Sang Woo Han Han

List of Publications by Year in Descending Order

179 papers	8,397 citations	52 h-index	84 g-index
189 ext. papers	9,012 ext. citations	7.4 avg, IF	6 L-index

#	Paper	IF	Citations
179	Nanogap-tailored Au nanoparticles fabricated by pulsed laser ablation for surface-enhanced Raman scattering. *Biosensors and Bioelectronics*, **2022**, 197, 113766	11.8	5
178	Understanding the Grain Boundary Behavior of Bimetallic Platinum–Cobalt Alloy Nanowires toward Oxygen Electro-Reduction. *ACS Catalysis*, **2022**, 12, 3516-3523	13.1	3
177	Pt Nanostructures Fabricated by Local Hydrothermal Synthesis for Low-Power Catalytic-Combustion Hydrogen Sensors. *ACS Applied Nano Materials*, **2021**, 4, 7-12	5.6	5
176	Ag-CdS Yolk–Shell Heteronanostructures for Plasmon-Enhanced Photocatalysis. *Bulletin of the Korean Chemical Society*, **2021**, 42, 806-809	1.2	3
175	Purification effect of carbon nanotube fibers on their surface modification to develop a high-performance and multifunctional nanocomposite fiber. *Carbon*, **2021**, 173, 376-383	10.4	4
174	Low-power thermocatalytic hydrogen sensor based on electrodeposited cauliflower-like nanostructured Pt black. *Sensors and Actuators B: Chemical*, **2021**, 329, 129129	8.5	6
173	High-Throughput 3D Ensemble Characterization of Individual Core-Shell Nanoparticles with X-ray Free Electron Laser Single-Particle Imaging. *ACS Nano*, **2021**, 15, 4066-4076	16.7	8
172	One-Pot Synthesis of Ternary Alloy Hollow Nanostructures with Controlled Morphologies for Electrocatalysis. *ACS Applied Materials & Interfaces*, **2021**, 13, 45538-45546	9.5	0
171	Electro-inductive effect: Electrodes as functional groups with tunable electronic properties. *Science* , **2020**, 370, 214-219	33.3	34
170	Core–Shell Bimetallic Nanoparticle Trimers for Efficient Light-to-Chemical Energy Conversion. *ACS Energy Letters*, **2020**, 5, 3881-3890	20.1	18
169	One-pot production of ceria nanosheet-supported PtNi alloy nanodendrites with high catalytic performance toward methanol oxidation and oxygen reduction. *Journal of Materials Chemistry A*, **2020**, 8, 25842-25849	13	13
168	Bio-inspired incorporation of functionalized graphene oxide into carbon nanotube fibers for their efficient mechanical reinforcement. *Composites Science and Technology*, **2019**, 181, 107680	8.6	6
167	Hierarchical metal–semiconductor–graphene ternary heteronanostructures for plasmon-enhanced wide-range visible-light photocatalysis. *Journal of Materials Chemistry A*, **2019**, 7, 15831-15840	13	19
166	Ultrafast Electron Microscopy Visualizes Acoustic Vibrations of Plasmonic Nanorods at the Interfaces. *Matter*, **2019**, 1, 481-495	12.7	18
165	Fine Control over the Compositional Structure of Trimetallic Core-Shell Nanocrystals for Enhanced Electrocatalysis. *ACS Applied Materials & Interfaces*, **2019**, 11, 25901-25908	9.5	10
164	Particle-in-a-Frame Nanostructures with Interior Nanogaps. *Angewandte Chemie*, **2019**, 131, 16037-16041	3.6	0
163	Particle-in-a-Frame Nanostructures with Interior Nanogaps. *Angewandte Chemie - International Edition*, **2019**, 58, 15890-15894	16.4	14

162	Core‐Shell Engineering of Pd‐Ag Bimetallic Catalysts for Efficient Hydrogen Production from Formic Acid Decomposition. *ACS Catalysis*, **2019**, 9, 819-826	13.1	57
161	The surface plasmon-induced hot carrier effect on the catalytic activity of CO oxidation on a CuO/hexoctahedral Au inverse catalyst. *Nanoscale*, **2018**, 10, 10835-10843	7.7	27
