on 2-mercaptobenzobthiazole	1
357 356	Study on the development of carbon nanotube enhanced biosensor for gender determination of fish. 2022, 35, 100474 The enhancement and mechanism of potential-assisted method on 2-mercaptobenzobthiazole assembled film for copper protection. 2022, 638, 128280 Development of polypyrrole (nano)structures decorated with gold nanoparticles towards	2
357 356 355	Study on the development of carbon nanotube enhanced biosensor for gender determination of fish. 2022, 35, 100474 The enhancement and mechanism of potential-assisted method on 2-mercaptobenzobthiazole assembled film for copper protection. 2022, 638, 128280 Development of polypyrrole (nano)structures decorated with gold nanoparticles towards immunosensing for COVID-19 serological diagnosis 2022, 24, 100817 A multivariate statistical approach in correlating the acoustic properties with petrophysics and	2
357 356 355 354	Study on the development of carbon nanotube enhanced biosensor for gender determination of fish. 2022, 35, 100474 The enhancement and mechanism of potential-assisted method on 2-mercaptobenzobthiazole assembled film for copper protection. 2022, 638, 128280 Development of polypyrrole (nano)structures decorated with gold nanoparticles towards immunosensing for COVID-19 serological diagnosis 2022, 24, 100817 A multivariate statistical approach in correlating the acoustic properties with petrophysics and mineralogy on sandstones.	1 2 5
357 356 355 354 353	Study on the development of carbon nanotube enhanced biosensor for gender determination of fish. 2022, 35, 100474 The enhancement and mechanism of potential-assisted method on 2-mercaptobenzobthiazole assembled film for copper protection. 2022, 638, 128280 Development of polypyrrole (nano)structures decorated with gold nanoparticles towards immunosensing for COVID-19 serological diagnosis 2022, 24, 100817 A multivariate statistical approach in correlating the acoustic properties with petrophysics and mineralogy on sandstones. State of the Art on Green Route Synthesis of Gold/Silver Bimetallic Nanoparticles 2022, 27, Enhanced Self-Assembled Monolayer Surface Coverage by ALD NiO in p-i-n Perovskite Solar Cells	1 2 5

349	A novel dibenzo[,]phenazine-based fluorescent probe for fast and selective detection of thiophenols in environmental water 2022 , 12, 8611-8616	0
348	Advances of nanotechnology in plant development and crop protection. 2022, 143-157	O
347	Molecular planting of a single oraganothiol into a gap-sitelof a 2D patterned adlayer in an electrochemical environment.	1
346	Organic/inorganic hybrid nanostructures for biological imaging and delivery. 2022,	
345	Plant-Based Synthesis of Gold Nanoparticles and Theranostic Applications: A Review 2022 , 27,	3
344	The patchy growth mode: Modulation of the Au-Au interface via phenynyl ligands. 1	1
343	2DIR Spectroscopy for Studies of Molecular Structure and Dynamics on Surfaces of Noble Metals. 2022 , 126, 3314-3327	1
342	Self-assembled monolayers direct a LiF-rich interphase toward long-life lithium metal batteries 2022 , 375, 739-745	52
341	A Carbon Nanotube Sensor Array for the Label-Free Discrimination of Live and Dead Cells with Machine Learning 2022 ,	1
340	A Short Review on Surface-Confined Monolayers of EConjugated Polymers for Photovoltaics. 2101086	
340	A Short Review on Surface-Confined Monolayers of EConjugated Polymers for Photovoltaics. 2101086 Surface Passivation of Sputtered NiO Using a SAM Interface Layer to Enhance the Performance of Perovskite Solar Cells 2022, 7, 12147-12157	4
	Surface Passivation of Sputtered NiO Using a SAM Interface Layer to Enhance the Performance of	4 5
339	Surface Passivation of Sputtered NiO Using a SAM Interface Layer to Enhance the Performance of Perovskite Solar Cells 2022 , 7, 12147-12157 Relation between Reactive Surface Sites and Precursor Choice for Area-Selective Atomic Layer	
339	Surface Passivation of Sputtered NiO Using a SAM Interface Layer to Enhance the Performance of Perovskite Solar Cells 2022, 7, 12147-12157 Relation between Reactive Surface Sites and Precursor Choice for Area-Selective Atomic Layer Deposition Using Small Molecule Inhibitors 2022, 126, 4845-4853	5
339 338 337	Surface Passivation of Sputtered NiO Using a SAM Interface Layer to Enhance the Performance of Perovskite Solar Cells 2022, 7, 12147-12157 Relation between Reactive Surface Sites and Precursor Choice for Area-Selective Atomic Layer Deposition Using Small Molecule Inhibitors 2022, 126, 4845-4853 IR microfluidics for in situ sensing of molecular interfaces. 2022, Synthesis and covalent immobilization of redox-active metallopolymers for organic phase	5 1
339 338 337 336	Surface Passivation of Sputtered NiO Using a SAM Interface Layer to Enhance the Performance of Perovskite Solar Cells 2022, 7, 12147-12157 Relation between Reactive Surface Sites and Precursor Choice for Area-Selective Atomic Layer Deposition Using Small Molecule Inhibitors 2022, 126, 4845-4853 IR microfluidics for in situ sensing of molecular interfaces. 2022, Synthesis and covalent immobilization of redox-active metallopolymers for organic phase electrochemistry. 2022, 244, 124656 Silica-Encapsulated CoreBatellite Gold Nanoparticle Assemblies as Stable, Sensitive, and Multiplex	5 1 0
339 338 337 336 335	Surface Passivation of Sputtered NiO Using a SAM Interface Layer to Enhance the Performance of Perovskite Solar Cells 2022, 7, 12147-12157 Relation between Reactive Surface Sites and Precursor Choice for Area-Selective Atomic Layer Deposition Using Small Molecule Inhibitors 2022, 126, 4845-4853 IR microfluidics for in situ sensing of molecular interfaces. 2022, Synthesis and covalent immobilization of redox-active metallopolymers for organic phase electrochemistry. 2022, 244, 124656 Silica-Encapsulated CoreBatellite Gold Nanoparticle Assemblies as Stable, Sensitive, and Multiplex Surface-Enhanced Raman Scattering Probes. Nanoscale Biocompatible Structures Generated from Fluorinated Tripodal Phenylenes on Gold	5 1 0

