

# Hui Zhang

## List of Publications by Citations

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242  
ext. papers

15,547  
ext. citations

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avg, IF

6.55  
L-index

#	Paper	IF	Citations
233	Shape-controlled synthesis of Pd nanocrystals and their catalytic applications. <i>Accounts of Chemical Research</i> , <b>2013</b> , 46, 1783-94	24.3	495
232	Low Temperature Synthesis of Flowerlike ZnO Nanostructures by Cetyltrimethylammonium Bromide-Assisted Hydrothermal Process. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 3955-3958	3.4	446
231	Enhancing the catalytic and electrocatalytic properties of Pt-based catalysts by forming bimetallic nanocrystals with Pd. <i>Chemical Society Reviews</i> , <b>2012</b> , 41, 8035-49	58.5	438
230	Platinum concave nanocubes with high-index facets and their enhanced activity for oxygen reduction reaction. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 2773-7	16.4	393
229	Noble-metal nanocrystals with concave surfaces: synthesis and applications. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 7656-73	16.4	380
228	Synthesis of Pd nanocrystals enclosed by {100} facets and with sizes. <i>Nano Research</i> , <b>2011</b> , 4, 83-91	10	375
227	Synthesis of Pd-Pt bimetallic nanocrystals with a concave structure through a bromide-induced galvanic replacement reaction. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 6078-89	16.4	364
226	Palladium concave nanocubes with high-index facets and their enhanced catalytic properties. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 7850-4	16.4	356
225	Shape-controlled synthesis of copper nanocrystals in an aqueous solution with glucose as a reducing agent and hexadecylamine as a capping agent. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 10560-4	16.4	352
224	Palladium nanocrystals enclosed by {100} and {111} facets in controlled proportions and their catalytic activities for formic acid oxidation. <i>Energy and Environmental Science</i> , <b>2012</b> , 5, 6352-6357	35.4	313
223	Controllable Growth of ZnO Microcrystals by a Capping-Molecule-Assisted Hydrothermal Process. <i>Crystal Growth and Design</i> , <b>2005</b> , 5, 547-550	3.5	307
222	Synthesis of flower-like ZnO nanostructures by an organic-free hydrothermal process. <i>Nanotechnology</i> , <b>2004</b> , 15, 622-626	3.4	265
221	Intermetallic Nanocrystals: Syntheses and Catalytic Applications. <i>Advanced Materials</i> , <b>2017</b> , 29, 1605997	24	246
220	Facile synthesis of Pd-Pt alloy nanocages and their enhanced performance for preferential oxidation of CO in excess hydrogen. <i>ACS Nano</i> , <b>2011</b> , 5, 8212-22	16.7	223
219	Large-Scale Synthesis of SnO <sub>2</sub> Nanotube Arrays as High-Performance Anode Materials of Li-Ion Batteries. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 11302-11305	3.8	218
218	Controlling the nucleation and growth of silver on palladium nanocubes by manipulating the reaction kinetics. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 2354-8	16.4	193
217	A simple hydrothermal route for synthesizing SnO <sub>2</sub> quantum dots. <i>Nanotechnology</i> , <b>2006</b> , 17, 2386-2389	3.4	173

