

# Xuefeng Qian

## List of Publications by Citations

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#	Paper	IF	Citations
226	Large-Scale Fabrication of Tower-like, Flower-like, and Tube-like ZnO Arrays by a Simple Chemical Solution Route. <i>Langmuir</i> , <b>2004</b> , 20, 3441-3448	4	427
225	Preparation of polychrome silver nanoparticles in different solvents. <i>Journal of Materials Chemistry</i> , <b>2002</b> , 12, 3783-3786		240
224	High symmetric 18-facet polyhedron nanocrystals of Cu <sub>7</sub> S <sub>4</sub> with a hollow nanocage. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 16024-5	16.4	225
223	Highly efficient Ag <sub>2</sub> O/Bi <sub>2</sub> O <sub>3</sub> p-n heterojunction photocatalysts with improved visible-light responsive activity. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 11698-705	9.5	224
222	Facile synthesis and superior electrochemical performances of CoNi <sub>2</sub> S <sub>4</sub> /graphene nanocomposite suitable for supercapacitor electrodes. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 9613-9619	13	215
221	Novel Bi <sub>2</sub> S <sub>3</sub> /Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> heterojunction photocatalysts with enhanced visible light responsive activity and wastewater treatment. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 4208	13	189
220	Utilizing the Space-Charge Region of the FeNi-LDH/CoP p-n Junction to Promote Performance in Oxygen Evolution Electrocatalysis. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 11903-11909	16.4	163
219	Poly(etherimide)/montmorillonite nanocomposites prepared by melt intercalation: morphology, solvent resistance properties and thermal properties. <i>Polymer</i> , <b>2001</b> , 42, 873-877	3.9	161
218	Hierarchical Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> microspheres with improved visible-light-driven photocatalytic activity. <i>CrystEngComm</i> , <b>2011</b> , 13, 4010	3.3	155
217	High stability and superior rate capability of three-dimensional hierarchical SnS <sub>2</sub> microspheres as anode material in lithium ion batteries. <i>Journal of Power Sources</i> , <b>2011</b> , 196, 3650-3654	8.9	154
216	Large-Scale Fabrication of Novel Hierarchical 3D CaMoO <sub>4</sub> and SrMoO <sub>4</sub> Mesocrystals via a Microemulsion-Mediated Route. <i>Crystal Growth and Design</i> , <b>2006</b> , 6, 1821-1825	3.5	148
215	Co <sub>3</sub> O <sub>4</sub> nanorods/graphene nanosheets nanocomposites for lithium ion batteries with improved reversible capacity and cycle stability. <i>Journal of Power Sources</i> , <b>2012</b> , 202, 230-235	8.9	147
214	Shape-controlled synthesis and self-assembly of hexagonal covellite (CuS) nanoplatelets. <i>Chemistry - A European Journal</i> , <b>2007</b> , 13, 3241-7	4.8	141
213	Organic modified mesoporous MCM-41 through solvothermal process as drug delivery system. <i>Materials Research Bulletin</i> , <b>2005</b> , 40, 766-772	5.1	127
212	Shape- and size-controlled synthesis of nanometre ZnO from a simple solution route at room temperature. <i>Nanotechnology</i> , <b>2006</b> , 17, 3632-3636	3.4	126
211	3D hierarchical FeSe <sub>2</sub> microspheres: Controlled synthesis and applications in dye-sensitized solar cells. <i>Nano Energy</i> , <b>2015</b> , 15, 205-215	17.1	122
210	Silver nanocrystals by hyperbranched polyurethane-assisted photochemical reduction of Ag <sup>+</sup> . <i>Materials Chemistry and Physics</i> , <b>2003</b> , 81, 104-107	4.4	119

