Jian Yang

List of Publications by Citations

260 papers	19,170 citations	68 h-index	133 g-index
272 ext. papers	21,827 ext. citations	9.2 avg, IF	6.87 L-index

#	Paper	IF	Citations
260	Recent Advances in Ultrathin Two-Dimensional Nanomaterials. *Chemical Reviews*, **2017**, 117, 6225-6331	68.1	2919
259	Ionic Exchange of Metal-Organic Frameworks to Access Single Nickel Sites for Efficient Electroreduction of CO. *Journal of the American Chemical Society*, **2017**, 139, 8078-8081	16.4	825
258	Phosphorus-doped graphite layers with high electrocatalytic activity for the O2 reduction in an alkaline medium. *Angewandte Chemie - International Edition*, **2011**, 50, 3257-61	16.4	589
257	Synthesis of Two-Dimensional CoS1.097/Nitrogen-Doped Carbon Nanocomposites Using Metal-Organic Framework Nanosheets as Precursors for Supercapacitor Application. *Journal of the American Chemical Society*, **2016**, 138, 6924-7	16.4	485
256	Uncoordinated Amine Groups of Metal-Organic Frameworks to Anchor Single Ru Sites as Chemoselective Catalysts toward the Hydrogenation of Quinoline. *Journal of the American Chemical Society*, **2017**, 139, 9419-9422	16.4	389
255	MoSe2-Covered N,P-Doped Carbon Nanosheets as a Long-Life and High-Rate Anode Material for Sodium-Ion Batteries. *Advanced Functional Materials*, **2017**, 27, 1700522	15.6	353
254	Formation Process of CdS Nanorods via Solvothermal Route. *Chemistry of Materials*, **2000**, 12, 3259-3263	9.6	349
253	Double-Walled Sb@TiO2-x Nanotubes as a Superior High-Rate and Ultralong-Lifespan Anode Material for Na-Ion and Li-Ion Batteries. *Advanced Materials*, **2016**, 28, 4126-33	24	340
252	Reduced graphene oxide-wrapped MoO3 composites prepared by using metal-organic frameworks as precursor for all-solid-state flexible supercapacitors. *Advanced Materials*, **2015**, 27, 4695-701	24	326
251	Self-Assembly of Single-Layer CoAl-Layered Double Hydroxide Nanosheets on 3D Graphene Network Used as Highly Efficient Electrocatalyst for Oxygen Evolution Reaction. *Advanced Materials*, **2016**, 28, 7640-5	24	296
250	Mechanism study on adsorption of acidified multiwalled carbon nanotubes to Pb(II). *Journal of Colloid and Interface Science*, **2007**, 316, 277-83	9.3	296
249	Growth of Au Nanoparticles on 2D Metalloporphyrinic Metal-Organic Framework Nanosheets Used as Biomimetic Catalysts for Cascade Reactions. *Advanced Materials*, **2017**, 29, 1700102	24	283
248	Hollow nanospheres of mesoporous Co 9 S 8 as a high-capacity and long-life anode for advanced lithium ion batteries. *Nano Energy*, **2015**, 12, 528-537	17.1	256
247	Synthesis and characterization of substitutional and interstitial nitrogen-doped titanium dioxides with visible light photocatalytic activity. *Journal of Solid State Chemistry*, **2008**, 181, 130-136	3.3	252
246	Enhanced lithium storage performances of hierarchical hollow MoS nanoparticles assembled from nanosheets. *ACS Applied Materials & Interfaces*, **2013**, 5, 1003-8	9.5	244
245	Rational synthesis, self-assembly, and optical properties of PbS-Au heterogeneous nanostructures via preferential deposition. *Journal of the American Chemical Society*, **2006**, 128, 11921-6	16.4	228
244	One-step hydrothermal synthesis of ZnFe2O4 nano-octahedrons as a high capacity anode material for Li-ion batteries. *Nano Research*, **2012**, 5, 477-485	10	224