160	Metal‐Semiconductor yolk‐Shell heteronanostructures for plasmon-enhanced photocatalytic hydrogen evolution. *Journal of Materials Chemistry A*, **2018**, 6, 4068-4078	13	43
159	Site-selectively Pt-decorated PdPt bimetallic nanosheets characterized by electrocatalytic property for methanol oxidation. *Materials Chemistry and Physics*, **2018**, 214, 201-208	4.4	17
158	Colloidal Clusters of Bimetallic Core‐Shell Nanoparticles for Enhanced Sensing of Hydrogen in Aqueous Solution. *Particle and Particle Systems Characterization*, **2018**, 35, 1700380	3.1	7
157	Metal‐Semiconductor ternary hybrids for efficient visible-light photocatalytic hydrogen evolution. *Journal of Materials Chemistry A*, **2018**, 6, 13225-13235	13	24
156	Photoelectric Memory Effect in Graphene Heterostructure Field-Effect Transistors Based on Dual Dielectrics. *ACS Photonics*, **2018**, 5, 329-336	6.3	10
155	Plasmon-enhanced electrocatalysis from synergistic hybrids of noble metal nanocrystals. *Current Opinion in Electrochemistry*, **2017**, 4, 11-17	7.2	12
154	Regulating the Catalytic Function of Reduced Graphene Oxides Using Capping Agents for Metal-Free Catalysis. *ACS Applied Materials & Interfaces*, **2017**, 9, 1692-1701	9.5	20
153	Core-Shell Nanoparticle Clusters Enable Synergistic Integration of Plasmonic and Catalytic Functions in a Single Platform. *Small*, **2017**, 13, 1701633	11	21
152	Colloidal Clusters of Plasmonic Nanoparticles with Controlled Topological Parameters. *ChemNanoMat*, **2017**, 3, 772-778	3.5	7
151	Dendritic Ternary Alloy Nanocrystals for Enhanced Electrocatalytic Oxidation Reactions. *ACS Applied Materials & Interfaces*, **2017**, 9, 44018-44026	9.5	27
150	Enhancing the Activity of Platinum-Based Nanocrystal Catalysts for Organic Synthesis through Electronic Structure Modification. *ChemCatChem*, **2016**, 8, 2450-2454	5.2	2
149	Metal-Semiconductor Heteronanocrystals with Desired Configurations for Plasmonic Photocatalysis. *Journal of the American Chemical Society*, **2016**, 138, 15766-15773	16.4	98
148	Probing organic ligands and their binding schemes on nanocrystals by mass spectrometric and FT-IR spectroscopic imaging. *Nanoscale*, **2016**, 8, 4573-8	7.7	17
147	Size-controlled gold nano-tetradecapods with tunable optical and electromagnetic properties. *Journal of Materials Chemistry C*, **2016**, 4, 3149-3156	7.1	7
146	Gold Nanocrystals with Well-Defined Crystallographic {111} Facets Suppress Pathological Neovascularization. *Journal of Biomedical Nanotechnology*, **2016**, 12, 1520-26	4	2
145	Synthesis, Optical Properties, and Multiplexed Raman Bio-Imaging of Surface Roughness-Controlled Nanobridged Nanogap Particles. *Small*, **2016**, 12, 4726-34	11	43

144	Noble-Metal Nanocrystals with Controlled Facets for Electrocatalysis. *Chemistry - an Asian Journal*, **2016**, 11, 2224-39	4.5	47
143	One-pot synthesis of Pd@Pt core–shell nanocrystals for electrocatalysis: control of crystal morphology with polyoxometalate. *CrystEngComm*, **2016**, 18, 6029-6034	3.3	8
142	Ultrathin Free-Standing Ternary-Alloy Nanosheets. *Angewandte Chemie*, **2016**, 128, 2803-2808	3.6	26
141	Ultrathin Free-Standing Ternary-Alloy Nanosheets. *Angewandte Chemie - International Edition*, **2016**, 55, 2753-8	16.4	150
140	Structural analysis of negative ions by postsource decay in time-of-flight secondary ion mass spectrometry. *Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics*, **2016**, 34, 03H133	1.3	1