209	One-step synthesis of CoNi <sub>2</sub> S <sub>4</sub> nanoparticles for supercapacitor electrodes. <i>RSC Advances</i> , <b>2014</b> , 4, 6998-7	3.7	113
208	MnFe <sub>2</sub> O <sub>4</sub> -graphene nanocomposites with enhanced performances as anode materials for Li-ion batteries. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 3939-45	3.6	110
207	Highly active nanostructured CoS/CoS heterojunction electrocatalysts for aqueous polysulfide/iodide redox flow batteries. <i>Nature Communications</i> , <b>2019</b> , 10, 3367	17.4	106
206	A Mild One-Step Solvothermal Route to Metal Phosphides (Metal=Co, Ni, Cu). <i>Journal of Solid State Chemistry</i> , <b>2000</b> , 149, 88-91	3.3	101
205	Formation of silver dendrites under microwave irradiation. <i>Chemical Physics Letters</i> , <b>2003</b> , 369, 454-458	2.5	98
204	Shape- and phase-controlled synthesis of monodisperse, single-crystalline ternary chalcogenide colloids through a convenient solution synthesis strategy. <i>Chemistry - A European Journal</i> , <b>2007</b> , 13, 8840-6	4.8	95
203	Honeycomb-like metallic nickel selenide nanosheet arrays as binder-free electrodes for high-performance hybrid asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 22527-22535	13.5	94
202	Ultrathin FeSe <sub>2</sub> nanosheets: controlled synthesis and application as a heterogeneous catalyst in dye-sensitized solar cells. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 4085-91	4.8	94
201	Ultrathin ZnS Nanobelts: Shape-Controlled Synthesis and Optical and Photocatalytic Properties. <i>Crystal Growth and Design</i> , <b>2008</b> , 8, 2130-2136	3.5	94
200	Formation of monodispersed PVP-capped ZnS and CdS nanocrystals under microwave irradiation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2003</b> , 220, 151-157	5.1	93
199	The preparation and characterization of PVA/Ag <sub>2</sub> S nanocomposite. <i>Materials Chemistry and Physics</i> , <b>2001</b> , 68, 95-97	4.4	93
198	3D-hierarchical SnS <sub>2</sub> micro/nano-structures: controlled synthesis, formation mechanism and lithium ion storage performances. <i>CrystEngComm</i> , <b>2012</b> , 14, 1364-1375	3.3	92
197	Controlled synthesis of hierarchical Bi <sub>2</sub> WO <sub>6</sub> microspheres with improved visible-light-driven photocatalytic activity. <i>CrystEngComm</i> , <b>2010</b> , 12, 2100	3.3	92
196	Preparation and characterization of polyvinylpyrrolidone films containing silver sulfide nanoparticles. <i>Journal of Materials Chemistry</i> , <b>2001</b> , 11, 2504-2506		92
195	Polydopamine functionalized graphene/NiFe <sub>2</sub> O <sub>4</sub> nanocomposite with improving Li storage performances. <i>Nano Energy</i> , <b>2014</b> , 6, 51-58	17.1	85
194	Self-assembled heavy lanthanide orthovanadate architecture with controlled dimensionality and morphology. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 1233-40	4.8	84
193	Regeneration of Metal Sulfides in the Delithiation Process: The Key to Cyclic Stability. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1601056	21.8	83
192	3D hierarchical ZnIn <sub>2</sub> S <sub>4</sub> : The preparation and photocatalytic properties on water splitting. <i>International Journal of Hydrogen Energy</i> , <b>2012</b> , 37, 16986-16993	6.7	83

