

# Sang Woo Han Han

## List of Publications by Citations

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189  
ext. papers

9,012  
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
179	Controlled synthesis of Pd-Pt alloy hollow nanostructures with enhanced catalytic activities for oxygen reduction. <i>ACS Nano</i> , <b>2012</b> , 6, 2410-9	16.7	316
178	One-step synthesis of Au@Pd core-shell nanooctahedron. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 17036-7	16.4	298
177	Quantitative and multiplexed microRNA sensing in living cells based on peptide nucleic acid and nano graphene oxide (PANGO). <i>ACS Nano</i> , <b>2013</b> , 7, 5882-91	16.7	252
176	Dodecanethiol-Derivatized Au/Ag Bimetallic Nanoparticles: TEM, UV/VIS, XPS, and FTIR Analysis. <i>Journal of Colloid and Interface Science</i> , <b>1998</b> , 208, 272-278	9.3	233
175	Synthesis and Electrocatalytic Activity of AuPd Alloy Nanodendrites for Ethanol Oxidation. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 7689-7693	3.8	194
174	Atomic-distribution-dependent electrocatalytic activity of Au-Pd bimetallic nanocrystals. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 8876-80	16.4	183
173	One-pot synthesis of trimetallic Au@PdPt core-shell nanoparticles with high catalytic performance. <i>ACS Nano</i> , <b>2013</b> , 7, 7945-55	16.7	175
172	Production of Au-Ag alloy nanoparticles by laser ablation of bulk alloys. <i>Chemical Communications</i> , <b>2001</b> , 1782-3	5.8	163
171	Controlled Synthesis of Icosahedral Gold Nanoparticles and Their Surface-Enhanced Raman Scattering Property. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 1161-1165	3.8	151
170	Ultrathin Free-Standing Ternary-Alloy Nanosheets. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 2753-8	16.4	150
169	Synthesis and Characterization of Flower-Shaped Porous AuPd Alloy Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 6717-6722	3.8	145
168	Adsorption of 1,4-Benzenedithiol on Gold and Silver Surfaces: Surface-Enhanced Raman Scattering Study. <i>Journal of Colloid and Interface Science</i> , <b>2001</b> , 240, 391-399	9.3	141
167	Hexoctahedral Au nanocrystals with high-index facets and their optical and surface-enhanced Raman scattering properties. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 4565-8	16.4	134
166	Real-space mapping of the strongly coupled plasmons of nanoparticle dimers. <i>Nano Letters</i> , <b>2009</b> , 9, 3619-25	11.5	128
165	Convex polyhedral Au@Pd core-shell nanocrystals with high-index facets. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 159-63	16.4	123
164	Synthesis of AuPt heteronanostructures with enhanced electrocatalytic activity toward oxygen reduction. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 10197-201	16.4	121
163	Self-Assembled Monolayers of Aromatic Thiol and Selenol on Silver: Comparative Study of Adsorptivity and Stability. <i>Langmuir</i> , <b>2001</b> , 17, 6981-6987	4	120