139	Controlled synthesis of highly multi-branched Pt-based alloy nanocrystals with high catalytic performance. *CrystEngComm*, **2016**, 18, 2356-2362	3.3	14
138	Shape-dependent adhesion and friction of Au nanoparticles probed with atomic force microscopy. *Nanotechnology*, **2015**, 26, 135707	3.4	2
137	A Facile Route for Patterned Growth of Metal-Insulator Carbon Lateral Junction through One-Pot Synthesis. *ACS Nano*, **2015**, 9, 8352-60	16.7	7
136	The controlled synthesis of plasmonic nanoparticle clusters as efficient surface-enhanced Raman scattering platforms. *Chemical Communications*, **2015**, 51, 8793-6	5.8	15
135	Guided formation of sub-5 nm interstitial gaps between plasmonic nanodisks. *Nanoscale*, **2015**, 7, 8338-42	7.7	11
134	Phosphinite-Ni(0) mediated formation of a phosphide-Ni(II)-OCOOMe species via uncommon metal-ligand cooperation. *Journal of the American Chemical Society*, **2015**, 137, 4280-3	16.4	50
133	Nanoparticles inside nanodishes for plasmon excitations. *Applied Physics Letters*, **2015**, 107, 203102	3.4	9
132	Control of Microbial Growth in Alginate/Polydopamine Core/Shell Microbeads. *Chemistry - an Asian Journal*, **2015**, 10, 2130-3	4.5	18
131	Polyoxometalate-mediated one-pot synthesis of Pd nanocrystals with controlled morphologies for efficient chemical and electrochemical catalysis. *Chemistry - A European Journal*, **2015**, 21, 5387-94	4.8	14
130	Synthesis of chestnut-bur-like palladium nanostructures and their enhanced electrocatalytic activities for ethanol oxidation. *Nanoscale*, **2014**, 6, 4182-7	7.7	36
129	One-pot synthesis and electrocatalytic properties of Pd@Pt core-shell nanocrystals with tailored morphologies. *Chemistry - A European Journal*, **2014**, 20, 7901-5	4.8	35
128	One-pot self-templating synthesis of Pt hollow nanostructures and their catalytic properties for CO oxidation. *Chemistry - A European Journal*, **2014**, 20, 11669-74	4.8	18
127	The facet-dependent enhanced catalytic activity of Pd nanocrystals. *Chemical Communications*, **2014**, 50, 9454-7	5.8	36

126	High performance organic photovoltaics with plasmonic-coupled metal nanoparticle clusters. *ACS Nano*, **2014**, 8, 10305-12	16.7	74
125	One-pot synthesis of Au@Pd core-shell nanocrystals with multiple high- and low-index facets and their high electrocatalytic performance. *Nanoscale*, **2014**, 6, 9798-805	7.7	36
124	Universal sulfide-assisted synthesis of M-Ag heterodimers (M = Pd, Au, Pt) as efficient platforms for fabricating metal-semiconductor heteronanostructures. *Journal of the American Chemical Society*, **2014**, 136, 5221-4	16.4	38
123	Comparative study of the ToF-SIMS, FT-IR and XPS techniques for quantitative analyses of mixed self-assembled monolayers. *Surface and Interface Analysis*, **2014**, 46, 110-114	1.5	1
122	Cytoprotective Alginate/Polydopamine Core/Shell Microcapsules in Microbial Encapsulation. *Angewandte Chemie*, **2014**, 126, 14671-14674	3.6	4
121	Cytoprotective alginate/polydopamine core/shell microcapsules in microbial encapsulation. *Angewandte Chemie - International Edition*, **2014**, 53, 14443-6	16.4	69
120	Synthesis and Surface-Enhanced Raman Scattering Property of Pentagonal Dodecahedral Au Nanocrystals. *Bulletin of the Korean Chemical Society*, **2014**, 35, 958-960	1.2	