191	Electrospun carbon nanofibers with surface-attached platinum nanoparticles as cost-effective and efficient counter electrode for dye-sensitized solar cells. <i>Nano Energy</i> , <b>2015</b> , 11, 550-556	17.1	81
190	Boron-doped porous Si anode materials with high initial coulombic efficiency and long cycling stability. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 3022-3027	13	81
189	Crystallization of a perovskite film for higher performance solar cells by controlling water concentration in methyl ammonium iodide precursor solution. <i>Nanoscale</i> , <b>2016</b> , 8, 2693-703	7.7	81
188	Preparation and characterization of polyvinyl alcohol/selenide nanocomposites at room temperature. <i>Journal of Materials Chemistry</i> , <b>2002</b> , 12, 663-666		78
187	Interfacial Study To Suppress Charge Carrier Recombination for High Efficiency Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 26445-54	9.5	77
186	Rationally designed n-n heterojunction with highly efficient solar hydrogen evolution. <i>ChemSusChem</i> , <b>2015</b> , 8, 1218-25	8.3	76
185	3D-hierarchical Cu <sub>3</sub> SnS <sub>4</sub> flowerlike microspheres: controlled synthesis, formation mechanism and photocatalytic activity for H <sub>2</sub> evolution from water. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 4316	13	75
184	Conversion of Cu <sub>2</sub> O nanocrystals into hollow Cu <sub>2-x</sub> Se nanocages with the preservation of morphologies. <i>Chemical Communications</i> , <b>2006</b> , 4548-50	5.8	73
183	3D-hierarchical NiO/graphene nanosheet composites as anodes for lithium ion batteries with improved reversible capacity and cycle stability. <i>RSC Advances</i> , <b>2012</b> , 2, 3410	3.7	72
182	Nearly monodispersed In(OH) <sub>3</sub> hierarchical nanospheres and nanocubes: tunable ligand-assisted synthesis and their conversion into hierarchical In <sub>2</sub> O <sub>3</sub> for gas sensing. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 735-745	13	71
181	Hexagonal tin disulfide nanoplatelets: A new photocatalyst driven by solar light. <i>CrystEngComm</i> , <b>2011</b> , 13, 2071	3.3	71
180	The synthesis of ZnS hollow nanospheres with nanoporous shell. <i>Journal of Solid State Chemistry</i> , <b>2005</b> , 178, 3522-3528	3.3	71
179	Synthesis of 3-D Hierarchical Dendrites of Lead Chalcogenides in Large Scale via Microwave-Assistant Method. <i>Crystal Growth and Design</i> , <b>2007</b> , 7, 425-429	3.5	67
178	Aqueous solution fabrication of large-scale arrayed obelisk-like zinc oxide nanorods with high efficiency. <i>Journal of Solid State Chemistry</i> , <b>2004</b> , 177, 2144-2149	3.3	67
177	CoFeO-Graphene Nanocomposites Synthesized through An Ultrasonic Method with Enhanced Performances as Anode Materials for Li-ion Batteries. <i>Nano-Micro Letters</i> , <b>2014</b> , 6, 307-315	19.5	65
176	TiO <sub>2</sub> coated urchin-like SnO <sub>2</sub> microspheres for efficient dye-sensitized solar cells. <i>Nano Research</i> , <b>2014</b> , 7, 1154-1163	10	63
175	Rose-like I-doped BiOCO microspheres with enhanced visible light response: DFT calculation, synthesis and photocatalytic performance. <i>Journal of Hazardous Materials</i> , <b>2017</b> , 321, 464-472	12.8	62
174	The drug delivery system of MCM-41 materials via co-condensation synthesis. <i>Materials Chemistry and Physics</i> , <b>2006</b> , 97, 437-441	4.4	62