243	Observation of saturable and reverse-saturable absorption at longitudinal surface plasmon resonance in gold nanorods. *Applied Physics Letters*, **2006**, 88, 083107	3.4	206
242	In Situ Thermal Atomization To Convert Supported Nickel Nanoparticles into Surface-Bound Nickel Single-Atom Catalysts. *Angewandte Chemie - International Edition*, **2018**, 57, 14095-14100	16.4	206
241	Selective catalysis of the aerobic oxidation of cyclohexane in the liquid phase by carbon nanotubes. *Angewandte Chemie - International Edition*, **2011**, 50, 3978-82	16.4	204
240	General synthesis of hollow MnO2, Mn3O4 and MnO nanospheres as superior anode materials for lithium ion batteries. *Journal of Materials Chemistry A*, **2014**, 2, 17421-17426	13	189
239	Phosphorus-Doped Graphite Layers with High Electrocatalytic Activity for the O2 Reduction in an Alkaline Medium. *Angewandte Chemie*, **2011**, 123, 3315-3319	3.6	182
238	A Novel Solventothermal Synthetic Route to Nanocrystalline CdE (E = S, Se, Te) and Morphological Control. *Chemistry of Materials*, **1998**, 10, 2309-2312	9.6	182
237	Coaxial MnO/N-doped carbon nanorods for advanced lithium-ion battery anodes. *Journal of Materials Chemistry A*, **2015**, 3, 1037-1041	13	172
236	Controlled Growth of Porous □Fe2O3 Branches on □MnO2 Nanorods for Excellent Performance in Lithium-Ion Batteries. *Advanced Functional Materials*, **2013**, 23, 4049-4056	15.6	168
235	Facile synthesis of loaf-like ZnMn□□ nanorods and their excellent performance in Li-ion batteries. *Nanoscale*, **2013**, 5, 2442-7	7.7	161
234	Preparation and characterization of Cu2O/TiO2 nano□ano heterostructure photocatalysts. *Catalysis Communications*, **2009**, 10, 1839-1843	3.2	157
233	MnO2/CNT supported Pt and PtRu nanocatalysts for direct methanol fuel cells. *Langmuir*, **2009**, 25, 7711-7	4	156
232	Lithiation-induced amorphization of Pd3P2S8 for highly efficient hydrogen evolution. *Nature Catalysis*, **2018**, 1, 460-468	36.5	153
231	Shape Control and Characterization of Transition Metal Diselenides MSe2 (M = Ni, Co, Fe) Prepared by a Solvothermal-Reduction Process. *Chemistry of Materials*, **2001**, 13, 848-853	9.6	147
230	A general approach for MFe 2 O 4 (M□=□Zn, Co, Ni) nanorods and their high performance as anode materials for lithium ion batteries. *Journal of Power Sources*, **2014**, 247, 163-169	8.9	146
229	Preparation of nitrogen-doped titanium dioxide with visible-light photocatalytic activity using a facile hydrothermal method. *Journal of Physics and Chemistry of Solids*, **2008**, 69, 1657-1664	3.9	142
228	Efficient and Robust Hydrogen Evolution: Phosphorus Nitride Imide Nanotubes as Supports for Anchoring Single Ruthenium Sites. *Angewandte Chemie - International Edition*, **2018**, 57, 9495-9500	16.4	140
227	General synthesis of semiconductor chalcogenide nanorods by using the monodentate ligand n-butylamine as a shape controller. *Angewandte Chemie - International Edition*, **2002**, 41, 4697-700	16.4	140
226	Mesoporous Amorphous Silicon: A Simple Synthesis of a High-Rate and Long-Life Anode Material for Lithium-Ion Batteries. *Angewandte Chemie - International Edition*, **2016**, 55, 14063-14066	16.4	139