119	Au@Pd nanostructures with tunable morphologies and sizes and their enhanced electrocatalytic activity. *CrystEngComm*, **2013**, 15, 7113	3.3	29
118	One-pot synthesis of trimetallic Au@PdPt core-shell nanoparticles with high catalytic performance. *ACS Nano*, **2013**, 7, 7945-55	16.7	175
117	Discovery of hepatitis C virus NS3 helicase inhibitors by a multiplexed, high-throughput helicase activity assay based on graphene oxide. *Angewandte Chemie - International Edition*, **2013**, 52, 2340-4	16.4	60
116	A new helicase assay based on graphene oxide for anti-viral drug development. *Molecules and Cells*, **2013**, 35, 269-73	3.5	16
115	Quantitative and multiplexed microRNA sensing in living cells based on peptide nucleic acid and nano graphene oxide (PANGO). *ACS Nano*, **2013**, 7, 5882-91	16.7	252
114	One-pot synthesis of CeO$_2$-supported Pd-Cu-alloy nanocubes with high catalytic activity. *Chemistry - A European Journal*, **2013**, 19, 8053-7	4.8	20
113	Anodized pore structural evolution of focused ion beam patterned Al: direct analysis of branched nanopores and nanosacks. *Physical Chemistry Chemical Physics*, **2013**, 15, 10659-65	3.6	9
112	The effective nuclear delivery of doxorubicin from dextran-coated gold nanoparticles larger than nuclear pores. *Biomaterials*, **2013**, 34, 3503-10	15.6	76
111	Kinetically controlled growth of polyhedral bimetallic alloy nanocrystals exclusively bound by high-index facets: Au-Pd hexoctahedra. *Small*, **2013**, 9, 660-5	11	50
110	Shape Transformation of Gold Nanoparticles from Octahedron to Cube Depending on in situ Seed-Growth Time. *Bulletin of the Korean Chemical Society*, **2013**, 34, 2243-2244	1.2	10
109	Discovery of Hepatitis C Virus NS3 Helicase Inhibitors by a Multiplexed, High-Throughput Helicase Activity Assay Based on Graphene Oxide. *Angewandte Chemie*, **2013**, 125, 2396-2400	3.6	2

108	Designed synthesis of well-defined Pd@Pt core-shell nanoparticles with controlled shell thickness as efficient oxygen reduction electrocatalysts. *Chemistry - A European Journal*, **2013**, 19, 8190-8	4.8	85
107	Nitrogen-Doped Pt/C Electrocatalysts with Enhanced Activity and Stability toward the Oxygen Reduction Reaction. *ChemPlusChem*, **2013**, 78, 1252-1257	2.8	6
106	Alloy Nanocrystals: Kinetically Controlled Growth of Polyhedral Bimetallic Alloy Nanocrystals Exclusively Bound by High-Index Facets: AuPd Hexoctahedra (Small 5/2013). *Small*, **2013**, 9, 646-646	11	1
105	Convex Polyhedral Au@Pd Core–Shell Nanocrystals with High-Index Facets. *Angewandte Chemie*, **2012**, 124, 163-167	3.6	22
104	Convex polyhedral Au@Pd core-shell nanocrystals with high-index facets. *Angewandte Chemie - International Edition*, **2012**, 51, 159-63	16.4	123
103	Controlled synthesis of Pd-Pt alloy hollow nanostructures with enhanced catalytic activities for oxygen reduction. *ACS Nano*, **2012**, 6, 2410-9	16.7	316
102	Trisoctahedral Au-Pd alloy nanocrystals with high-index facets and their excellent catalytic performance. *Chemistry - A European Journal*, **2012**, 18, 16626-30	4.8	37
101	One-pot synthesis of monodisperse 5 nm Pd-Ni nanoalloys for electrocatalytic ethanol oxidation. *ACS Applied Materials & Interfaces*, **2012**, 4, 4208-14	9.5	86
100	Reshaping nanocrystals for tunable plasmonic substrates. *ACS Applied Materials & Interfaces*, **2012**, 4, 5038-43	9.5	23