216	Epitaxial Growth of Twinned Au-Pt Core-Shell Star-Shaped Decahedra as Highly Durable Electrocatalysts. <i>Nano Letters</i> , <b>2015</b> , 15, 7808-15	11.5	168
215	Controlling the morphology of rhodium nanocrystals by manipulating the growth kinetics with a syringe pump. <i>Nano Letters</i> , <b>2011</b> , 11, 898-903	11.5	168
214	Three-dimensional Dendritic Pt Nanostructures: Sonoelectrochemical Synthesis and Electrochemical Applications. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 16385-16392	3.8	166
213	Porous ZnCo <sub>2</sub> O <sub>4</sub> nanowires synthesis via sacrificial templates: high-performance anode materials of Li-ion batteries. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 3320-4	5.1	159
212	Multiwalled carbon nanotubes anchored with SnS <sub>2</sub> nanosheets as high-performance anode materials of lithium-ion batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2011</b> , 3, 4067-74	9.5	139
211	CNTs@SnO <sub>2</sub> @C Coaxial Nanocables with Highly Reversible Lithium Storage. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 22535-22538	3.8	132
210	A selective NH <sub>3</sub> gas sensor based on Fe <sub>2</sub> O <sub>3</sub> /ZnO nanocomposites at room temperature. <i>Sensors and Actuators B: Chemical</i> , <b>2006</b> , 114, 910-915	8.5	131
209	Carbon-coated SnO <sub>2</sub> nanotubes: template-engaged synthesis and their application in lithium-ion batteries. <i>Nanoscale</i> , <b>2011</b> , 3, 746-50	7.7	130
208	Kinetically controlled synthesis of Pt-Cu alloy concave nanocubes with high-index facets for methanol electro-oxidation. <i>Chemical Communications</i> , <b>2014</b> , 50, 560-2	5.8	126
207	Copper can still be epitaxially deposited on palladium nanocrystals to generate core-shell nanocubes despite their large lattice mismatch. <i>ACS Nano</i> , <b>2012</b> , 6, 2566-73	16.7	124
206	Ligand-free Self-Assembly of Ceria Nanocrystals into Nanorods by Oriented Attachment at Low Temperature. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 12677-12680	3.8	124
205	Controllable growth of ZnO nanostructures by citric acid assisted hydrothermal process. <i>Materials Letters</i> , <b>2005</b> , 59, 1696-1700	3.3	124
204	CuO nanodendrites synthesized by a novel hydrothermal route. <i>Nanotechnology</i> , <b>2004</b> , 15, 1428-1432	3.4	116
203	Arrays of ZnO nanowires fabricated by a simple chemical solution route. <i>Nanotechnology</i> , <b>2003</b> , 14, 423-426	3.4	107
202	Highly loaded CoO/graphene nanocomposites as lithium-ion anodes with superior reversible capacity. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 2337	13	102
201	Nanocrystals composed of alternating shells of Pd and Pt can be obtained by sequentially adding different precursors. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 10422-5	16.4	102
200	Self-templating synthesis of SnO <sub>2</sub> -carbon hybrid hollow spheres for superior reversible lithium ion storage. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2011</b> , 3, 1946-52	9.5	101
199	In situ study of oxidative etching of palladium nanocrystals by liquid cell electron microscopy. <i>Nano Letters</i> , <b>2014</b> , 14, 3761-5	11.5	100