225	Controllable synthesis of nanocrystalline CdS with different morphologies and particle sizes by a novel solvothermal process. *Journal of Materials Chemistry*, **1999**, 9, 1283-1287		138
224	Porous ZnMn2O4 microspheres as a promising anode material for advanced lithium-ion batteries. *Nano Energy*, **2014**, 6, 193-199	17.1	134
223	Synthesis and Characterization of Core□Shell GaP@GaN and GaN@GaP Nanowires. *Nano Letters*, **2003**, 3, 537-541	11.5	128
222	Electrodeposition preparation of Ag loaded N-doped TiO2 nanotube arrays with enhanced visible light photocatalytic performance. *Catalysis Communications*, **2011**, 12, 689-693	3.2	122
221	General Synthesis of MnOx (MnO2, Mn2O3, Mn3O4, MnO) Hierarchical Microspheres as Lithium-ion Battery Anodes. *Electrochimica Acta*, **2015**, 184, 250-256	6.7	121
220	Lateral etching of core-shell Au@Metal nanorods to metal-tipped au nanorods with improved catalytic activity. *ACS Nano*, **2012**, 6, 1165-75	16.7	121
219	Kinetically Controlled Side-Wall Functionalization of Carbon Nanotubes by Nitric Acid Oxidation. *Journal of Physical Chemistry C*, **2008**, 112, 6758-6763	3.8	119
218	Quantum dot nanobarcodes: epitaxial assembly of nanoparticle-polymer complexes in homogeneous solution. *Journal of the American Chemical Society*, **2008**, 130, 5286-92	16.4	109
217	Conductive Polymer-Coated VS4 Submicrospheres As Advanced Electrode Materials in Lithium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2016**, 8, 18797-805	9.5	106
216	One-step solid state reaction to selectively fabricate cubic and tetragonal CuFe2O4 anode material for high power lithium ion batteries. *Electrochimica Acta*, **2013**, 102, 51-57	6.7	103
215	A new low temperature one-step route to metal chalcogenide semiconductors: PbE, Bi2E3 (E=S, Se, Te). *Journal of Materials Chemistry*, **1998**, 8, 1949-1951		102
214	Comprehensive New Insights and Perspectives into Ti-Based Anodes for Next-Generation Alkaline Metal (Na+, K+) Ion Batteries. *Advanced Energy Materials*, **2018**, 8, 1801888	21.8	100
213	VS 4 nanoparticles rooted by a-C coated MWCNTs as an advanced anode material in lithium ion batteries. *Energy Storage Materials*, **2017**, 6, 149-156	19.4	99
212	Pressure-Controlled Fabrication of Stibnite Nanorods by the Solvothermal Decomposition of a Simple Single-Source Precursor. *Chemistry of Materials*, **2000**, 12, 2924-2929	9.6	97
211	High-Performance All-Inorganic Solid-State Sodium-Sulfur Battery. *ACS Nano*, **2017**, 11, 4885-4891	16.7	96
210	Multiwalled carbon nanotube@a-C@Co9S8 nanocomposites: a high-capacity and long-life anode material for advanced lithium ion batteries. *Nanoscale*, **2015**, 7, 3520-5	7.7	96
209	Selective etching of gold nanorods by ferric chloride at room temperature. *CrystEngComm*, **2009**, 11, 2797	3.3	94
208	Preparation of Single-Layer MoS(2x)Se2(1-x) and Mo(x)W(1-x)S2 Nanosheets with High-Concentration Metallic 1T Phase. *Small*, **2016**, 12, 1866-74	11	91

207	In Situ Synthesis of Metal Sulfide Nanoparticles Based on 2D Metal-Organic Framework Nanosheets. *Small*, **2016**, 12, 4669-74	11	88
206	A solvothermal decomposition process for fabrication and particle sizes control of Bi2S3 nanowires. *Journal of Materials Research*, **1999**, 14, 4157-4162	2.5	88
205	Porous Molybdenum Phosphide Nano-Octahedrons Derived from Confined Phosphorization in UIO-66 for Efficient Hydrogen Evolution. *Angewandte Chemie*, **2016**, 128, 13046-13050	3.6	86