99	Graphene oxide sheath on Ag nanoparticle/graphene hybrid films as an antioxidative coating and enhancer of surface-enhanced Raman scattering. *ACS Applied Materials & Interfaces*, **2012**, 4, 6545-51	9.5	86
98	Composition-controlled PtCo alloy nanocubes with tuned electrocatalytic activity for oxygen reduction. *ACS Applied Materials & Interfaces*, **2012**, 4, 6228-34	9.5	89
97	Multimetallic alloy nanotubes with nanoporous framework. *ACS Nano*, **2012**, 6, 5659-67	16.7	66
96	A new route toward ultrasensitive, flexible chemical sensors: metal nanotubes by wet-chemical synthesis along sacrificial nanowire templates. *ACS Nano*, **2012**, 6, 598-608	16.7	117
95	Hexoctahedral Au nanocrystals with high-index facets and their optical and surface-enhanced Raman scattering properties. *Journal of the American Chemical Society*, **2012**, 134, 4565-8	16.4	134
94	Synthesis and photocatalytic properties of Cu2S-Pd4S hybrid nanoplates. *Chemistry - A European Journal*, **2012**, 18, 5874-8	4.8	18
93	Formation of flower-like Ag colloids using pulsed proton beam. *Journal of Nanoscience and Nanotechnology*, **2012**, 12, 4379-83	1.3	
92	Novel fabrication method of diverse one-dimensional Pt/ZnO hybrid nanostructures and its sensor application. *Nanotechnology*, **2011**, 22, 035601	3.4	25
91	One-pot synthesis and electrocatalytic activity of octapodal Au-Pd nanoparticles. *Chemical Communications*, **2011**, 47, 2553-5	5.8	76

90	One-pot synthesis of carbon-supported dendritic Pd-Au nanoalloys for electrocatalytic ethanol oxidation. *Chemistry - an Asian Journal*, **2011**, 6, 909-13	4.5	48
89	A facile one-pot synthesis and enhanced formic acid oxidation of monodisperse Pd-Cu nanocatalysts. *Chemistry - an Asian Journal*, **2011**, 6, 1515-9	4.5	34
88	Simple Electrodeposition of Dendritic Au Rods from Sulfite-Based Au(I) Electrolytes with High Electrocatalytic and SERS Activities. *Electroanalysis*, **2011**, 23, 2030-2035	3	19
87	Immunosensing Microchip Using Fast and Selective Preparation of an Iridium Oxide Nanoparticle-Based Pseudoreference Electrode. *Electroanalysis*, **2011**, 23, 2042-2048	3	5
86	Polyhedral Bimetallic Alloy Nanocrystals Exclusively Bound by {110} Facets: AuPd Rhombic Dodecahedra. *Angewandte Chemie*, **2011**, 123, 3528-3532	3.6	40
85	Atomic-Distribution-Dependent Electrocatalytic Activity of AuPd Bimetallic Nanocrystals. *Angewandte Chemie*, **2011**, 123, 9038-9042	3.6	71
84	Polyhedral bimetallic alloy nanocrystals exclusively bound by {110} facets: Au-Pd rhombic dodecahedra. *Angewandte Chemie - International Edition*, **2011**, 50, 3466-70	16.4	96
83	Atomic-distribution-dependent electrocatalytic activity of Au-Pd bimetallic nanocrystals. *Angewandte Chemie - International Edition*, **2011**, 50, 8876-80	16.4	183
82	Shape-controlled synthesis of Pt3Co nanocrystals with high electrocatalytic activity toward oxygen reduction. *Chemistry - A European Journal*, **2011**, 17, 12280-4	4.8	52
81	Structural Transitions of Octanethiol Self-Assembled Monolayers on Gold Nanoplates after Mild Thermal Annealing. *Journal of Physical Chemistry C*, **2011**, 115, 5868-5874	3.8	27
80	Facile synthesis of noble metal nanotubes by using ZnO nanowires as sacrificial scaffolds and their electrocatalytic properties. *Chemical Communications*, **2011**, 47, 6299-301	5.8	29
79	Synthesis and Electrocatalytic Activity of AuPd Alloy Nanodendrites for Ethanol Oxidation. *Journal of Physical Chemistry C*, **2010**, 114, 7689-7693	3.8	194