331	Laser Enhanced Combinatorial Chemo-photothermal Therapy of Green Synthesis Gold Nanoparticles Loaded with 6Mercaptopurine on Breast Cancer Model. 1	0
330	Understanding Selectivity Loss Mechanisms in Selective Material Deposition by Area Deactivation on 10 nm Cu/SiO2 Patterns.	1
329	Electrochemical and X-ray Photoelectron Spectroscopy Surface Characterization of Interchain-Driven Self-Assembled Monolayer (SAM) Reorganization 2022 , 12,	0
328	Nanometer-Thick Thiophene Monolayers as Templates for the Gas-Phase Epitaxy of Poly(3,4-Ethylenedioxythiophene) Films on Gold: Implications for Organic Electronics. 2022 , 5, 3194-3200	
327	Detection of Amyloid-¶1-42) Aggregation With a Nanostructured Electrochemical Sandwich Immunoassay Biosensor 2022 , 10, 853947	
326	Near-Infrared Light-Controlled Activation of Adhesive Peptides Regulates Cell Adhesion and Multidifferentiation in Mesenchymal Stem Cells on an Up-Conversion Substrate 2022 ,	O
325	Ferrocene: From the Perspective of Molecular Electronics. 1-22	
324	Long-range surface plasmon resonance biosensors with cytop/Al/Perovskite and cytop/Al/MoS2 configurations. 2022 , 97, 055501	1
323	Quantifying formations of Neutravidin clusters on biotinylated mixed silane Self-Assembled Monolayers	
322	Removal of Thiol-SAM on a Gold Surface for Re-Use of an Interdigitated Chain-Shaped Electrode 2022 , 15,	O
321	Dopamine Functionalized Polyethylene Glycol for Improving Stability of Gold Nanoparticles Against Reactive Oxygen Species in Serum 2022 , e2200035	0
320	Improving Orientation, Packing Density, and Molecular Arrangement in Self-Assembled Monolayers of Bianchoring Ferrocene-Triazole Derivatives by "Click" Chemistry 2022 ,	O
319	Antibody-conjugated gold nanoparticles as nanotransducers for second near-infrared photo-stimulation of neurons in rats 2022 , 9, 13	2
318	High-Sensitive Detection and Quantitative Analysis of Thyroid-Stimulating Hormone Using Gold-Nanoshell-Based Lateral Flow Immunoassay Device 2022 , 12,	1
317	Role of gelatin and chitosan cross-linked aqueous template in controlling the size of lithium titanium oxide. 2022 , 4, 1	
316	Electroresponsive Weak Polyelectrolyte Brushes.	O
315	Tunable SERS Enhancement via Sub-nanometer Gap Metasurfaces 2022,	1
314	Can Metals Other than Au be Used for Large Area Exfoliation of MoS 2 Monolayers?. 2200106	О

313	Assessment of wettability and rock-fluid interfacial tension of caprock: Implications for hydrogen and carbon dioxide geo-storage. 2022 , 47, 14104-14120	6
312	On the Counter-Intuitive Heterogeneous Electron Transfer Barrier Properties of Alkanethiolate Monolayers on Gold: Smooth versus Rough Surfaces.	1
311	Multiscale Characterization of the Influence of the Organic-Inorganic Interface on the Dielectric Breakdown of Nanocomposites 2022 ,	1
310	Electrochemical evaluation of the grafting density of self-assembled monolayers of polyethylene glycol of different chain lengths formed by the grafting to approach under conditions close to the cloud point. 2022 , 116294	O
309	Gold nanostructured membranes to concentrate low molecular weight thiols, a proof of concept study 2022 , 1198, 123244	0
308	Molecular Bending: An Important Factor Affecting the Packing of Self-Assembled Monolayers of Triptycene-Based Molecular Rods on a (111) Gold Surface.	
307	Substrate Roughness and Tilt Angle Dependence of Sum-Frequency Generation $Odd\mathbf{E}$ ven $Effects$ in $Self\text{-}Assembled$ $Monolayers.$	0
306	Effect of the alkyl linker length on the photoisomerization of hydrazone switches on metal surfaces. 2022 , 24, 100797	2
305	Site-selective surface enhanced Raman scattering study of ligand exchange reactions on aggregated Ag nanocubes 2022 , 616, 110-120	1
304	Effect of organic acids on CO2-rock and water-rock interfacial tension: Implications for CO2 geo-storage. 2022 , 214, 110480	3
303	Tuning the fluid wetting dynamics on gold microstructures using photoactive compounds. 2022 , 589, 152924	
302	Strategic synthesis of trimetallic Au@Ag-Pt nanorattles for ultrasensitive colorimetric detection in lateral flow immunoassay 2022 , 208, 114218	2
301	Effect of edge groups on the electronic transport properties of tetrapodal diazatriptycene molecule. 2022 , 141, 115212	0
300	Local Cross-Coupling Activity of Azide-Hexa(ethylene glycol)-Terminated Self-Assembled Monolayers Investigated by Atomic Force Microscopy. 2021 ,	
299	Ligand Dynamics in Nanocrystal Solids Studied with Quasi-Elastic Neutron Scattering. 2021,	2
298	A roadmap for molecular thermoelectricity. 2021 ,	4
297	Rewritable Surface on a Plastic Substrate Using Fluorous Affinity 2021 ,	
296	-Heterocyclic Carbene Ligand Stability on Gold Nanoparticles in Biological Media 2022 , 7, 1444-1451	1