- 198 Platinum Concave Nanocubes with High-Index Facets and Their Enhanced Activity for Oxygen Reduction Reaction. *Angewandte Chemie*, **2011**, 123, 2825-2829 3.6 99
- 197 From cobalt nitrate carbonate hydroxide hydrate nanowires to porous Co(3)O(4) nanorods for high performance lithium-ion battery electrodes. *Nanotechnology*, **2008**, 19, 035711 3.4 99
- 196 Selective Synthesis of Fe<sub>2</sub>O<sub>3</sub> and Fe<sub>3</sub>O<sub>4</sub> Nanowires Via a Single Precursor: A General Method for Metal Oxide Nanowires. *Nanoscale Research Letters*, **2010**, 5, 1295-300 5 98
- 195 Shape-Control Fabrication and Characterization of the Airplane-like FeO(OH) and Fe<sub>2</sub>O<sub>3</sub> Nanostructures. *Crystal Growth and Design*, **2006**, 6, 351-353 3.5 98
- 194 Cu<sub>2</sub>Te core-shell nanowire arrays as three-dimensional electrodes for high-rate capability lithium-ion batteries. *Journal of Materials Chemistry*, **2012**, 22, 1511-1515 97
- 193 Single crystalline CdS nanorods fabricated by a novel hydrothermal method. *Chemical Physics Letters*, **2003**, 377, 654-657 2.5 97
- 192 Carbon Nanocapsules as Nanoreactors for Controllable Synthesis of Encapsulated Iron and Iron Oxides: Magnetic Properties and Reversible Lithium Storage. *Journal of Physical Chemistry C*, **2011**, 115, 3612-3620 3.8 96
- 191 Facile synthesis of five-fold twinned, starfish-like rhodium nanocrystals by eliminating oxidative etching with a chloride-free precursor. *Angewandte Chemie - International Edition*, **2010**, 49, 5296-300 16.4 92
- 190 Gas sensing behavior of polyvinylpyrrolidone-modified ZnO nanoparticles for trimethylamine. *Sensors and Actuators B: Chemical*, **2006**, 113, 324-328 8.5 91
- 189 Aqueous solution synthesis of Pt-M (M = Fe, Co, Ni) bimetallic nanoparticles and their catalysis for the hydrolytic dehydrogenation of ammonia borane. *ACS Applied Materials & Interfaces*, **2014**, 6, 12429-35 9.5 90
- 188 Hydrothermal synthesis of Zn<sub>2</sub>SnO<sub>4</sub> nanorods in the diameter regime of sub-5 nm and their properties. *Journal of Physical Chemistry B*, **2006**, 110, 7631-4 3.4 90
- 187 Long Bi<sub>2</sub>S<sub>3</sub> nanowires prepared by a simple hydrothermal method. *Nanotechnology*, **2003**, 14, 974-977 3.4 89
- 186 Selenium Nanotubes Synthesized by a Novel Solution Phase Approach. *Journal of Physical Chemistry B*, **2004**, 108, 1179-1182 3.4 86
- 185 Epitaxial Growth of Multimetallic Pd@PtM (M = Ni, Rh, Ru) Core-Shell Nanoplates Realized by in Situ-Produced CO from Interfacial Catalytic Reactions. *Nano Letters*, **2016**, 16, 7999-8004 11.5 80
- 184 In Situ Synthesis of Multilayer Carbon Matrix Decorated with Copper Particles: Enhancing the Performance of Si as Anode for Li-Ion Batteries. *ACS Nano*, **2019**, 13, 3054-3062 16.7 78
- 183 Tuning Surface Structure and Strain in Pd-Pt Core-Shell Nanocrystals for Enhanced Electrocatalytic Oxygen Reduction. *Small*, **2017**, 13, 1603423 11 76
- 182 Shape-controlled nanostructured magnetite-type materials as highly efficient Fenton catalysts. *Applied Catalysis B: Environmental*, **2014**, 144, 739-749 21.8 75
- 181 Metal oxide and sulfide hollow spheres: layer-by-layer synthesis and their application in lithium-ion battery. *Journal of Physical Chemistry B*, **2008**, 112, 14836-42 3.4 74