162	Polyhedral Au nanocrystals exclusively bound by {110} facets: the rhombic dodecahedron. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 1672-3	16.4	118
161	A new route toward ultrasensitive, flexible chemical sensors: metal nanotubes by wet-chemical synthesis along sacrificial nanowire templates. <i>ACS Nano</i> , <b>2012</b> , 6, 598-608	16.7	117
160	Bioactive protein nanoarrays on nickel oxide surfaces formed by dip-pen nanolithography. <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 43, 1246-9	16.4	106
159	High-yield synthesis of multi-branched gold nanoparticles and their surface-enhanced Raman scattering properties. <i>Journal of Colloid and Interface Science</i> , <b>2009</b> , 329, 97-102	9.3	104
158	Metal-Semiconductor Heteronanocrystals with Desired Configurations for Plasmonic Photocatalysis. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 15766-15773	16.4	98
157	Polyhedral bimetallic alloy nanocrystals exclusively bound by {110} facets: Au-Pd rhombic dodecahedra. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 3466-70	16.4	96
156	The direct growth of gold rods on graphene thin films. <i>Chemical Communications</i> , <b>2010</b> , 46, 3185-7	5.8	95
155	Adsorption Characteristics of Anthraquinone-2-carboxylic Acid on Gold. <i>Journal of Physical Chemistry B</i> , <b>2000</b> , 104, 11987-11995	3.4	94
154	Adsorption Characteristics of p-Xylene-1,4-dithiol on Gold and Silver Surfaces: Surface-Enhanced Raman Scattering and Ellipsometry Study. <i>Journal of Physical Chemistry B</i> , <b>1999</b> , 103, 10831-10837	3.4	92
153	Anisotropic assembly of Ag nanoprisms. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 5432-3	16.4	90
152	Composition-controlled PtCo alloy nanocubes with tuned electrocatalytic activity for oxygen reduction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 6228-34	9.5	89
151	One-pot synthesis of monodisperse 5 nm Pd-Ni nanoalloys for electrocatalytic ethanol oxidation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 4208-14	9.5	86
150	Graphene oxide sheath on Ag nanoparticle/graphene hybrid films as an antioxidative coating and enhancer of surface-enhanced Raman scattering. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 6545-51	9.5	86
149	Structure and Thermal Behavior of a Layered Silver Carboxylate. <i>Journal of Physical Chemistry B</i> , <b>2002</b> , 106, 2892-2900	3.4	86
148	Designed synthesis of well-defined Pd@Pt core-shell nanoparticles with controlled shell thickness as efficient oxygen reduction electrocatalysts. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 8190-8	4.8	85
147	Assembly of metal nanoparticle-carbon nanotube composite materials at the liquid/liquid interface. <i>Langmuir</i> , <b>2006</b> , 22, 1817-21	4	77
146	The effective nuclear delivery of doxorubicin from dextran-coated gold nanoparticles larger than nuclear pores. <i>Biomaterials</i> , <b>2013</b> , 34, 3503-10	15.6	76
145	One-pot synthesis and electrocatalytic activity of octapodal Au-Pd nanoparticles. <i>Chemical Communications</i> , <b>2011</b> , 47, 2553-5	5.8	76

144	High performance organic photovoltaics with plasmonic-coupled metal nanoparticle clusters. <i>ACS Nano</i> , <b>2014</b> , 8, 10305-12	16.7	74
143	Atomic-Distribution-Dependent Electrocatalytic Activity of AuPd Bimetallic Nanocrystals. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 9038-9042	3.6	71
142	Shaping Pd nanocatalysts through the control of reaction sequence. <i>Chemical Communications</i> , <b>2010</b> , 46, 1535-7	5.8	70
141	Adsorption of 1,4-Phenylene Diisocyanide on Silver Investigated by Infrared and Raman Spectroscopy. <i>Langmuir</i> , <b>1999</b> , 15, 6868-6874	4	70
140	Cytoprotective alginate/polydopamine core/shell microcapsules in microbial encapsulation. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 14443-6	16.4	69
139	Multimetallic alloy nanotubes with nanoporous framework. <i>ACS Nano</i> , <b>2012</b> , 6, 5659-67	16.7	66
138	Patterning of Organic Monolayers on Silver via Surface-Induced Photoreaction. <i>Langmuir</i> , <b>2002</b> , 18, 182-187	18.7	66
137	Infrared Matrix Isolation Study of Acetone and Methanol in Solid Argon. <i>The Journal of Physical Chemistry</i> , <b>1996</b> , 100, 17124-17132		63
136	Optical nonlinearities of Au nanoparticles and Au/Ag coreshells. <i>Optics Letters</i> , <b>2009</b> , 34, 307-9	3	61
135	Discovery of hepatitis C virus NS3 helicase inhibitors by a multiplexed, high-throughput helicase activity assay based on graphene oxide. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 2340-4	16.4	60
134	Nanoparticle-Directed Crystallization of Calcium Carbonate. <i>Advanced Materials</i> , <b>2001</b> , 13, 1617-1620	24	59
133	Synthesis and characterization of Pt(9)Co nanocubes with high activity for oxygen reduction. <i>Chemical Communications</i> , <b>2010</b> , 46, 4950-2	5.8	58
132	Multilayer Formation of 1,2-Ethanedithiol on Gold: Surface-Enhanced Raman Scattering and Ellipsometry Study. <i>Langmuir</i> , <b>2000</b> , 16, 5391-5396	4	58
131	Core-Shell Engineering of PdAg Bimetallic Catalysts for Efficient Hydrogen Production from Formic Acid Decomposition. <i>ACS Catalysis</i> , <b>2019</b> , 9, 819-826	13.1	57
130	Chemical composition and antimicrobial activity of Chamaecyparis obtusa leaf essential oil. <i>Phytotherapy Research</i> , <b>2007</b> , 21, 149-52	3.2	55
129	Adsorption Characteristics of 1,3-Propanedithiol on Gold: Surface-Enhanced Raman Scattering and Ellipsometry Study. <i>Journal of Physical Chemistry B</i> , <b>2000</b> , 104, 6218-6224	3.4	54
128	Oligomeric structure of the ATP-dependent protease La (Lon) of Escherichia coli. <i>Molecules and Cells</i> , <b>2006</b> , 21, 129-34	3.5	54
127	Shape-controlled synthesis of Pt3Co nanocrystals with high electrocatalytic activity toward oxygen reduction. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 12280-4	4.8	52