295	Self-Assembled Copper Film-Enabled Liquid Metal Core-Shell Composite 2021, 13, 60660-60671		2
294	Adsorbate-Induced Phase Transformation of Ambient Stable Noncubic Lattices in Au Microcrystallites. 2022 , 126, 823-831		
293	Bioactive Coatings on Titanium: A Review on Hydroxylation, Self-Assembled Monolayers (SAMs) and Surface Modification Strategies 2021 , 14,		2
292	Metal-Supported Phospholipid Bilayers Formed by Redox Command. 2022 , 9, 2101289		
291	Monolayer-Induced Changes in Metal Penetration and Wetting for Metal-on-Organic Interfaces. 2021 , 33, 9515-9523		
290	Metal-Molecule-Metal Junctions on Self-Assembled Monolayers Made with Selective Electroless Deposition 2021 ,		2
289	Atomically Precise Palladium Nanoclusters with 21 and 38 Pd Atoms Protected by Phenylethanethiol. 2022 , 126, 444-450		0
288	Solution-Based Self-Assembly and Stability of Ruthenium(II) Tris-bipyridyl Monolayers on Gold. 2021 ,		1
287	Multi-Component Self-Assembled Molecular-Electronic Films: Towards New High-Performance Thermoelectric Systems.		3
286	Emerging Nanoporous Materials for Biomolecule Separation. 2113153		1
286	Second Sphere Effects on Oxygen Reduction and Peroxide Activation by Managueleas Iron	3.1	
	Second Sphere Effects on Oxygen Reduction and Peroxide Activation by Mononuclear Iron	3.1	
285	Second Sphere Effects on Oxygen Reduction and Peroxide Activation by Mononuclear Iron Porphyrins and Related Systems <i>Chemical Reviews</i> , 2022 , Self-assembled monolayers of O-(2-Mercaptoethyl)-O?-methyl-hexa(ethylene glycol) (EG7-SAM) on gold electrodes. Effects of the nature of solution/electrolyte on formation and electron transfer	3.1	4
285 284	Second Sphere Effects on Oxygen Reduction and Peroxide Activation by Mononuclear Iron Porphyrins and Related Systems <i>Chemical Reviews</i> , 2022 , Self-assembled monolayers of O-(2-Mercaptoethyl)-O?-methyl-hexa(ethylene glycol) (EG7-SAM) on gold electrodes. Effects of the nature of solution/electrolyte on formation and electron transfer blocking characteristics. 2022 , 116303	3.1	4 0
285 284 283	Second Sphere Effects on Oxygen Reduction and Peroxide Activation by Mononuclear Iron Porphyrins and Related Systems <i>Chemical Reviews</i> , 2022 , Self-assembled monolayers of O-(2-Mercaptoethyl)-O?-methyl-hexa(ethylene glycol) (EG7-SAM) on gold electrodes. Effects of the nature of solution/electrolyte on formation and electron transfer blocking characteristics. 2022 , 116303 Quantum phonon transport through channels and molecules Perspective. 2022 , 120, 160503 Photo-Responsive Molecular Junctions Activated by Perovskite/Graphene Heterostructure	33.1	4 0 3
285 284 283 282	Second Sphere Effects on Oxygen Reduction and Peroxide Activation by Mononuclear Iron Porphyrins and Related Systems Chemical Reviews, 2022, Self-assembled monolayers of O-(2-Mercaptoethyl)-O?-methyl-hexa(ethylene glycol) (EG7-SAM) on gold electrodes. Effects of the nature of solution/electrolyte on formation and electron transfer blocking characteristics. 2022, 116303 Quantum phonon transport through channels and molecules Perspective. 2022, 120, 160503 Photo-Responsive Molecular Junctions Activated by Perovskite/Graphene Heterostructure Electrode. 2200049 Electronic transport properties of a single biphenyl molecule anchored on Au(111)with sulfur,	33.1	4 0 3
285 284 283 282 281	Second Sphere Effects on Oxygen Reduction and Peroxide Activation by Mononuclear Iron Porphyrins and Related Systems Chemical Reviews, 2022, Self-assembled monolayers of O-(2-Mercaptoethyl)-O?-methyl-hexa(ethylene glycol) (EG7-SAM) on gold electrodes. Effects of the nature of solution/electrolyte on formation and electron transfer blocking characteristics. 2022, 116303 Quantum phonon transport through channels and molecules Perspective. 2022, 120, 160503 Photo-Responsive Molecular Junctions Activated by Perovskite/Graphene Heterostructure Electrode. 2200049 Electronic transport properties of a single biphenyl molecule anchored on Au(111) with sulfur, selenium, and tellurium atoms 2022, 156, 174701 Bioprobes-regulated precision biosensing of exosomes: From the nanovesicle surface to the inside.		4 0 3 3

277 Ion Track-Based Nanofluidic Biosensors. **2022**, 57-81

276	Nanocosmeceuticals: Novel and Advanced Self-Care Materials. 2022 , 1031-1056	
275	Molecular Effects of Biogenic Zinc Nanoparticles on the Growth and Development of L. Revealed by Proteomics and Transcriptomics 2022 , 13, 798751	О
274	Time-of-Flight Secondary Ion Mass Spectrometry Analyses of Self-Assembled Monolayers of Octadecyltrimethoxysilane on SiO2 Substrate. 2022 , 12, 4932	
273	Elastic Properties of Poly(ethylene glycol) Nanomembranes and Respective Implications. 2022, 12, 509	1
272	Conformationally engineering flexible peptides on silver nanoparticles. 2022, 104324	O
271	Luminescent Self-Assembled Monolayer on Gold Nanoparticles: Tuning of Emission According to the Surface Curvature. 2022 , 10, 176	2
270	Chemistry and engineering of brush type polymers: Perspective towards tissue engineering. 2022 , 102694	3
269	Simulations of Friction Anisotropy on Self-Assembled Monolayers in Water 2022,	
268	Sensitive detection of halides and nitrate in organic and aqueous solvents via selective halogen bonding on TTF-SAM modified platinum electrodes	O
267	From Multi-Switchable Self-Assemblies towards Surface Coordination Chemistry: A STM Investigation of Bipyridine-Terminated Ditopic Ligands.	
266	Graphene-based multifunctional surface and structure gradients engineered by atmospheric plasma. 2022 , 27, 101486	2
265	Plasmonic anisotropic gold nanorods: Preparation and biomedical applications. 1	2
264	Experimental evaluation of rock mineralogy on hydrogen-wettability: Implications for hydrogen geo-storage. 2022 , 52, 104866	2
263	A spectroscopic probe with FRET-ICT feature for thiophenol monitoring in real water samples. 2022 , 121397	1
262	New Trends in Nanoarchitectured SERS Substrates: Nanospaces, 2D Materials, and Organic Heterostructures 2022 , e2107182	5
261	Role of Nanoscale Roughness and Polarity in Odd-Even Effect of Self-Assembled Monolayers.	
260	Role of Nanoscale Roughness and Polarity in Odd-Even Effect of Self-Assembled Monolayers 2022 ,	Ο

259	Nanoprojectile Secondary Ion Mass Spectrometry for Nanometrology of Nanoparticles and Their Interfaces 2022 ,	
258	Influence of Different Substitution Patterns on the 2D Crystalline Aggregation of Small Molecules on HOPG Surfaces 2022 ,	
257	Temperature Dependence of the Rheology of Soft Matter on a MHz-oscillating Solid-liquid Interface 2022 ,	
256	Investigating the conversion from coordination bond to electrostatic interaction on self-assembled monolayer by SECM. 2022 , 423, 140569	
255	Adsorption Characteristics of Peptides on the IFunctionalized Self-assembled Monolayers: A Molecular Dynamics Study.	0
254	No more compromise: A facile route towards functionalized surfaces with stable monolayers.	Ο
253	Investigation of electron-induced cross-linking of self-assembled monolayers by scanning tunneling microscopy. 13, 462-471	0
252	Metasurface-Enhanced Infrared Spectroscopy: An Abundance of Materials and Functionalities. 2110163	Ο
251	Patterning of Self-Assembled Monolayers of Amphiphilic Multisegment Ligands on Nanoparticles and Design Parameters for Protein Interactions.	Ο
250	Arylhydrazones. 2022 , 113-129	
250 249	Arylhydrazones. 2022, 113-129 Concept of Embedded Dipoles as a Versatile Tool for Surface Engineering.	1
		1
249	Concept of Embedded Dipoles as a Versatile Tool for Surface Engineering. Physisorption of Affinity Ligands Facilitates Extracellular Vesicle Detection with Low Non-Specific	
249	Concept of Embedded Dipoles as a Versatile Tool for Surface Engineering. Physisorption of Affinity Ligands Facilitates Extracellular Vesicle Detection with Low Non-Specific Binding to Plasmonic Gold Substrates. Tuning interfacial interactions for bottom-up assembly of surface-anchored metal-organic	
249 248 247	Concept of Embedded Dipoles as a Versatile Tool for Surface Engineering. Physisorption of Affinity Ligands Facilitates Extracellular Vesicle Detection with Low Non-Specific Binding to Plasmonic Gold Substrates. Tuning interfacial interactions for bottom-up assembly of surface-anchored metal-organic frameworks to tailor film morphology and pattern surface features.	
249248247246	Concept of Embedded Dipoles as a Versatile Tool for Surface Engineering. Physisorption of Affinity Ligands Facilitates Extracellular Vesicle Detection with Low Non-Specific Binding to Plasmonic Gold Substrates. Tuning interfacial interactions for bottom-up assembly of surface-anchored metal-organic frameworks to tailor film morphology and pattern surface features. Molecular Switches and Motors in 2-D. 2022, 711-733 Robust silane self-assembled monolayer coatings on plasma-engineered copper surfaces	1
249248247246245	Concept of Embedded Dipoles as a Versatile Tool for Surface Engineering. Physisorption of Affinity Ligands Facilitates Extracellular Vesicle Detection with Low Non-Specific Binding to Plasmonic Gold Substrates. Tuning interfacial interactions for bottom-up assembly of surface-anchored metal-organic frameworks to tailor film morphology and pattern surface features. Molecular Switches and Motors in 2-D. 2022, 711-733 Robust silane self-assembled monolayer coatings on plasma-engineered copper surfaces promoting dropwise condensation. 2022, 194, 123028	1