180	Preparation and characterization of water-soluble CdS nanocrystals by surface modification of ethylene diamine. <i>Materials Letters</i> , <b>2005</b> , 59, 1024-1027	3.3	72
179	Two-dimensional SnS nanosheets fabricated by a novel hydrothermal method. <i>Journal of Materials Science</i> , <b>2005</b> , 40, 591-595	4.3	72
178	Effects of complexing agent on CdS thin films prepared by chemical bath deposition. <i>Materials Letters</i> , <b>2004</b> , 58, 5-9	3.3	71
177	Order-aligned Mn <sub>3</sub> O <sub>4</sub> nanostructures as super high-rate electrodes for rechargeable lithium-ion batteries. <i>Journal of Power Sources</i> , <b>2013</b> , 222, 32-37	8.9	70
176	Directional CdS nanowires fabricated by chemical bath deposition. <i>Journal of Crystal Growth</i> , <b>2002</b> , 246, 108-112	1.6	70
175	Lattice-mismatch-induced twinning for seeded growth of anisotropic nanostructures. <i>ACS Nano</i> , <b>2015</b> , 9, 3307-13	16.7	69
174	Homogeneous coating of Au and SnO <sub>2</sub> nanocrystals on carbon nanotubes via layer-by-layer assembly: a new ternary hybrid for a room-temperature CO gas sensor. <i>Chemical Communications</i> , <b>2008</b> , 6182-4	5.8	67
173	Straight and thin ZnO nanorods: hectogram-scale synthesis at low temperature and cathodoluminescence. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 827-30	3.4	67
172	From ZnO nanorods to 3D hollow microhemispheres: solvothermal synthesis, photoluminescence and gas sensor properties. <i>Nanotechnology</i> , <b>2007</b> , 18, 455604	3.4	66
171	Nanoscale kinetics of asymmetrical corrosion in core-shell nanoparticles. <i>Nature Communications</i> , <b>2018</b> , 9, 1011	17.4	64
170	Room temperature electrically pumped ultraviolet random lasing from ZnO nanorod arrays on Si. <i>Optics Express</i> , <b>2009</b> , 17, 14426-33	3.3	64
169	Size-controlled synthesis of Pd nanosheets for tunable plasmonic properties. <i>CrystEngComm</i> , <b>2015</b> , 17, 1833-1838	3.3	63
168	Synthesis of polycrystalline SnO <sub>2</sub> nanotubes on carbon nanotube template for anode material of lithium-ion battery. <i>Materials Research Bulletin</i> , <b>2009</b> , 44, 211-215	5.1	63
167	Coupling PtNi Ultrathin Nanowires with MXenes for Boosting Electrocatalytic Hydrogen Evolution in Both Acidic and Alkaline Solutions. <i>Small</i> , <b>2019</b> , 15, e1805474	11	63
166	One-pot, large-scale synthesis of SnO <sub>2</sub> nanotubes at room temperature. <i>Chemical Communications</i> , <b>2008</b> , 3028-30	5.8	62
165	In Situ Observation of Hydrogen-Induced Surface Faceting for Palladium-Copper Nanocrystals at Atmospheric Pressure. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 12427-30	16.4	62
164	Three-dimensionally porous Fe <sub>3</sub> O <sub>4</sub> as high-performance anode materials for lithium-ion batteries. <i>Journal of Power Sources</i> , <b>2014</b> , 246, 198-203	8.9	61
163	Synthesis of ultrafine lanthanum hydroxide nanorods by a simple hydrothermal process. <i>Materials Letters</i> , <b>2004</b> , 58, 1180-1182	3.3	59