126	Ultrasensitive electrochemical immunosensing using magnetic beads and gold nanocatalysts. <i>Biosensors and Bioelectronics</i> , <b>2008</b> , 23, 932-8	11.8	52
125	Cadmium(II) and mercury(II) complexes of an NO <sub>2</sub> S <sub>2</sub> -donor macrocycle and its ditopic xylyl-bridged analogue. <i>Dalton Transactions</i> , <b>2005</b> , 788-96	4.3	52
124	One-step synthesis of gold nanoparticles using azacryptand and their applications in SERS and catalysis. <i>Journal of Colloid and Interface Science</i> , <b>2007</b> , 316, 476-81	9.3	51
123	Morphology of multilayers assembled by electrostatic attraction of oppositely charged model polyelectrolytes. <i>Thin Solid Films</i> , <b>1999</b> , 350, 153-160	2.2	51
122	Phosphinite-Ni(0) mediated formation of a phosphide-Ni(II)-OCOOME species via uncommon metal-ligand cooperation. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 4280-3	16.4	50
121	Kinetically controlled growth of polyhedral bimetallic alloy nanocrystals exclusively bound by high-index facets: Au-Pd hexoctahedra. <i>Small</i> , <b>2013</b> , 9, 660-5	11	50
120	Adsorption characteristics of 4-dimethylaminobenzoic acid on silver and titania: diffuse reflectance infrared Fourier transform spectroscopy study. <i>Vibrational Spectroscopy</i> , <b>2000</b> , 24, 265-275	2.1	49
119	One-pot synthesis of carbon-supported dendritic Pd-Au nanoalloys for electrocatalytic ethanol oxidation. <i>Chemistry - an Asian Journal</i> , <b>2011</b> , 6, 909-13	4.5	48
118	Adsorption and stability of phthalic acid on a colloidal silver surface: surface-enhanced Raman scattering study. <i>Journal of Raman Spectroscopy</i> , <b>2000</b> , 31, 145-150	2.3	47
117	Noble-Metal Nanocrystals with Controlled Facets for Electrocatalysis. <i>Chemistry - an Asian Journal</i> , <b>2016</b> , 11, 2224-39	4.5	47
116	Metal-semiconductor yolk-shell heteronanostructures for plasmon-enhanced photocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 4068-4078	13	43
115	Synthesis, Optical Properties, and Multiplexed Raman Bio-Imaging of Surface Roughness-Controlled Nanobridged Nanogap Particles. <i>Small</i> , <b>2016</b> , 12, 4726-34	11	43
114	Size-controlled synthesis of monodisperse gold nanooctahedrons and their surface-enhanced Raman scattering properties. <i>Chemical Physics Letters</i> , <b>2009</b> , 468, 245-248	2.5	41
113	Fabrication of metal nanoparticles-carbon nanotubes composite materials in solution. <i>Chemical Physics Letters</i> , <b>2007</b> , 440, 249-252	2.5	41
112	Polyhedral Bimetallic Alloy Nanocrystals Exclusively Bound by {110} Facets: AuPd Rhombic Dodecahedra. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 3528-3532	3.6	40
111	Universal sulfide-assisted synthesis of M-Ag heterodimers (M = Pd, Au, Pt) as efficient platforms for fabricating metal-semiconductor heteronanostructures. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 5221-4	16.4	38
110	Simultaneous preparation of SERS-active metal colloids and plates by laser ablation. <i>Journal of Raman Spectroscopy</i> , <b>2001</b> , 32, 947-952	2.3	38
109	Self-Assembly of Anthraquinone-2-carboxylic Acid on Silver: Fourier Transform Infrared Spectroscopy, Ellipsometry, Quartz Crystal Microbalance, and Atomic Force Microscopy Study. <i>Langmuir</i> , <b>1998</b> , 14, 6113-6120	4	38