241	Micropatterned Polypyrrole/Hydroxyapatite Composite Coatings Promoting Osteoinductive Activity by Electrical Stimulation. 2022 , 12, 849	О
240	2D nanoneedle-like ZnO/SiO2 Janus membrane with asymmetric wettability for highly efficient separation of various oil/water mixtures. 2022 , 129352	1
239	Key progresses of MOE key laboratory of macromolecular synthesis and functionalization in 2021. 2022 ,	7
238	Molecular Inhibition for Selective CO2 Conversion.	2
237	Turning weak into strong: on the CTAB-induced active surface growth.	Ο
236	Molecular Inhibition for Selective CO2 Conversion.	
235	Proving Cooperativity of a Catalytic Reaction by Means of Nanoscale Geometry: The Case of Click Reaction.	
234	Tuning Aullu Janus Structures through Strong Ligand-Mediated Interfacial Energy Control.	1
233	Applying a Mono-Octadecanethiol Film on Silver and Gold Coin Products. 2022, 144,	
232	Enhancement of electrocatalytic oxygen evolution by chiral molecular functionalization of hybrid 2D electrodes. 2022 , 13,	3
231	The patterned Au oxide layer formation on Au surfaces by F2 laser irradiation under the atmospheric conditions. 2022 , 32, 102104	
230	(In)stability of ligands at the surface of inorganic nanoparticles: A forgotten question in nanomedicine?. 2022 , 45, 101516	1
229	Comparison between polycrystalline Au and single-crystalline Au(1 1 1) electrodes as the substrate of a cationic organic monolayer based on their anion dependent redox activities. 2022 , 919, 116514	0
228	Characterization of self-assembled Bis[2-(2-bromoisobutyryloxy) undecyl] disulphide (DTBU) on gold surfaces suitable for use in surface-initiated atom transfer radical polymerization (SI-ATRP). 2022 , 918, 116515	
227	Influence of divalent ion concentration on the adhesion behaviour of sulfonate self-assembled monolayers (SAM). 2022 , 648, 129415	0
226	Modification of Surfaces with Calix[4]arene Diazonium Salts. 2022 , 247-262	
225	Diazonium Electroreduction and Molecular Electronics. 2022 , 227-245	1
224	Fundamentals of Biosensors and Detection Methods. 2022 , 3-29	2

223	Characterization of a Wake-Up Nano-Gap Gas Sensor for Ultra Low Power Operation. 2022, 1-11	0
222	Assembly, structure and thermoelectric properties of 1,1?-dialkynylferrocene ∃inges□	1
221	Diazonium Salts and the Related Compounds for the Design of Biosensors. 2022 , 359-378	0
220	Approaches for a Solely Electroless Metallization of Through-Glass Vias. 2022,	2
219	Cell-repellent polyampholyte for conformal coating on microstructures. 2022 , 12,	
218	Conductance Switching in Liquid Crystal-Inspired Self-Assembled Monolayer Junctions. 2022 , 14, 31044-3105	30
217	Thioglycolic acid-functionalized gold nanoparticles: Capping agent-affected color perception stability towards nitrate sensing purpose. 2022 ,	
216	Observing Real-Time Formation of Self-Assembled Monolayers on Polycrystalline Gold Surfaces with Scanning Electrochemical Cell Microscopy.	2
215	Chiral-Molecule-Based Spintronic Devices. 2203015	3
214	Light-Induced and Thermal Isomerization of Azobenzenes on Immobilized Gold Nanoparticle Aggregates. 2022 , 87,	
213	Biointerface Engineering with Nucleic Acid Materials for Biosensing Applications. 2201069	2
212	Oxidative Elimination and Reductive Addition of Thiol-Terminated Polymer Ligands to Metal Nanoparticles.	O
211	Oxidative Elimination and Reductive Addition of Thiol-Terminated Polymer Ligands to Metal Nanoparticles.	
2 10	Recombinant protein G/Au nanoparticles/graphene oxide modified electrodes used as an electrochemical biosensor for Brucella Testing in milk.	
209	Identifying Substrate-Dependent Chemical Bonding Nature at Molecule/Metal Interfaces Using Vibrational Sum Frequency Generation Spectroscopy and Theoretical Calculations. 2022 , 126, 11298-11309	0
208	Ultrahigh On-Current Density of Organic Field-Effect Transistors Facilitated by Molecular Monolayer Crystals. 2202632	1
207	Differences in perchlorate adsorption to azobenzene monolayers on gold formed from thioacetate and thiol precursors. 2022 ,	
206	Self-organization of stearic acid salts on the hemispherical surface of the aqueous subphase allows functionalization of matrix-assisted laser desorption/ionization mass spectrometry target plates for on-plate immobilized metal affinity chromatography enrichment. 2022 , 756, 139374	O