204	Hybrid Fibers Made of Molybdenum Disulfide, Reduced Graphene Oxide, and Multi-Walled Carbon Nanotubes for Solid-State, Flexible, Asymmetric Supercapacitors. *Angewandte Chemie*, **2015**, 127, 4734-4739	3.6	85
203	Pt4PdCu0.4 alloy nanoframes as highly efficient and robust bifunctional electrocatalysts for oxygen reduction reaction and formic acid oxidation. *Nano Energy*, **2017**, 39, 532-538	17.1	84
202	Novel mesoporous silicon nanorod as an anode material for lithium ion batteries. *Electrochimica Acta*, **2014**, 127, 252-258	6.7	84
201	Metal-organic framework-derived Co0.85Se nanoparticles in N-doped carbon as a high-rate and long-lifespan anode material for potassium ion batteries. *Materials Today Energy*, **2018**, 10, 241-248	7	82
200	Facile synthesis of MnO2/CNT nanocomposite and its electrochemical performance for supercapacitors. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2011**, 176, 1073-1078	3.1	81
199	Autothermal reforming of ethanol for hydrogen production over perovskite LaNiO3. *Chemical Engineering Journal*, **2010**, 160, 333-339	14.7	78
198	Hydrogenated TiO2 Branches Coated Mn3O4 Nanorods as an Advanced Anode Material for Lithium Ion Batteries. *ACS Applied Materials & Interfaces*, **2015**, 7, 10348-55	9.5	77
197	Direct Structure-Performance Comparison of All-Carbon Potassium and Sodium Ion Capacitors. *Advanced Science*, **2019**, 6, 1802272	13.6	75
196	Surface-Amorphous and Oxygen-Deficient LiVO as a Promising Anode Material for Lithium-Ion Batteries. *Advanced Science*, **2015**, 2, 1500090	13.6	73
195	Optical properties of ZnS nanosheets, ZnO dendrites, and their lamellar precursor ZnS(NH2CH2CH2NH2)0.5. *Chemical Physics Letters*, **2002**, 361, 362-366	2.5	73
194	Few-atomic-layered hollow nanospheres constructed from alternate intercalation of carbon and MoS2 monolayers for sodium and lithium storage. *Nano Energy*, **2018**, 51, 546-555	17.1	71
193	One-Dimensional Yolk-Shell Sb@Ti-O-P Nanostructures as a High-Capacity and High-Rate Anode Material for Sodium Ion Batteries. *ACS Applied Materials & Interfaces*, **2017**, 9, 447-454	9.5	68
192	Facile synthesis of hierarchically porous NiO micro-tubes as advanced anode materials for lithium-ion batteries. *Journal of Materials Chemistry A*, **2014**, 2, 16847-16850	13	68
191	A Chain-Structure Nanotube: Growth and Characterization of Single-Crystal Sb2S3 Nanotubes via a Chemical Vapor Transport Reaction. *Advanced Materials*, **2004**, 16, 713-716	24	66
190	Triple-walled SnO2@N-doped carbon@SnO2 nanotubes as an advanced anode material for lithium and sodium storage. *Journal of Materials Chemistry A*, **2015**, 3, 23194-23200	13	64

189	Efficient and stable oxidative steam reforming of ethanol for hydrogen production: Effect of in situ dispersion of Ir over Ir/La2O3. *Journal of Catalysis*, **2010**, 269, 281-290	7.3	64
188	Solid-Solution Anion-Enhanced Electrochemical Performances of Metal Sulfides/Selenides for Sodium-Ion Capacitors: The Case of FeSSe. *ACS Applied Materials & Interfaces*, **2018**, 10, 10945-10954	9.5	63
187	Selective Catalysis of the Aerobic Oxidation of Cyclohexane in the Liquid Phase by Carbon Nanotubes. *Angewandte Chemie*, **2011**, 123, 4064-4068	3.6	63