108	Trisoctahedral Au-Pd alloy nanocrystals with high-index facets and their excellent catalytic performance. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 16626-30	4.8	37
107	Synthesis of chestnut-bur-like palladium nanostructures and their enhanced electrocatalytic activities for ethanol oxidation. <i>Nanoscale</i> , <b>2014</b> , 6, 4182-7	7.7	36
106	The facet-dependent enhanced catalytic activity of Pd nanocrystals. <i>Chemical Communications</i> , <b>2014</b> , 50, 9454-7	5.8	36
105	One-pot synthesis of Au@Pd core-shell nanocrystals with multiple high- and low-index facets and their high electrocatalytic performance. <i>Nanoscale</i> , <b>2014</b> , 6, 9798-805	7.7	36
104	Controlled synthesis and characterization of the enhanced local field of octahedral Au nanocrystals. <i>Chemical Communications</i> , <b>2008</b> , 6120-2	5.8	36
103	One-pot synthesis and electrocatalytic properties of Pd@Pt core-shell nanocrystals with tailored morphologies. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 7901-5	4.8	35
102	Perfluorocarbon-stabilized silver nanoparticles manufactured from layered silver carboxylates. <i>Chemical Communications</i> , <b>2002</b> , 442-3	5.8	35
101	A facile one-pot synthesis and enhanced formic acid oxidation of monodisperse Pd-Cu nanocatalysts. <i>Chemistry - an Asian Journal</i> , <b>2011</b> , 6, 1515-9	4.5	34
100	Adsorption and Reaction of 4-Nitrobenzoic Acid on $\gamma$ -Functionalized Alkanethiol Monolayers on Powdered Silver: Infrared and Raman Spectroscopy Study. <i>Langmuir</i> , <b>2000</b> , 16, 1149-1157	4	34
99	Electro-inductive effect: Electrodes as functional groups with tunable electronic properties. <i>Science</i> , <b>2020</b> , 370, 214-219	33.3	34
98	Self-Assembled Monolayers of Organoselenium Compounds on Gold: Surface-Enhanced Raman Scattering Study. <i>Journal of Colloid and Interface Science</i> , <b>2001</b> , 240, 492-497	9.3	32
97	Infrared and Raman spectra of 4-cyanobenzoic acid on powdered silver. <i>Vibrational Spectroscopy</i> , <b>1999</b> , 21, 133-142	2.1	32
96	Azobenzene-Incorporated Alkanethiol Monolayer Film on Au(111): Reflection Absorption Infrared Spectroscopy and Atomic Force Microscopy Study. <i>Langmuir</i> , <b>1999</b> , 15, 1579-1583	4	32
95	Effect of polymeric stabilizers on the catalytic activity of Pt nanoparticles synthesized by laser ablation. <i>Chemical Physics Letters</i> , <b>2010</b> , 484, 254-257	2.5	31
94	Synthesis of AuPt Heteronanostructures with Enhanced Electrocatalytic Activity toward Oxygen Reduction. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 10395-10399	3.6	31
93	Au@Pd nanostructures with tunable morphologies and sizes and their enhanced electrocatalytic activity. <i>CrystEngComm</i> , <b>2013</b> , 15, 7113	3.3	29
92	Facile synthesis of noble metal nanotubes by using ZnO nanowires as sacrificial scaffolds and their electrocatalytic properties. <i>Chemical Communications</i> , <b>2011</b> , 47, 6299-301	5.8	29
91	Effect of ligand structure on the catalytic activity of Au nanocrystals. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2010</b> , 372, 146-150	5.1	29