205	Substrate roughness influence on the order of nanografted Self-Assembled Monolayers. 2022, 803, 139819	
204	Ionomer distribution control by self-assembled monolayers for high-power and low Pt-loaded proton exchange membrane fuel cells. 2022 , 542, 231793	1
203	Optofluidic analysis of monolayers with infrared microscopy. 2023,	
202	Adsorption of Lipoic Acid on the Surface of Silver: The Kinetics of the Formation and Structure of Self-Assembled Monolayers. 2022 , 77, 150-155	
201	Effect of halogenation on the electronic transport properties of aromatic and alkanethiolate molecules. 2022 , 115428	0
200	Electrochemical Sensors for the Detection of Reactive Oxygen Species in Biological Systems: A Critical Review. 1-33	О
199	From Bench to Cell: A Roadmap for Assessing the Bioorthogonal Click[Reactivity of Magnetic Nanoparticles for Cell Surface Engineering.	
198	Polymorphism and Building-Block-Resolved STM Imaging of Self-Assembled Monolayers of 4-Fluorobenzenemethanethiol on Au(111).	Ο
197	Electrokinetically Augmented Load Bearing Capacity of a Deformable Microfluidic Channel .	
196	Surface structure and work function change of pentafluorobenzeneselenolate self-assembled monolayers on Au (111). 2022 , 33, 102228	1
195	The 2022 Kavli Prize in Nanoscience: Self-Assembled Monolayers. 2022 , 16, 9965-9967	0
194	The Promise of Soft Matter Enabled Quantum Materials. 2203908	
193	Self-Assembly at a Macroscale Using Aerodynamics. 2022 , 12, 7676	О
192	Trojan Horse Delivery of Spherical Nucleic Acid Probes into the Cytoplasm for High-Fidelity Imaging of MicroRNAs. 2022 , 94, 10942-10948	О
191	Condensation Heat Transfer Correlation for Micro/Nanostructure Properties of Surfaces.	
190	Modulated Structure and Rectification Properties of a Molecular Junction by a Mixed Self-Assembled Monolayer.	Ο
189	Au Nanoparticles Coated ZnO Film for Chemical Sensing by PIERS Coupled to SERS. 2022 , 9, 562	1
188	Functional Group Effects on the Electrochemical Properties of Carboranethiol Monolayers on Au(111) As Studied by Density Functional Theory: Implications for Organic Electronics. 2022 , 5, 11185-11193	

187	A Sub-20hm Organic/Inorganic Hybrid Dielectric for Ultralow-Power Organic Thin-Film Transistor (OTFT) With Enhanced Operational Stability. 2203165	3
186	Investigation of Dopamine Release on Self-assembled Monolayers by Scanning Electrochemical Microscopy.	О
185	Thermally Driven Structural Order of Oligo(Ethylene Glycol)-Terminated Alkanethiol Monolayers on Au(111) Prepared by Vapor Deposition. 2022 , 27, 5377	1
184	Advances of Various Heterogeneous Structure Types in Molecular Junction Systems and Their Charge Transport Properties. 2202399	O
183	Functionalized Self-Assembled Monolayers: Versatile Strategies to Combat Bacterial Biofilm Formation. 2022 , 14, 1613	О
182	When Design Meets Function: The Prodigious Role of Surface Ligands in Regulating Nanoparticle Chemistry.	1
181	Self-Assembled Decanethiolate Monolayers on Au(001): Expanding the Family of Known Phases. 2022 , 38, 10202-10215	
180	Electrochemical DNA biosensor coupled to LAMP reaction for early diagnostics of cervical precancerous lesions. 2022 , 100224	
179	Curcumin-Based Universal Grafting of Poly(OEGMA) Brushes and Their Antibacterial Applications. 2200310	О
178	Antifouling Surface Coating on Various Substrates by Inducing Tyrosinase-Mediated Oxidation of a Tyrosine-Conjugated Sulfobetaine Derivative.	O
177	Ferrocene as an iconic redox marker: From solution chemistry to molecular electronic devices. 2022 , 473, 214816	1
176	Thiol sensing: From current methods to nanoscale contribution. 2022 , 183, 107994	O
175	Facile strategy for advanced selectivity and sensitivity of SnO2 nanowire-based gas sensor using chemical affinity and femtosecond laser irradiation. 2022 , 372, 132657	O
174	High sensitivity label-free detection of HER2 using an Altan/GaN high electron mobility transistor-based biosensor.	1
173	Structure and stability of 7-mercapto-4-methylcoumarin self-assembled monolayers on gold: an experimental and computational analysis. 2022 , 24, 22083-22090	О
172	Electrostatic Fermi level tuning in large-scale self-assembled monolayers of oligo(phenylene thynylene) derivatives. 2022 , 7, 1201-1209	2
171	Electrode surface embedded manganese(iii)pincer complexes: efficient electrocatalysts for the oxygen evolution reaction.	О
170	Recent developments in polynorepinephrine: an innovative material for bioinspired coatings and colloids.	О

169	Self-assembly of heterogeneous bilayers stratified by Auß and hydrogen bonds on Au(111). 2022 , 24, 22222-22230	1
168	Robust and durable liquid-repellent surfaces.	5
167	Coordination-driven opto-electroactive molecular thin films in electronic circuits.	1
166	Smartphone-Based Immunochemical Sensor Exploiting Peroxidase-Like Activity of Ligand-Capped Gold Nanostars: A Proof-of-Concept Detection of Mycobacterium Bovis.	O
165	Engineering synergistic effects of immobilized cooperative catalysts. 2023 , 474, 214863	О
164	Ultrathin Durable Organic Hydrophobic Coatings Enhancing Dropwise Condensation Heat Transfer. 2022 , 38, 11296-11303	1
163	Marine antifouling behavior of the surfaces modified by dopamine and antibacterial peptide.	1
162	Enzymatic and Microbial Electrochemistry: Approaches and Methods.	Ο
161	Potential-Dependent Adhesion Forces between dsDNA and Electroactive Surfaces. 2022, 38, 11899-11908	0
160	Electron Transfer in Binary Hemin-Modified Alkanethiol Self-Assembled Monolayers on Gold: Hemin Lateral and Interfacial Interactions. 2022 , 38, 11180-11190	1
159	Ultrastable Anti-Acid Bhield🗈n Layered Silver Coordination Polymers.	0
158	Amide-Assisted Polymerization of 1,3-Butadiyne Containing Thiolate Ligands on Small Gold Nanoparticles. 2022 , 38, 10943-10952	O
157	Improved Absorber Phase Stability, Performance, and Lifetime in Inorganic Perovskite Solar Cells with Alkyltrimethoxysilane Strain-Release Layers at the Perovskite/TiO2 Interface. 3531-3538	3
156	Nanoarchitectonics Intelligence with atomic switch and neuromorphic network system. 2022, 15, 100101	3
155	Ultrastable Anti-Acid Bhield🗈n Layered Silver Coordination Polymers.	0
154	Suppression of Impedimetric Baseline Drift for Stable Biosensing.	O
153	Serrated Au Nanoplates via the Sharpening Etching Mode. 2022 , 34, 8213-8218	О
152	Effect of Material and Shape of Nanoparticles on Hot Carrier Generation.	1