162	Facile synthesis of PdPt alloy concave nanocubes with high-index facets as electrocatalysts for methanol oxidation. <i>CrystEngComm</i> , <b>2014</b> , 16, 2411-2416	3.3	58
161	Synthesis of Co <sub>2</sub> SnO <sub>4</sub> @C core-shell nanostructures with reversible lithium storage. <i>Journal of Power Sources</i> , <b>2011</b> , 196, 10234-10239	8.9	58
160	Phase-Selective Synthesis and Self-Assembly of Monodisperse Copper Sulfide Nanocrystals. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 13390-13394	3.8	58
159	InOOH hollow spheres synthesized by a simple hydrothermal reaction. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 20676-9	3.4	58
158	Novel CuS hollow spheres fabricated by a novel hydrothermal method. <i>Microporous and Mesoporous Materials</i> , <b>2005</b> , 80, 153-156	5.3	58
157	Synthesis of rhodium concave tetrahedrons by collectively manipulating the reduction kinetics, facet-selective capping, and surface diffusion. <i>Nano Letters</i> , <b>2013</b> , 13, 6262-8	11.5	57
156	Ultrathin Two-Dimensional Pd-Based Nanorings as Catalysts for Hydrogenation with High Activity and Stability. <i>Small</i> , <b>2015</b> , 11, 4745-52	11	56
155	Palladium Concave Nanocubes with High-Index Facets and Their Enhanced Catalytic Properties. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 7996-8000	3.6	55
154	Low-temperature growth of uniform ZnO particles with controllable ellipsoidal morphologies and characteristic luminescence patterns. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 19147-53	3.4	55
153	Large-scale synthesis of Si@C three-dimensional porous structures as high-performance anode materials for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 20494-20499	13	54
152	Layer-stacked tin disulfide nanorods in silica nanoreactors with improved lithium storage capabilities. <i>Nanoscale</i> , <b>2012</b> , 4, 4002-6	7.7	54
151	Carbon nanotube-based magnetic-fluorescent nanohybrids as highly efficient contrast agents for multimodal cellular imaging. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 9895		54
150	Hydrothermal synthesis, characterization and properties of SnS nanoflowers. <i>Materials Letters</i> , <b>2006</b> , 60, 2686-2689	3.3	54
149	Synthesis and field emission characteristics of bilayered ZnO nanorod array prepared by chemical reaction. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 17055-9	3.4	54
148	Hydrothermal synthesis of flower-like SrCO <sub>3</sub> nanostructures. <i>Materials Letters</i> , <b>2005</b> , 59, 420-422	3.3	52
147	Facile synthesis of uniform MWCNT@Si nanocomposites as high-performance anode materials for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 622, 966-972	5.7	51
146	Synthesis of CdS nanotubes by chemical bath deposition. <i>Journal of Crystal Growth</i> , <b>2004</b> , 263, 372-376	1.6	50
145	Cu <sub>2</sub> N Core-Shell Nanowire Arrays as Three-Dimensional Electrodes for Lithium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 23620-23624	3.8	49

144	CoO/NiSi(x) core-shell nanowire arrays as lithium-ion anodes with high rate capabilities. <i>Nanoscale</i> , <b>2012</b> , 4, 991-6	7.7	48
143	Facile synthesis of Rh-Pd alloy nanodendrites as highly active and durable electrocatalysts for oxygen reduction reaction. <i>Nanoscale</i> , <b>2014</b> , 6, 7012-8	7.7	47
142	An In situ TEM study of the surface oxidation of palladium nanocrystals assisted by electron irradiation. <i>Nanoscale</i> , <b>2017</b> , 9, 6327-6333	7.7	45
141	Large-scale synthesis and application of SnS <sub>2</sub> /graphene nanocomposites as anode materials for lithium-ion batteries with enhanced cyclic performance and reversible capacity. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 580, 457-464	5.7	45
140	Self-assembly of CdS: from nanoparticles to nanorods and arrayed nanorod bundles. <i>Materials Chemistry and Physics</i> , <b>2005</b> , 93, 65-69	4.4	45
139	Edelmetall-Nanokristalle mit konkaven Oberflächen: Synthese und Anwendungen. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 7774-7792	3.6	44
138	Controllable growth of dendrite-like CuO nanostructures by ethylene glycol assisted hydrothermal process. <i>Materials Research Bulletin</i> , <b>2008</b> , 43, 1291-1296	5.1	44
137	Synthesis of La <sub>1-x</sub> CaxMnO <sub>3</sub> nanowires by a sol-gel process. <i>Chemical Physics Letters</i> , <b>2002</b> , 363, 579-582	2.5	43
136	Synthesis of cadmium hydroxide nanoflake and nanowisker by hydrothermal method. <i>Materials Letters</i> , <b>2005</b> , 59, 56-58	3.3	43
135	CuBi <sub>1-x</sub> Gex core-shell nanowire arrays as three-dimensional electrodes for high-rate capability lithium-ion batteries. <i>Journal of Power Sources</i> , <b>2012</b> , 208, 434-439	8.9	42
134	Atomic resolution liquid-cell transmission electron microscopy investigations of the dynamics of nanoparticles in ultrathin liquids. <i>Chemical Communications</i> , <b>2013</b> , 49, 10944-6	5.8	40
133	Layer-by-layer synthesis of Fe <sub>2</sub> O <sub>3</sub> @SnO <sub>2</sub> @C porous core-shell nanorods with high reversible capacity in lithium-ion batteries. <i>Nanoscale</i> , <b>2013</b> , 5, 4744-50	7.7	40
132	Assembling CoSn <sub>3</sub> nanoparticles on multiwalled carbon nanotubes with enhanced lithium storage properties. <i>Nanoscale</i> , <b>2011</b> , 3, 1798-801	7.7	39
131	In situ study of the growth of two-dimensional palladium dendritic nanostructures using liquid-cell electron microscopy. <i>Chemical Communications</i> , <b>2014</b> , 50, 9447-50	5.8	38
130	Low-temperature chemical solution route for ZnO based sulfide coaxial nanocables: general synthesis and gas sensor application. <i>Nanotechnology</i> , <b>2007</b> , 18, 115619	3.4	38
129	One-Pot Synthesis of Biocompatible CdSe/CdS Quantum Dots and Their Applications as Fluorescent Biological Labels. <i>Nanoscale Research Letters</i> , <b>2011</b> , 6, 31	5	37
128	Carbon Nanotube-ZnO Nanosphere Heterostructures: Low-Temperature Chemical Reaction Synthesis, Photoluminescence, and Their Application for Room Temperature NH <sub>3</sub> Gas Sensor. <i>Science of Advanced Materials</i> , <b>2009</b> , 1, 13-17	2.3	37
127	Vertically ordered NiSi <sub>2</sub> /Si nanorod arrays as anode materials for high-performance Li-ion batteries. <i>Nanoscale</i> , <b>2012</b> , 4, 5343-7	7.7	36