78	Shaping Pd nanocatalysts through the control of reaction sequence. *Chemical Communications*, **2010**, 46, 1535-7	5.8	70
77	The direct growth of gold rods on graphene thin films. *Chemical Communications*, **2010**, 46, 3185-7	5.8	95
76	Synthesis and characterization of Pt(9)Co nanocubes with high activity for oxygen reduction. *Chemical Communications*, **2010**, 46, 4950-2	5.8	58
75	Effect of polymeric stabilizers on the catalytic activity of Pt nanoparticles synthesized by laser ablation. *Chemical Physics Letters*, **2010**, 484, 254-257	2.5	31
74	Synthesis of AuPt Heteronanostructures with Enhanced Electrocatalytic Activity toward Oxygen Reduction. *Angewandte Chemie*, **2010**, 122, 10395-10399	3.6	31
73	Synthesis of AuPt heteronanostructures with enhanced electrocatalytic activity toward oxygen reduction. *Angewandte Chemie - International Edition*, **2010**, 49, 10197-201	16.4	121

72	Effect of ligand structure on the catalytic activity of Au nanocrystals. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2010**, 372, 146-150	5.1	29
71	Controlled synthesis of Au nanoplates at the liquid/liquid interface. *Materials Letters*, **2009**, 63, 480-482	3.3	3
70	High-yield synthesis of multi-branched gold nanoparticles and their surface-enhanced Raman scattering properties. *Journal of Colloid and Interface Science*, **2009**, 329, 97-102	9.3	104
69	Size-controlled synthesis of monodisperse gold nanooctahedrons and their surface-enhanced Raman scattering properties. *Chemical Physics Letters*, **2009**, 468, 245-248	2.5	41
68	One-step synthesis of Au@Pd core-shell nanooctahedron. *Journal of the American Chemical Society*, **2009**, 131, 17036-7	16.4	298
67	Polyhedral Au nanocrystals exclusively bound by {110} facets: the rhombic dodecahedron. *Journal of the American Chemical Society*, **2009**, 131, 1672-3	16.4	118
66	Real-space mapping of the strongly coupled plasmons of nanoparticle dimers. *Nano Letters*, **2009**, 9, 3619-25	11.5	128
65	Nanoparticle assembly on nanoplates. *Chemical Communications*, **2009**, 1981-3	5.8	19
64	Optical nonlinearities of Au nanoparticles and Au/Ag coreshells. *Optics Letters*, **2009**, 34, 307-9	3	61
63	Organic-Free Au-Pd Alloys on Germanium Substrate via Spontaneous Galvanic Displacement Reaction. *Bulletin of the Korean Chemical Society*, **2009**, 30, 3113-3116	1.2	7
62	Synthesis and Characterization of Flower-Shaped Porous AuPd Alloy Nanoparticles. *Journal of Physical Chemistry C*, **2008**, 112, 6717-6722	3.8	145
61	Au-Doped Magnetic Silica Nanotube for Binding of Cysteine-Containing Proteins. *Chemistry of Materials*, **2008**, 20, 3809-3813	9.6	18
60	Nonplanarity of adenine: vibrational transition moment angle studies in helium nanodroplets. *Journal of Physical Chemistry A*, **2008**, 112, 7185-90	2.8	25
59	Fabrication of nanoporous superstructures through hierarchical self-assembly of nanoparticles. *Journal of Materials Chemistry*, **2008**, 18, 2208		29
58	Controlled synthesis and characterization of the enhanced local field of octahedral Au nanocrystals. *Chemical Communications*, **2008**, 6120-2	5.8	36
57	Anisotropic assembly of Ag nanoprisms. *Journal of the American Chemical Society*, **2008**, 130, 5432-3	16.4	90
56	Ultrasensitive electrochemical immunosensing using magnetic beads and gold nanocatalysts. *Biosensors and Bioelectronics*, **2008**, 23, 932-8	11.8	52