151	Functionalized N-Heterocyclic Carbene Monolayers on Gold for Surface-Initiated Polymerizations. 2022 , 14, 44969-44980	1
150	Probing Matrix Effects in the Course of Electron Transfer across a Self-Assembled Monolayer.	1
149	Solid-state Nanopores: Chemical Modifications, Interactions, and Functionalities.	0
148	Localized hydrodynamic flow confinement assisted nanowire sensor for ultrasensitive protein detection. 2022 , 114788	o
147	AuNPs and 2D functional nanomaterial-assisted SPR development for the cancer detection: a critical review. 2022 , 13,	0
146	Dependence of thermoelectric effects in molecular junctions on the topography of the bottom electrodes.	O
145	Zirconia for Dental Implants. 2022 , 479-485	0
144	Using a Single Peptide to Electrochemically Sense Multiple Kinases.	O
143	Ionic Liquid Facilitated Solvent-Phase Polymerization of Ultrasmooth Coatings of Polycatecholamines. 2200313	0
142	Spiropyran M erocyanine Based Photochromic Fluorescent Probes: Design, Synthesis, and Applications. 2022 , 7, 36988-37007	1
141	ReviewRecent Advances in Polydopamine-based Electrochemical Biosensors. 2022, 169, 107505	1
140	Silver Nanoparticles Bio-genesis from Colpomenia sinuosa and its in-vivo Anti-tumor Efficacy on DLA Inoculated tumor in albino mice. 2022 , 15, 6161-6168	O
139	Exploring the Metallhsulator Transition in (Ga,Mn)As by Molecular Absorption.	0
138	Hybrid bilayer membranes as platforms for biomimicry and catalysis.	o
137	Study of n-Alkanethiol Self-Assembly Behavior on Iron Particles: Effect of Alkyl Chain Length and Adsorption Solvent on Resulting Iron-Based Magnetorheological Fluids.	1
136	Can Polymers be Irreversibly Adsorbed on Carbon Nanomembranes? A Combined XPS, AFM, and Broadband Dielectric Spectroscopy Study.	o
135	Design of Anti-biofouling Coatings Based on the Fusion of Surface & Interface Science and Informatics. 2022 , 61, 765-768	0
134	Amine-Functionalized Diamond Electrode for Boosting CO2 Reduction to CO.	O

133	Patterning-mediated supramolecular assembly of lipids into nanopalms. 2022, 25, 105344	0
132	Detection and binding interactions of pharmaceutical contaminants using quartz crystal microbalance IRole of adsorbate structure and surface functional group on adsorption. 2022 , 137075	Ο
131	Rational Design of Noble Metal-Based Multimetallic Nanomaterials: A Review. 2022 , 107959	1
130	Use of phase angle in alternating voltammetry on redox self-assembled monolayers with intermolecular interactions. 2022 , 925, 116914	O
129	Evidence of molecular clicking on self-assembled monolayers on Au (111) and their properties. 2023 , 216, 111809	0
128	Thiols as ligands and structural control of nanoclusters. 2023 , 519-550	O
127	Boosting oxygen transport through mitigating the interaction between Pt and ionomer in proton exchange membrane fuel cell. 2023 , 553, 232240	1
126	High performance aptasensing platform development through in silico aptamer engineering for aflatoxin B1 monitoring. 2023 , 145, 109418	1
125	CoreBatelliteBatellite hierarchical nanostructures: assembly, plasmon coupling, and gap-selective surface-enhanced Raman scattering.	0
124	The Synergetic Effect of Gold Nanoclusters-Calcium Phosphate Composite: Enhanced Photoluminescence Intensity and Superior Bioactivity.	O
123	Smartphone-based immunochemical sensor exploiting peroxidase-like activity of ligand-capped gold nanostars: A proof-of-concept detection of Mycobacterium bovis. 2023 , 220, 114857	2
122	Sustainable manufacturing process for wafer-scale uniform semiconductor nanostructures. 2022,	Ο
121	Amyloidogenesis: What Do We Know So Far?. 2022 , 23, 13970	2
120	Quantifying Molecular StructureConductance Relationship in Nonlinear EConjugated versus Linear EConjugated Wire for Application in Molecular Electronics.	O
119	A meshless scheme on the electrokinetically driven flow of power-law fluid through nanochannel considering dual effects of heterogeneity in wall charge and surface wettability. 2022 , 104943	0
118	Surface Protection of Quaternary Gold Alloys by Thiol Self-Assembled Monolayers. 2022 , 23, 14132	O
117	Optimizing the Heavy Metal Ion Sensing Properties of Functionalized Silver Nanoparticles: The Role of Surface Coating Density. 2022 , 10, 483	0
116	Multi-fluorous-included Counter Anions-based Ionic Copolymers: Synthesis and Enhanced Hydrophobic Adsorption Films on Copper Surface for Super Protection.	O

115	A Kavli prize at the interface. 2022, 17, 1127-1127	O
114	Synthesis of fully substituted sumanenes at the aromatic periphery through hexabromomethylation.	O
113	Advanced Lab-on-Fiber Optrodes Assisted by Oriented Antibody Immobilization Strategy. 2022, 12, 1040	O
112	Effects of the potential and the electrolyte nature in the integrity of the O-(2-Mercaptoethyl)-O?-methyl-hexa(ethylene glycol) self-assembled monolayer by electrochemical impedance spectroscopy. 2022 , 116996	O
111	Design of Biocompatible Monolayers and Polymeric Materials using Informatics. 2022 , 34, 398-401	O
110	Janus nanozyme based satellite structure immunosandwich colorimetric strategy for glycoproteins visual detection. 2023 , 454, 140495	O
109	Recognition mechanism of imidazo[1,5-pyridine-based fluorescence probe towards thiophenols with multi-mechanisms of PET and ESIPT. 2023 , 437, 114477	2
108	Iron(II)-Exeto Acid Complexes of Tridentate Ligands on Gold Nanoparticles: Effect of Ligand Geometry and Immobilization on Their Dioxygen-Dependent Reactivity.	O
107	Defined Coadsorption of Prostate Cancer Targeting Ligands and PEG on Gold Nanoparticles for Significantly Reduced Protein Adsorption in Cell Media. 2022 , 126, 20594-20604	0
106	Gold Nanocolumnar Templates for Effective Chemical Sensing by Surface-Enhanced Raman Scattering. 2022 , 12, 4157	O
105	Catalytic Gold-Iridium Nanoparticles as Labels for Sensitive Colorimetric Lateral Flow Assay.	O
104	YolkBhell Nanoparticles with CO2-Responsive Outer Shells for Gas-Controlled Catalysis. 2022 , 5, 18237-18246	0
103	Inverse Design of Pore Wall Chemistry To Control Solute Transport and Selectivity.	O
102	Tuning gold-based surface functionalization for streptavidin detection: A combined simulative and experimental study. 9,	O
101	Electrocatalytic Self-Assembled Nanoarchitectonics for Clean Energy Conversion Applications.	O
100	Lamellar and Hexagonal Assemblies of PEG-Grafted Silver Nanoparticles: Implications for Plasmonics and Photonics. 2022 , 5, 17556-17564	О
99	Monolayer Thiol Engineered Covalent Interface toward Stable Zinc Metal Anode.	1
98	Sequential Use of Orthogonal Self-Assembled Monolayers for Area-Selective Atomic Layer Deposition of Dielectric on Metal. 2202134	O