126	Sequential occurrence of ZnO nanoparticles, nanorods, and nanotips during hydrothermal process in a dilute aqueous solution. <i>Materials Letters</i> , <b>2005</b> , 59, 3393-3397	3-3	36
125	Hydrothermal synthesis of flower-like Bi <sub>2</sub> S <sub>3</sub> with nanorods in the diameter region of 30 nm. <i>Nanotechnology</i> , <b>2004</b> , 15, 1122-1125	3-4	36
124	Single-crystalline SnS <sub>2</sub> nano-belts fabricated by a novel hydrothermal method. <i>Journal of Physics Condensed Matter</i> , <b>2003</b> , 15, L661-L665	1-8	36
123	Strain-induced Stranski-Krastanov growth of Pd@Pt core-shell hexapods and octapods as electrocatalysts for methanol oxidation. <i>Nanoscale</i> , <b>2017</b> , 9, 11077-11084	7-7	35
122	Synthesis of Co <sub>3</sub> O <sub>4</sub> @SnO <sub>2</sub> @C core-shell nanorods with superior reversible lithium-ion storage. <i>RSC Advances</i> , <b>2012</b> , 2, 9511	3-7	35
121	Star-shaped PbS crystals fabricated by a novel hydrothermal method. <i>Journal of Physics Condensed Matter</i> , <b>2003</b> , 15, 7611-7615	1-8	35
120	Seed-mediated growth of Au nanorings with size control on Pd ultrathin nanosheets and their tunable surface plasmonic properties. <i>Nanoscale</i> , <b>2016</b> , 8, 3704-10	7-7	34
119	General Layer-By-Layer Approach To Composite Nanotubes and Their Enhanced Lithium-Storage and Gas-Sensing Properties. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 5264-5271	9-6	34
118	A critical SiO layer on Si porous structures to construct highly-reversible anode materials for lithium-ion batteries. <i>Chemical Communications</i> , <b>2017</b> , 53, 6101-6104	5-8	33
117	Formation of PtCuCo Trimetallic Nanostructures with Enhanced Catalytic and Enzyme-like Activities for Biodetection. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 222-231	5-6	33
116	Enhanced activity, durability and anti-poisoning property of Pt/W <sub>18</sub> O <sub>49</sub> for methanol oxidation with a sub-stoichiometric tungsten oxide W <sub>18</sub> O <sub>49</sub> support. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 20154-20163	13	33
115	Layer-by-layer assembly synthesis of ZnO/SnO <sub>2</sub> composite nanowire arrays as high-performance anode for lithium-ion batteries. <i>Materials Research Bulletin</i> , <b>2011</b> , 46, 2378-2384	5-1	33
114	Ni <sub>3</sub> Si <sub>2</sub> Bi nanowires on Ni foam as a high-performance anode of Li-ion batteries. <i>Electrochemistry Communications</i> , <b>2011</b> , 13, 1443-1446	5-1	33
113	General solution route for nanoplates of hexagonal oxide or hydroxide. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 11196-8	3-4	33
112	Facile synthesis of Ru-decorated Pt cubes and icosahedra as highly active electrocatalysts for methanol oxidation. <i>Nanoscale</i> , <b>2016</b> , 8, 12812-8	7-7	32
111	Synthesis of flower-like CdS nanostructures by organic-free hydrothermal process and their optical properties. <i>Materials Letters</i> , <b>2007</b> , 61, 3507-3510	3-3	32
110	A Versatile Approach for the Synthesis of ZnO Nanorod-Based Hybrid Nanomaterials via Layer-by-Layer Assembly. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 8147-8151	3-8	31
109	Sonochemical synthesis of amorphous long silver sulfide nanowires. <i>Materials Letters</i> , <b>2007</b> , 61, 235-238	3-3	31