186	Hydrothermal Preparation and Characterization of Nanocrystalline Powder of Indium Sulfide. *Materials Research Bulletin*, **1998**, 33, 717-721	5.1	62
185	Layered-Structure SbPO/Reduced Graphene Oxide: An Advanced Anode Material for Sodium Ion Batteries. *ACS Nano*, **2018**, 12, 12869-12878	16.7	60
184	High efficient conversion of cellulose to polyols with Ru/CNTs as catalyst. *Renewable Energy*, **2012**, 37, 192-196	8.1	58
183	A comparative study of lithium-storage performances of hematite: Nanotubes vs. nanorods. *Journal of Power Sources*, **2014**, 245, 429-435	8.9	58
182	Synthesis and Formation Mechanism of La2O2S via a Novel Solvothermal Pressure-Relief Process. *Chemistry of Materials*, **1999**, 11, 192-194	9.6	57
181	SnP2O7 Covered Carbon Nanosheets as a Long-Life and High-Rate Anode Material for Sodium-Ion Batteries. *Advanced Functional Materials*, **2018**, 28, 1804672	15.6	57
180	Controllable morphologies and electrochemical performances of self-assembled nano-honeycomb WS2 anodes modified by graphene doping for lithium and sodium ion batteries. *Carbon*, **2019**, 142, 697-706	10.4	56
179	Crystal engineering and SERS properties of Ag Fe3O4 nanohybrids: from heterodimer to core shell nanostructures. *Journal of Materials Chemistry*, **2011**, 21, 17930		56
178	Hierarchical core shell Fe2O3@C nanotubes as a high-rate and long-life anode for advanced lithium ion batteries. *Journal of Materials Chemistry A*, **2014**, 2, 3439-3444	13	55
177	Simple synthesis of a porous Sb/Sb2O3 nanocomposite for a high-capacity anode material in Na-ion batteries. *Nano Research*, **2017**, 10, 1794-1803	10	53
176	Biphase-Interface Enhanced Sodium Storage and Accelerated Charge Transfer: Flower-Like Anatase/Bronze TiO/C as an Advanced Anode Material for Na-Ion Batteries. *ACS Applied Materials & Interfaces*, **2017**, 9, 43648-43656	9.5	53
175	Organic solvent dependence of plasma resonance of gold nanorods: A simple relationship. *Chemical Physics Letters*, **2005**, 416, 215-219	2.5	53
174	The role of RuO2 in the electrocatalytic oxidation of methanol for direct methanol fuel cell. *Catalysis Communications*, **2009**, 10, 533-537	3.2	52
173	Electrodeposition preparation of octahedral-Cu2O-loaded TiO2 nanotube arrays for visible light-driven photocatalysis. *Scripta Materialia*, **2010**, 63, 159-161	5.6	51
172	Tailored N-doped porous carbon nanocomposites through MOF self-assembling for Li/Na ion batteries. *Journal of Colloid and Interface Science*, **2019**, 538, 267-276	9.3	51

171	Controlled synthesis of bimetallic Pd-Rh nanoframes and nanoboxes with high catalytic performances. *Nanoscale*, **2015**, 7, 9558-62	7.7	50
170	Hydrothermal preparation and characterization of rod-like ultrafine powders of bismuth sulfide. *Materials Research Bulletin*, **1998**, 33, 1661-1666	5.1	50
169	Uniform nucleation of sodium in 3D carbon nanotube framework via oxygen doping for long-life and efficient Na metal anodes. *Energy Storage Materials*, **2019**, 23, 137-143	19.4	49
168	Lithium phosphide/lithium chloride coating on lithium for advanced lithium metal anode. *Journal of Materials Chemistry A*, **2018**, 6, 15859-15867	13	49
167	Thermal stability of gold nanorods in an aqueous solution. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2010**, 372, 177-181	5.1	48