55	Structural and functional characterization of osmotically inducible protein C (OsmC) from Thermococcus kodakaraensis KOD1. *Biochimica Et Biophysica Acta - Proteins and Proteomics*, **2008**, 1784, 783-8	4	21

54	One-step fabrication of gold nanoparticles-silica composites with enhanced catalytic activity. *Chemical Physics Letters*, **2008**, 453, 77-81	2.5	24
53	Hexameric ring structure of a thermophilic archaeon NADH oxidase that produces predominantly H2O. *FEBS Journal*, **2008**, 275, 5355-66	5.7	26
52	Fabrication of metal nanoparticles□arbon nanotubes composite materials in solution. *Chemical Physics Letters*, **2007**, 440, 249-252	2.5	41
51	One-step synthesis of gold nanoparticles using azacryptand and their applications in SERS and catalysis. *Journal of Colloid and Interface Science*, **2007**, 316, 476-81	9.3	51
50	Chemical composition and antimicrobial activity of Chamaecyparis obtusa leaf essential oil. *F□□oterap□*, **2007**, 78, 149-52	3.2	55
49	Fabrication of Au□Ag Alloy Nanoprisms with Enhanced Catalytic Activity. *Chemistry Letters*, **2007**, 36, 1350-1351	1.7	27
48	Controlled Synthesis of Icosahedral Gold Nanoparticles and Their Surface-Enhanced Raman Scattering Property. *Journal of Physical Chemistry C*, **2007**, 111, 1161-1165	3.8	151
47	Self-assembled silver nanoprisms monolayers at the liquid/liquid interface. *Materials Letters*, **2006**, 60, 1622-1624	3.3	12
46	Physiological function of insoluble dietary fiber prepared from exploded oak wood (Quercus mongolica). *The American Journal of Chinese Medicine*, **2006**, 34, 87-97	6	2
45	Assembly of metal nanoparticle-carbon nanotube composite materials at the liquid/liquid interface. *Langmuir*, **2006**, 22, 1817-21	4	77
44	C60-mediated self-assembly of gold nanoparticles at the liquid/liquid interface. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2006**, 275, 79-82	5.1	18
43	High-yield synthesis of monodisperse polyhedral gold nanoparticles with controllable size and their surface-enhanced Raman scattering activity. *Chemical Physics Letters*, **2006**, 432, 209-212	2.5	21
42	Crown ether derivatives-mediated self-assembly of nanoparticles at the liquid/liquid interface. *Thin Solid Films*, **2006**, 515, 2049-2054	2.2	12
41	Oligomeric structure of the ATP-dependent protease La (Lon) of Escherichia coli. *Molecules and Cells*, **2006**, 21, 129-34	3.5	54
40	Cadmium(II) and mercury(II) complexes of an NO2S2-donor macrocycle and its ditopic xylyl-bridged analogue. *Dalton Transactions*, **2005**, 788-96	4.3	52
39	Chemical Lithography by Surface-Induced Photoreaction of Nitro Compounds. *ETRI Journal*, **2004**, 26, 38-44	1.4	1
38	Bioactive protein nanoarrays on nickel oxide surfaces formed by dip-pen nanolithography. *Angewandte Chemie - International Edition*, **2004**, 43, 1246-9	16.4	106
37	Bioactive Protein Nanoarrays on Nickel Oxide Surfaces Formed by Dip-Pen Nanolithography. *Angewandte Chemie*, **2004**, 116, 1266-1269	3.6	15

36	Controlled Growth of Layered Silver Stearate on 2D and 3D Surfaces. *ETRI Journal*, **2003**, 25, 517-522	1.4	2
35	Structure and thermal behavior of a layered silver hydroxyalkanecarboxylate. *Journal of Colloid and Interface Science*, **2003**, 264, 458-66	9.3	20
34	Formation of Patterned Continuous Calcium Carbonate Films on Self-Assembled Monolayers via Nanoparticle-Directed Crystallization. *Advanced Materials*, **2002**, 14, 1640-1643	24	25