90	Fabrication of nanoporous superstructures through hierarchical self-assembly of nanoparticles. <i>Journal of Materials Chemistry</i> , <b>2008</b> , 18, 2208		29
89	Electrochemical and Vibrational Spectroscopic Characterization of Self-Assembled Monolayers of 1,1-Disubstituted Ferrocene Derivatives on Gold. <i>Langmuir</i> , <b>2000</b> , 16, 9493-9500	4	29
88	The surface plasmon-induced hot carrier effect on the catalytic activity of CO oxidation on a CuO/hexoctahedral Au inverse catalyst. <i>Nanoscale</i> , <b>2018</b> , 10, 10835-10843	7.7	27
87	Dendritic Ternary Alloy Nanocrystals for Enhanced Electrocatalytic Oxidation Reactions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 44018-44026	9.5	27
86	Structural Transitions of Octanethiol Self-Assembled Monolayers on Gold Nanoplates after Mild Thermal Annealing. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 5868-5874	3.8	27
85	Fabrication of AuAg Alloy Nanoprisms with Enhanced Catalytic Activity. <i>Chemistry Letters</i> , <b>2007</b> , 36, 1350-1351	1.7	27
84	Hexameric ring structure of a thermophilic archaeon NADH oxidase that produces predominantly H <sub>2</sub> O. <i>FEBS Journal</i> , <b>2008</b> , 275, 5355-66	5.7	26
83	Ultrathin Free-Standing Ternary-Alloy Nanosheets. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 2803-2808	3.6	26
82	Novel fabrication method of diverse one-dimensional Pt/ZnO hybrid nanostructures and its sensor application. <i>Nanotechnology</i> , <b>2011</b> , 22, 035601	3.4	25
81	Nonplanarity of adenine: vibrational transition moment angle studies in helium nanodroplets. <i>Journal of Physical Chemistry A</i> , <b>2008</b> , 112, 7185-90	2.8	25
80	Formation of Patterned Continuous Calcium Carbonate Films on Self-Assembled Monolayers via Nanoparticle-Directed Crystallization. <i>Advanced Materials</i> , <b>2002</b> , 14, 1640-1643	24	25
79	Surface-Enhanced Raman Scattering of Aromatic Sulfides in Aqueous Gold Sol. <i>Applied Spectroscopy</i> , <b>2000</b> , 54, 378-383	3.1	25
78	Metal-semiconductor ternary hybrids for efficient visible-light photocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 13225-13235	13	24
77	One-step fabrication of gold nanoparticles-silica composites with enhanced catalytic activity. <i>Chemical Physics Letters</i> , <b>2008</b> , 453, 77-81	2.5	24
76	Reshaping nanocrystals for tunable plasmonic substrates. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 5038-43	9.5	23
75	Structure and Thermal Behavior of Layered Silver Perfluorocarboxylates. <i>Journal of Physical Chemistry B</i> , <b>2002</b> , 106, 7439-7444	3.4	23
74	Convex Polyhedral Au@Pd Core-shell Nanocrystals with High-Index Facets. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 163-167	3.6	22
73	Core-Shell Nanoparticle Clusters Enable Synergistic Integration of Plasmonic and Catalytic Functions in a Single Platform. <i>Small</i> , <b>2017</b> , 13, 1701633	11	21