166	Pseudocapacitance boosted N-doped carbon coated Fe7S8 nanoaggregates as promising anode materials for lithium and sodium storage. *Nano Research*, **2020**, 13, 691-700	10	47
165	Enhanced electrochemical properties of nano-Li3PO4 coated on the LiMn2O4 cathode material for lithium ion battery at 55 ℃. *Materials Letters*, **2012**, 66, 168-171	3.3	47
164	Development of stable PtRu catalyst coated with manganese dioxide for electrocatalytic oxidation of methanol. *Electrochemistry Communications*, **2010**, 12, 1210-1213	5.1	47
163	A dealloying process of core-shell Au@AuAg nanorods for porous nanorods with enhanced catalytic activity. *Nanoscale*, **2013**, 5, 12582-8	7.7	46
162	Preparation of B, N-codoped nanotube arrays and their enhanced visible light photoelectrochemical performances. *Electrochemistry Communications*, **2011**, 13, 121-124	5.1	46
161	One-pot solvothermal synthesis of graphene wrapped rice-like ferrous carbonate nanoparticles as anode materials for high energy lithium-ion batteries. *Nanoscale*, **2015**, 7, 232-9	7.7	45
160	Effect of nitrogen-doping temperature on the structure and photocatalytic activity of the B,N-doped TiO2. *Journal of Solid State Chemistry*, **2011**, 184, 134-140	3.3	45
159	Mesoporous Cu2-xSe nanocrystals as an ultrahigh-rate and long-lifespan anode material for sodium-ion batteries. *Energy Storage Materials*, **2019**, 22, 275-283	19.4	43
158	Porous MnFe2O4 microrods as advanced anodes for Li-ion batteries with long cycle lifespan. *Journal of Materials Chemistry A*, **2015**, 3, 9550-9555	13	43
157	Preparation of nitrogen doped TiO2 photocatalyst by oxidation of titanium nitride with H2O2. *Materials Research Bulletin*, **2011**, 46, 840-844	5.1	43
156	Anchoring and space-confinement effects to form ultrafine Ru nanoclusters for efficient hydrogen generation. *Journal of Materials Chemistry A*, **2018**, 6, 13859-13866	13	42
155	Steam Reforming of Oxygenate Fuels for Hydrogen Production: A Thermodynamic Study. *Energy & Fuels*, **2011**, 25, 2643-2650	4.1	42
154	Novel highly efficient alumina-supported cobalt nitride catalyst for preferential CO oxidation at high temperatures. *International Journal of Hydrogen Energy*, **2011**, 36, 1955-1959	6.7	42

153	Hierarchical vanadium pentoxide microflowers with excellent long-term cyclability at high rates for lithium ion batteries. *Journal of Power Sources*, **2014**, 272, 991-996	8.9	40
152	Ether-based nonflammable electrolyte for room temperature sodium battery. *Journal of Power Sources*, **2015**, 284, 222-226	8.9	40
151	Mesoporous zinc-blende ZnS nanoparticles: synthesis, characterization and superior photocatalytic properties. *Nanotechnology*, **2008**, 19, 255603	3.4	40
150	Organothermal Synthesis and Characterization of Nanocrystalline Indium Sulfide. *Journal of the American Ceramic Society*, **2004**, 82, 457-460	3.8	40
149	Chemical synthesis, structural characterization, optical properties, and photocatalytic activity of ultrathin ZnSe nanorods. *Chemistry - A European Journal*, **2011**, 17, 8663-70	4.8	39
148	Ultrasensitive detection and molecular imaging with magnetic nanoparticles. *Analyst, The*, **2008**, 133, 154-60	5	39
147	Hierarchically Porous CuCo2O4 Microflowers: a Superior Anode Material for Li-ion Batteries and a Stable Cathode Electrocatalyst for Li-O2 Batteries. *Electrochimica Acta*, **2016**, 208, 148-155	6.7	39