(2023-2023)

97	Only gold can pull this off: mechanical exfoliations of transition metal dichalcogenides beyond scotch tape. 2023 , 129,	О
96	Microfluidic SERS devices: brightening the future of bioanalysis. 2022 , 2,	O
95	Molecular Electronics: Creating and Bridging Molecular Junctions and Promoting Its Commercialization. 2209088	0
94	Nanomechanical Stability of Laterally Heterogeneous Films of Corrosion Inhibitor Molecules Obtained by Microcontact Printing on Au Model Substrates. 2022 , 38, 15614-15621	O
93	Molecular Anchoring with 4-Mercaptobenzoic Acid and 4-Aminothiophenol for Using Active Nanorods in the Detection of Dopamine.	O
92	Reducing interfacial thermal resistance by interlayer. 2023 , 35, 053001	O
91	Chemical Conformation Induced Transport Carrier Switching in Molecular Junction based on Carboxylic-Terminated Thiol Molecules.	О
90	Particle-Based therapies for antigen specific treatment of type 1 diabetes. 2023 , 631, 122500	O
89	Syntheses of Metal Nanocrystals. 2023 , 1-26	Ο
88	Preparation and Evaluation of 64Cu-Radiolabled Dual-Ligand Multifunctional Gold Nanoparticles for Tumor Theragnosis. 2023 , 16, 71	O
87	Nanoscale molecular rectifiers.	2
86	Structural features of interfacial water predict the hydrophobicity of chemically heterogeneous surfaces.	Ο
85	Electro-Optic Properties of High-Efficiency Organic Electronics with the Addition of An Interlayer. 2023 , 13, 624	Ο
84	Imprinting Chirality on a Conventional Superconductor. 2200072	O
83	Area-Selective Deposition of AlOx and Al-Silicate for Fully Self-Aligned Via Integration.	О
82	Adsorbed p -Aminothiophenol Molecules on Platinum Nanoparticles Improve Electrocatalytic Hydrogen Evolution. 2207135	O
81	Ultrasensitive Electrochemical Phosphate Detection by Pyridine-zinc(II) Complex.	Ο
80	High Performance nAl@CuO Core-shell Particles with Improved Combustion Efficiency and the Effect of Interfacial Layers on Combustion. 2023 , 168879	O

79	Controllable Low-Bias Rectifying Behaviors Induced by AA-P2 Dopants in Armchair Silicene Nanoribbons with Different Widths. 2023 , 13, 106	0
78	Triptycene-Based Tripodal Self-Assembled Monolayer on Indium Tin Oxide.	1
77	Rapid fabrication of interdigitated electrodes by laser ablation with application to electrokinetically enhanced surface plasmon resonance imaging. 2023 , 161, 109167	0
76	Design and Preparation of Sensing Surfaces for Capacitive Biodetection. 2023 , 13, 17	O
75	Biosensors: Electrochemical Devices©eneral Concepts and Performance. 2023, 13, 44	1
74	Surface Passivation of Niobium Superconducting Quantum Circuits Using Self-Assembled Monolayers. 2023 , 15, 2319-2328	O
73	Charge Transport Measured Using the EGaIn Junction through Self-Assembled Monolayers Immersed in Organic Liquids. 2023 , 127, 407-424	0
7²	Strategic role of nanotechnology in plant growth improvement and crop production. 2023 , 25-49	O
71	The Effect of Counterions on the Detection of Cu2+ Ions in Aqueous Solutions Using Quartz Tuning Fork (QTF) Sensors Modified with L-Cysteine Self-Assembled Monolayers: Experimental and Quantum Chemical DFT Study. 2023 , 11, 88	0
70	Characterization and Application of Supramolecular Junctions.	O
69	From Glass to Gold: Visualization of Electrostatic Self-Assembly of Gold Nanoparticles.	0
68	Aggregation-Induced Emission-Active Nanostructures: Beyond Biomedical Applications.	O
67	Spontaneous Intercluster Electron Transfer $X2\mathbb{P} \times 0 \rightarrow 2 \times \mathbb{I} \times 0 = 0$ Promotion by Long Alkyl Chains.	0
66	Fast Response Fluorescent Probe with a Large Stokes Shift for Thiophenol Detection in Water Samples and Cell Imaging. 2023 , 7, 69-78	1
65	Characterization and Application of Supramolecular Junctions.	0
64	Nanoparticle protein corona: from structure and function to therapeutic targeting.	Ο
63	Nano-inspired biosensors and plant diseases: recent advances and challenges. 2023, 135-162	0
62	Surface modification and functionalization of ceramic composite using self-assembled monolayer and graft polymerization. 2023 , 21-44	O

61	Monolayer Integration of Organic Semiconductors. 2023, 71-78	O
60	Adaptive 2D and Pseudo-2D Systems: Molecular, Polymeric, and Colloidal Building Blocks for Tailored Complexity. 2023 , 13, 855	O
59	Recent advances on (3+2) cycloaddition of Azomethine Ylide	0
58	Monitoring Cardiac Biomarkers with Aptamer-Based Molecular Pendulum Sensors.	O
57	Tackling orientation of metal-organic frameworks (MOFs): The quest to enhance MOF performance. 2023 , 481, 215043	0
56	Charge migration of ferrocene-labeled peptide self-assembled monolayers at various interfaces: the roles of peptide composition. 2023 , 142419	O
55	Stability of supported hybrid lipid bilayers on chemically and topographically-modified surfaces. 2023 , 664, 131125	O
54	Smart electrochemical sensor with enhanced sensitivity for the determination of antihypertensive drug felodipine. 2023 , 211, 112647	O
53	Hidden Dynamics of Noble-metal-bound Thiol Monolayers Revealed by SERS-monitored Entropy-driven Exchange of Cysteine Isotopologues. 2023 , 623, 156985	O
52	The effect of terminal group of hole injection self-assembled monolayers on the performance of optoelectronic devices on ITO anodes. 2023 , 301, 127666	O
51	Length-dependent high-frequency response of aromatic and aliphatic molecules: predictions from first-principles calculations. 2023 , 178, 111343	0
50	Bioactive peptides for boosting stem cell culture platform: Methods and applications. 2023 , 160, 114376	O
49	Modular Metal-Quinone Networks with Tunable Architecture and Functionality. 2023, 135,	О
48	Modular Metal-Quinone Networks with Tunable Architecture and Functionality. 2023, 62,	O
47	Ordered/Disordered Structures of Water at Solid/Liquid Interfaces. 2023 , 13, 263	О
46	Aromatic self-assembled monolayers with pentafluoro-B-sulfanyl (BF5) termination: Molecular organization and charge transport properties.	O
45	Formation and Thermal Stability of Ordered Self-Assembled Monolayers by the Adsorption of Amide-Containing Alkanethiols on Au(111). 2023 , 24, 3241	O
44	Combining the Curvature and Ligand Effects for Regioselective Growth on Au Nano-bipyramids.	O