33	Patterning of Organic Monolayers on Silver via Surface-Induced Photoreaction. *Langmuir*, **2002**, 18, 182-187	4	66
32	Structure and Thermal Behavior of a Layered Silver Carboxylate. *Journal of Physical Chemistry B*, **2002**, 106, 2892-2900	3.4	86
31	Structure and Thermal Behavior of Layered Silver Perfluorocarboxylates. *Journal of Physical Chemistry B*, **2002**, 106, 7439-7444	3.4	23
30	Perfluorocarbon-stabilized silver nanoparticles manufactured from layered silver carboxylates. *Chemical Communications*, **2002**, 442-3	5.8	35
29	Controlled growth of layered silver stearate on patterned organic monolayers. *Journal of Materials Chemistry*, **2002**, 12, 14-16		1
28	Simultaneous preparation of SERS-active metal colloids and plates by laser ablation. *Journal of Raman Spectroscopy*, **2001**, 32, 947-952	2.3	38
27	Adsorption of 1,4-Benzenedithiol on Gold and Silver Surfaces: Surface-Enhanced Raman Scattering Study. *Journal of Colloid and Interface Science*, **2001**, 240, 391-399	9.3	141
26	Self-Assembled Monolayers of Organoselenium Compounds on Gold: Surface-Enhanced Raman Scattering Study. *Journal of Colloid and Interface Science*, **2001**, 240, 492-497	9.3	32
25	Nanoparticle-Directed Crystallization of Calcium Carbonate. *Advanced Materials*, **2001**, 13, 1617-1620	24	59
24	Phase behavior of organic-inorganic crystal. *European Physical Journal D*, **2001**, 16, 293-296	1.3	10
23	Adsorption Characteristics of Aliphatic Dithiols on Silver and Gold Revealed by Ellipsometry and FT-IR Spectroscopy. *Molecular Crystals and Liquid Crystals*, **2001**, 371, 355-358		5
22	Temperature-Dependent FT-IR Spectroscopy Study of Silver 1,9-Nonanedithiolate. *Applied Spectroscopy*, **2001**, 55, 1085-1091	3.1	2
21	Production of Au-Ag alloy nanoparticles by laser ablation of bulk alloys. *Chemical Communications*, **2001**, 1782-3	5.8	163
20	Self-Assembled Monolayers of Aromatic Thiol and Selenol on Silver: Comparative Study of Adsorptivity and Stability. *Langmuir*, **2001**, 17, 6981-6987	4	120
19	Adsorption and stability of phthalic acid on a colloidal silver surface: surface-enhanced Raman scattering study. *Journal of Raman Spectroscopy*, **2000**, 31, 145-150	2.3	47

18	Adsorption characteristics of 4-dimethylaminobenzoic acid on silver and titania: diffuse reflectance infrared Fourier transform spectroscopy study. *Vibrational Spectroscopy*, **2000**, 24, 265-275	2.1	49
17	Surface-Enhanced Raman Scattering of Aromatic Sulfides in Aqueous Gold Sol. *Applied Spectroscopy* , **2000**, 54, 378-383	3.1	25
16	Adsorption Characteristics of 1,3-Propanedithiol on Gold: Surface-Enhanced Raman Scattering and Ellipsometry Study. *Journal of Physical Chemistry B*, **2000**, 104, 6218-6224	3.4	54
15	Adsorption Characteristics of Anthraquinone-2-carboxylic Acid on Gold. *Journal of Physical Chemistry B*, **2000**, 104, 11987-11995	3.4	94
14	Multilayer Formation of 1,2-Ethanedithiol on Gold:´Surface-Enhanced Raman Scattering and Ellipsometry Study. *Langmuir*, **2000**, 16, 5391-5396	4	58
13	Surface-Induced Photoreaction of Benzyl Phenyl Sulfide Monolayers on Silver and Its Application to Preparing Patterned Binary Monolayers. *Langmuir*, **2000**, 16, 9963-9967	4	21
12	Adsorption and Reaction of 4-Nitrobenzoic Acid on Functionalized Alkanethiol Monolayers on Powdered Silver:´Infrared and Raman Spectroscopy Study. *Langmuir*, **2000**, 16, 1149-1157	4	34
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