146	Thermodynamic analysis of hydrogen generation via oxidative steam reforming of glycerol. *Renewable Energy*, **2011**, 36, 2120-2127	8.1	37
145	Synthesis of 4H/fcc-Au@Metal Sulfide Core-Shell Nanoribbons. *Journal of the American Chemical Society*, **2015**, 137, 10910-3	16.4	35
144	One-step synthesis and characterization of gold-hollow PbS(x) hybrid nanoparticles. *Angewandte Chemie - International Edition*, **2009**, 48, 3991-5	16.4	35
143	Facile solid-state synthesis of Li2MnSiO4/C nanocomposite as a superior cathode with a long cycle life. *Journal of Power Sources*, **2013**, 231, 39-43	8.9	34
142	Effect of different carbon sources on the electrochemical properties of rod-like LiMnPO4 nanocomposites. *RSC Advances*, **2013**, 3, 6847	3.7	34
141	RuO2xH2O Supported on Carbon Nanotubes as a Highly Active Catalyst for Methanol Oxidation. *Journal of Physical Chemistry C*, **2008**, 112, 11875-11880	3.8	33
140	General Synthesis of Semiconductor Chalcogenide Nanorods by Using the Monodentate Ligand n-Butylamine as a Shape Controller. *Angewandte Chemie*, **2002**, 114, 4891-4894	3.6	33
139	Li3VO4 nanoparticles in N-doped carbon with porous structure as an advanced anode material for lithium-ion batteries. *Chemical Engineering Journal*, **2019**, 370, 606-613	14.7	32
138	Carbon-coated mesoporous Co9S8 nanoparticles on reduced graphene oxide as a long-life and high-rate anode material for potassium-ion batteries. *Nano Research*, **2020**, 13, 802-809	10	32
137	Hybrid PdAg alloy-Au nanorods: Controlled growth, optical properties and electrochemical catalysis. *Nano Research*, **2013**, 6, 571-580	10	32
136	A novel morphology controllable preparation method to HgS. *Materials Research Bulletin*, **2001**, 36, 343-348	5.1	32

135	Long Cycle Life All-Solid-State Sodium Ion Battery. *ACS Applied Materials & Interfaces*, **2018**, 10, 39645-39650	9.5	32
134	Plasmon-enhanced electrocatalytic hydrogen/oxygen evolution by Pt/Fe2Au nanorods. *Journal of Materials Chemistry A*, **2018**, 6, 7364-7369	13	31
133	In situ growth, structure characterization, and enhanced photocatalysis of high-quality, single-crystalline ZnTe/ZnO branched nanoheterostructures. *Nanoscale*, **2011**, 3, 4418-26	7.7	31
132	Capacitance dependent catalytic activity of RuO2 x xH2O/CNT nanocatalysts for aerobic oxidation of benzyl alcohol. *Chemical Communications*, **2009**, 2408-10	5.8	31
131	Coaxial Manganese Dioxide@N-doped Carbon Nanotubes as Superior Anodes for Lithium Ion Batteries. *Electrochimica Acta*, **2015**, 182, 676-681	6.7	30
130	In Situ Thermal Atomization To Convert Supported Nickel Nanoparticles into Surface-Bound Nickel Single-Atom Catalysts. *Angewandte Chemie*, **2018**, 130, 14291-14296	3.6	30
129	Hierarchically porous Li3VO4/C nanocomposite as an advanced anode material for high-performance lithium-ion capacitors. *Journal of Power Sources*, **2018**, 384, 240-248	8.9	29
128	Hydrogen production via autothermal reforming of ethanol over noble metal catalysts supported on oxides. *Journal of Natural Gas Chemistry*, **2009**, 18, 191-198		29
127	Tunnel-structured Na(0.54)Mn(0.50)Ti(0.51)O2 and Na(0.54)Mn(0.50)Ti(0.51)O2/C nanorods as advanced cathode materials for sodium-ion batteries. *Chemical Communications*, **2015**, 51, 8480-3	5.8	28