72	Structural and functional characterization of osmotically inducible protein C (OsmC) from <i>Thermococcus kodakaraensis</i> KOD1. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2008</b> , 1784, 783-8	4	21
71	High-yield synthesis of monodisperse polyhedral gold nanoparticles with controllable size and their surface-enhanced Raman scattering activity. <i>Chemical Physics Letters</i> , <b>2006</b> , 432, 209-212	2.5	21
70	Surface-Induced Photoreaction of Benzyl Phenyl Sulfide Monolayers on Silver and Its Application to Preparing Patterned Binary Monolayers. <i>Langmuir</i> , <b>2000</b> , 16, 9963-9967	4	21
69	Regulating the Catalytic Function of Reduced Graphene Oxides Using Capping Agents for Metal-Free Catalysis. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 1692-1701	9.5	20
68	One-pot synthesis of CeO <sub>2</sub> -supported Pd-Cu-alloy nanocubes with high catalytic activity. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 8053-7	4.8	20
67	Structure and thermal behavior of a layered silver hydroxyalkanecarboxylate. <i>Journal of Colloid and Interface Science</i> , <b>2003</b> , 264, 458-66	9.3	20
66	o-Xylene-1,4-dithiol Monolayer Film on Gold: Fourier Transform Infrared Spectroscopy, Quartz Crystal Microbalance, and Atomic Force Microscopy Study. <i>Langmuir</i> , <b>1999</b> , 15, 8399-8404	4	20
65	Hierarchical metal-semiconductor-graphene ternary heteronanostructures for plasmon-enhanced wide-range visible-light photocatalysis. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 15831-15840	13	19
64	Simple Electrodeposition of Dendritic Au Rods from Sulfite-Based Au(I) Electrolytes with High Electrocatalytic and SERS Activities. <i>Electroanalysis</i> , <b>2011</b> , 23, 2030-2035	3	19
63	Nanoparticle assembly on nanoplates. <i>Chemical Communications</i> , <b>2009</b> , 1981-3	5.8	19
62	Ultrafast Electron Microscopy Visualizes Acoustic Vibrations of Plasmonic Nanorods at the Interfaces. <i>Matter</i> , <b>2019</b> , 1, 481-495	12.7	18
61	One-pot self-templating synthesis of Pt hollow nanostructures and their catalytic properties for CO oxidation. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 11669-74	4.8	18
60	Control of Microbial Growth in Alginate/Polydopamine Core/Shell Microbeads. <i>Chemistry - an Asian Journal</i> , <b>2015</b> , 10, 2130-3	4.5	18
59	Synthesis and photocatalytic properties of Cu <sub>2</sub> S-Pd <sub>4</sub> S hybrid nanoplates. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 5874-8	4.8	18
58	Au-Doped Magnetic Silica Nanotube for Binding of Cysteine-Containing Proteins. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 3809-3813	9.6	18
57	C <sub>60</sub> -mediated self-assembly of gold nanoparticles at the liquid/liquid interface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2006</b> , 275, 79-82	5.1	18
56	Core-shell Bimetallic Nanoparticle Trimers for Efficient Light-to-Chemical Energy Conversion. <i>ACS Energy Letters</i> , <b>2020</b> , 5, 3881-3890	20.1	18
55	Site-selectively Pt-decorated PdPt bimetallic nanosheets characterized by electrocatalytic property for methanol oxidation. <i>Materials Chemistry and Physics</i> , <b>2018</b> , 214, 201-208	4.4	17



54	Probing organic ligands and their binding schemes on nanocrystals by mass spectrometric and FT-IR spectroscopic imaging. <i>Nanoscale</i> , <b>2016</b> , 8, 4573-8	7.7	17
53	A new helicase assay based on graphene oxide for anti-viral drug development. <i>Molecules and Cells</i> , <b>2013</b> , 35, 269-73	3.5	16
52	The controlled synthesis of plasmonic nanoparticle clusters as efficient surface-enhanced Raman scattering platforms. <i>Chemical Communications</i> , <b>2015</b> , 51, 8793-6	5.8	15
51	Bioactive Protein Nanoarrays on Nickel Oxide Surfaces Formed by Dip-Pen Nanolithography. <i>Angewandte Chemie</i> , <b>2004</b> , 116, 1266-1269	3.6	15
50	Particle-in-a-Frame Nanostructures with Interior Nanogaps. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 15890-15894	16.4	14
49	Polyoxometalate-mediated one-pot synthesis of Pd nanocrystals with controlled morphologies for efficient chemical and electrochemical catalysis. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 5387-94	4.8	14
48	Controlled synthesis of highly multi-branched Pt-based alloy nanocrystals with high catalytic performance. <i>CrystEngComm</i> , <b>2016</b> , 18, 2356-2362	3.3	14
47	One-pot production of ceria nanosheet-supported PtNi alloy nanodendrites with high catalytic performance toward methanol oxidation and oxygen reduction. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 25842-25849	13	13
46	Plasmon-enhanced electrocatalysis from synergistic hybrids of noble metal nanocrystals. <i>Current Opinion in Electrochemistry</i> , <b>2017</b> , 4, 11-17	7.2	12
45	Self-assembled silver nanoprisms monolayers at the liquid/liquid interface. <i>Materials Letters</i> , <b>2006</b> , 60, 1622-1624	3.3	12
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39	Phase behavior of organic-inorganic crystal. <i>European Physical Journal D</i> , <b>2001</b> , 16, 293-296	1.3	10
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24	Adsorption Characteristics of Aliphatic Dithiols on Silver and Gold Revealed by Ellipsometry and FT-IR Spectroscopy. <i>Molecular Crystals and Liquid Crystals</i> , <b>2001</b> , 371, 355-358		5
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10	Gold Nanocrystals with Well-Defined Crystallographic {111} Facets Suppress Pathological Neovascularization. <i>Journal of Biomedical Nanotechnology</i> , <b>2016</b> , 12, 1520-26	4	2
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