43	Designing All-Photonic Molecular Analogs for Electrical Components: A Reprogrammable Luminescent Filter Based on Ln 3+ Ions. 2200877	O
42	Fabrication of a Polymer Nano Nozzle for Electrohydrodynamic Small-Molecule Solvent Inkjet Printing. 2023 , 6, 3046-3053	O
41	Alkyl-Parity Controlled Switching of Polar/Antipolar Organic Semiconductors.	O
40	Interface engineering to enhance charge carrier injection in Ph-BTBT-10 organic thin-film transistor with silver source-drain electrodes. 1-8	O
39	MetalAdsorbate Interactions Modulate Plasmonic Reactivity of Chemisorbed Nitrophenyl Derivatives. 2023 , 127, 4104-4114	О
38	Electroactive substrates for surface-enhanced Raman spectroscopy based on overgrown gold-nanoparticle arrays by electrodeposition on indium tin oxide. 2023 , 4, 1378-1388	O
37	Maskless, Reusable Visible-Light Direct-Write Stamp for Microscale Surface Patterning. 2023 , 15, 11259	-11267 ₀
36	A Review of Detection Methods for Vancomycin-Resistant Enterococci (VRE) Genes: From Conventional Approaches to Potentially Electrochemical DNA Biosensors. 2023 , 13, 294	O
35	Understanding ligand-protected noble metal nanoclusters at work.	O
34	Peptide Self-Assembly into Amyloid Fibrils at Hard and Soft Interfaces E rom Corona Formation to Membrane Activity. 2200576	O
33	Peel tests for quantifying adhesion and toughness: A review. 2023 , 101086	O
32	A review on understanding the efficient source of balanced crop nutrition through nanotechnology in agriculture. 1-11	O
31	Investigating the Electric Field Lysis of Exosomes Immobilized on the Screen-Printed Electrode and Electrochemical Sensing of the Lysed-Exosome-Derived Protein. 2023 , 13, 323	1
30	Molecular Scale Structure and Kinetics of Layer-by-Layer Peptide Self-Organization at Atomically Flat Solid Surfaces.	O
29	Triptycene-Based Self-Assembled Monolayer as a Template for Successive Click Reactions. 2023 , 127, 5178-5185	О
28	Formation of a Dodecanethiol Film on an Oxide-Free Nickel Electrode from Aqueous and AqueousAlcoholic Solutions Under Electrochemical Control. 2022 , 17, 758-765	O
27	Week-Long Operation of Electrochemical Aptamer Sensors: New Insights into Self-Assembled Monolayer Degradation Mechanisms and Solutions for Stability in Serum at Body Temperature. 2023 , 8, 1119-1131	O
26	Molecular Catalysts Immobilised on Photocathodes for Solar Fuel Generation. 2023 , 120-156	O

25	Molecular switching on surfaces. 2023 , 100596	О
24	Electrochemical Stability of Thiolate Self-Assembled Monolayers on Au, Pt, and Cu.	O
23	Monitoring Cardiac Biomarkers with Aptamer-Based Molecular Pendulum Sensors.	О
22	Molecule-Electrode Interfaces Controlled by Bulky Long-Legged Ligands in Organometallic Molecular Wires. 2023 , 10,	O
21	Revisiting Alkoxysilane Assembly on Silica Surfaces: Grafting versus Homo-Condensation in Solution. 2023 , 145, 6671-6681	0
20	Implication of Current№oltage Curve Shape in Molecular Electronics. 2023 , 127, 6025-6033	O
19	Penetration Coefficients of Commercial Nanolimes and a Liquid Mineral Precursor for Pore-Imitating Test Systems Predictability of Infiltration Behavior. 2023 , 16, 2506	O
18	Understanding the Two-Dimensional Mixing Behavior of 1-Naphthalenethiol and Octanethiol. 2023 , 127, 6531-6542	O
17	Conductometric sensor for gaseous sulfur-mustard simulant by gold nanoparticles anchored on ZnO nanosheets prepared via microwave irradiation. 2023 , 386, 133726	0
16	Active Control of Contact Angles of Various Liquids from the Response of Self-Assembled Thiol Molecules to Electric Current. 2023 , 39, 5021-5030	O
15	Green Synthesis of Zinc Oxide Nanoparticles using Leaf Extract of Causonis trifolia (L.) and its Applications on Germination and Growth Enhancement of Mustard Seeds. 2023 , 35, 923-928	0
14	Controlled Vertical Transfer of Individual Au Atoms Using a Surface Supported Carbon Radical for Atomically Precise Manufacturing.	Ο
13	Comparison of different noble metal-based screen-printed sensors for detection of PIK3CA point-mutations as biomarker for circulating tumor DNA. 2023 , 142336	0
12	Nanotechnology and Medicine: The Interphase. 2023 , 1-31	O
11	Approaching the Geometric Limit of Bacteriophage Conjugation to Gold: Synergy of Purification with Covalent and Physisorption Strategies.	O
10	Reactive etching of gallium oxide on eutectic gallium indium (eGaIn) with chlorosilane vapor to induce differential wetting.	O
9	Molecular Dynamics Investigation of Nanoscale Hydrophobicity of Polymer Surfaces: What Makes Water Wet?.	0
8	Multifunctional organic monolayer-based coatings for implantable biosensors and bioelectronic devices: Review and perspectives. 2023 , 14, 100349	O

7	Supramolecular Cucurbit[7]uril@Ferrocene Complexation on Surface: From Nanostructure Differentiation to Guest Quantitation.	О
6	Biomineralization in Barnacle Base Plate in Association with Adhesive Cement Protein.	O
5	Molecular Engineering of Bio-Assemblies: Prospects and Design Rules for Sustainable, Wearable Electromechanical Materials. 2023 , 245-269	О
4	Materials. 2023 , 119-187	O
3	Polyethylene Glycol-Mediated Directional Conjugation of Biological Molecules for Enhanced Immunoassays at the Point-of-Care.	О
2	Influence of the defect density on the ordering of an NHC monolayer on a silicon surface.	O
1	Adsorption and Dissociation of R-Methyl p-Tolyl Sulfoxide on Au(111). 2023 , 8, 16471-16478	0