108	Large-scale synthesis of Ag@Bi core-shell nanowall arrays as high-performance anode materials of Li-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 13949-13954	13	30
107	Labeling transplanted mice islet with polyvinylpyrrolidone coated superparamagnetic iron oxide nanoparticles for in vivo detection by magnetic resonance imaging. <i>Nanotechnology</i> , <b>2009</b> , 20, 365101	3.4	29
106	Graphene coupled with Pt cubic nanoparticles for high performance, air-stable graphene-silicon solar cells. <i>Nano Energy</i> , <b>2017</b> , 32, 225-231	17.1	28
105	Cobalt ferrite nanorings: Ostwald ripening dictated synthesis and magnetic properties. <i>Chemical Communications</i> , <b>2008</b> , 5648-50	5.8	28
104	Controlling the growth and field emission properties of silicide nanowire arrays by direct silicification of Ni foil. <i>Nanotechnology</i> , <b>2008</b> , 19, 375602	3.4	28
103	Kinetically-controlled growth of cubic and octahedral Rh-Pd alloy oxygen reduction electrocatalysts with high activity and durability. <i>Nanoscale</i> , <b>2015</b> , 7, 301-7	7.7	27
102	Tuning Surface Structure of PdPb/Pt Pb Nanocrystals for Boosting the Methanol Oxidation Reaction. <i>Advanced Science</i> , <b>2019</b> , 6, 1902249	13.6	26
101	Multimetallic AuPd@Pd@Pt core-interlayer-shell icosahedral electrocatalysts for highly efficient oxygen reduction reaction. <i>Science Bulletin</i> , <b>2018</b> , 63, 494-501	10.6	26
100	Nanostructured hybrid cobalt oxide/copper electrodes of lithium-ion batteries with reversible high-rate capabilities. <i>Journal of Alloys and Compounds</i> , <b>2012</b> , 521, 83-89	5.7	26
99	Probing the oxidative etching induced dissolution of palladium nanocrystals in solution by liquid cell transmission electron microscopy. <i>Micron</i> , <b>2017</b> , 97, 22-28	2.3	25
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