126	Benzene-thermal synthesis and characterization of ultrafine powders of antimony sulfide. *Materials Research Bulletin*, **1998**, 33, 1207-1211	5.1	27
125	Controlled growth of aluminium nitride nanorod arrays via chemical vapour deposition. *Nanotechnology*, **2006**, 17, S321-S326	3.4	27
124	Mesoporous Amorphous Silicon: A Simple Synthesis of a High-Rate and Long-Life Anode Material for Lithium-Ion Batteries. *Angewandte Chemie*, **2016**, 128, 14269-14272	3.6	27
123	Vanadium sulfide sub-microspheres: A new near-infrared-driven photocatalyst. *Journal of Colloid and Interface Science*, **2017**, 498, 442-448	9.3	26
122	Hierarchical mesoporous Li2Mn0.5Fe0.5SiO4 and Li2Mn0.5Fe0.5SiO4/C assembled by nanoparticles or nanoplates as a cathode material for lithium-ion batteries. *Nano Energy*, **2014**, 7, 1-9	17.1	26
121	Assessment and optimization of the mass-transfer limitation in a metal foam methanol microreformer. *Applied Catalysis A: General*, **2008**, 337, 155-162	5.1	26
120	2D MOF induced accessible and exclusive Co single sites for an efficient O-silylation of alcohols with silanes. *Chemical Communications*, **2019**, 55, 6563-6566	5.8	25
119	Boron and nitrogen-codoped TiO2 nanorods: Synthesis, characterization, and photoelectrochemical properties. *Journal of Solid State Chemistry*, **2011**, 184, 3002-3007	3.3	24
118	MOF-derived manganese monoxide nanosheet-assembled microflowers for enhanced lithium-ion storage. *Nanoscale*, **2019**, 11, 10763-10773	7.7	22

117	Chlorine-doped SnO2 hydrophobic surfaces for large grain perovskite solar cells. *Journal of Materials Chemistry C*, **2020**, 8, 11638-11646	7.1	22
116	Cellulose-Hydrogel-Derived Self-Activated Carbon/SnO2 Nanocomposites for High-Performance Lithium Storage. *ACS Applied Energy Materials*, **2019**, 2, 5171-5182	6.1	22
115	Two-Dimensional CuSe Nanosheets with Microscale Lateral Size: Synthesis and Template-Assisted Phase Transformation. *Angewandte Chemie*, **2014**, 126, 5183-5187	3.6	22
114	Facile Preparation of an Excellent Pt/RuO2-MnO2/CNTs Nanocatalyst for Anodes of Direct Methanol Fuel Cells. *Fuel Cells*, **2011**, 11, 301-308	2.9	22
113	Efficient and Robust Hydrogen Evolution: Phosphorus Nitride Imide Nanotubes as Supports for Anchoring Single Ruthenium Sites. *Angewandte Chemie*, **2018**, 130, 9639-9644	3.6	21
112	Polyanions Enhance Conversion Reactions for Lithium/Sodium-Ion Batteries: The Case of SbVO4 Nanoparticles on Reduced Graphene Oxide. *Small Methods*, **2019**, 3, 1900231	12.8	20
111	A single palladium site catalyst as a bridge for converting homogeneous to heterogeneous in dimerization of terminal aryl acetylenes. *Materials Chemistry Frontiers*, **2018**, 2, 1317-1322	7.8	20
110	Additive-assisted synthesis of boride, carbide, and nitride micro/nanocrystals. *Journal of Solid State Chemistry*, **2012**, 194, 219-224	3.3	20
109	Controlled synthesis of octahedral Cu2O on TiO2 nanotube arrays by electrochemical deposition. *Materials Chemistry and Physics*, **2011**, 130, 316-322	4.4	20
108	Chemical synthesis, structure characterization, and optical properties of hollow PbS(x)-solid Au heterodimer nanostructures. *Chemistry - A European Journal*, **2010**, 16, 5920-6	4.8	20
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