173	Preparation and properties of montmorillonite/organo-soluble polyimide hybrid materials prepared by a one-step approach. <i>Journal of Materials Science</i> , <b>2001</b> , 36, 871-877	4.3	62
172	Symmetrical Six-horn Nickel Diselenide Nanostars Growth from Oriented Attachment Mechanism. <i>Crystal Growth and Design</i> , <b>2007</b> , 7, 2733-2737	3.5	59
171	Preparation and characterization of polyvinyl alcohol-capped CdSe nanoparticles at room temperature. <i>Journal of Colloid and Interface Science</i> , <b>2002</b> , 252, 77-81	9.3	59
170	Solvothermal synthesis, electrochemical and photocatalytic properties of monodispersed CeO <sub>2</sub> nanocubes. <i>Materials Chemistry and Physics</i> , <b>2009</b> , 115, 835-840	4.4	58
169	From 2-D CuO nanosheets to 3-D hollow nanospheres: interface-assisted synthesis, surface photovoltage properties and photocatalytic activity. <i>Journal of Solid State Chemistry</i> , <b>2010</b> , 183, 1632-1639	3.3	55
168	The role of Mott-Schottky heterojunctions in Ag-Ag <sub>8</sub> SnS <sub>6</sub> as counter electrodes in dye-sensitized solar cells. <i>ChemSusChem</i> , <b>2015</b> , 8, 817-20	8.3	54
167	Band gap-tunable (CuIn) <sub>x</sub> Zn <sub>2(1-x)</sub> S <sub>2</sub> solid solutions: preparation and efficient photocatalytic hydrogen production from water under visible light without noble metals. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 23929		54
166	Self-assembly behavior of hepta(3,3,3-trifluoropropyl) polyhedral oligomeric silsesquioxane-capped poly( $\epsilon$ -caprolactone) in epoxy resin: Nanostructures and surface properties. <i>Polymer</i> , <b>2009</b> , 50, 685-695	3.9	54
165	Preparation and characterization of polymer-capped CdS nanocrystals. <i>Journal of Physics and Chemistry of Solids</i> , <b>2003</b> , 64, 455-458	3.9	54
164	Preparation of ZnS/PS microspheres and ZnS hollow shells. <i>Materials Letters</i> , <b>2003</b> , 57, 3859-3863	3.3	54
163	Preparation of surface bound silver nanoparticles on polyimide by surface modification method and its application on electroless metal deposition. <i>Applied Surface Science</i> , <b>2004</b> , 233, 299-306	6.7	53
162	One-step synthesis and graphene-modification to achieve nickel phosphide nanoparticles with electrochemical properties suitable for supercapacitors. <i>Materials Research Bulletin</i> , <b>2015</b> , 61, 333-339	5.1	52
161	Three dimensional metal oxides/graphene composites and their applications in lithium ion batteries. <i>RSC Advances</i> , <b>2015</b> , 5, 8814-8834	3.7	51
160	Controlled morphology synthesis of $\alpha$ -FeOOH and the phase transition to Fe <sub>2</sub> O <sub>3</sub> . <i>Journal of Solid State Chemistry</i> , <b>2005</b> , 178, 3130-3136	3.3	49
159	Incorporation of Co into MoS <sub>2</sub> /graphene nanocomposites: One effective way to enhance the cycling stability of Li/Na storage. <i>Journal of Power Sources</i> , <b>2018</b> , 373, 103-109	8.9	47
158	Rational design and fabrication of skeletal Cu <sub>7</sub> S <sub>4</sub> nanocages for efficient counter electrode in quantum dot-sensitized solar cells. <i>Nano Energy</i> , <b>2015</b> , 12, 186-196	17.1	46
157	Preparation of Bi <sub>2</sub> S <sub>3</sub> nanowiskers and their morphologies. <i>Journal of Crystal Growth</i> , <b>2003</b> , 252, 505-510	6	46
156	Photosensitive polyimide (PSPI) materials containing inorganic nano particles (I)PSPI/TiO <sub>2</sub> hybrid materials by sol-gel process. <i>Materials Chemistry and Physics</i> , <b>2002</b> , 74, 210-213	4.4	45

155	Rice husk-derived hybrid lithium-ion capacitors with ultra-high energy. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 24502-24507	13	44
154	The Preparation and Phase Transformation of Nanocrystalline Cobalt Sulfides via a Toluene Thermal Process. <i>Inorganic Chemistry</i> , <b>1999</b> , 38, 2621-2623	5.1	44
153	3D Hierarchical Co-Al Layered Double Hydroxides with Long-Term Stabilities and High Rate Performances in Supercapacitors. <i>Nano-Micro Letters</i> , <b>2017</b> , 9, 21	19.5	43
152	Solvothermal Synthesis of Nanocrystalline MoS <sub>2</sub> from MoO <sub>3</sub> and Elemental Sulfur. <i>Journal of Solid State Chemistry</i> , <b>1998</b> , 141, 270-273	3.3	43
151	An aqueous approach to ZnSe and CdSe semiconductor nanocrystals. <i>Materials Chemistry and Physics</i> , <b>1999</b> , 60, 99-102	4.4	43
150	Silica Wastes to High-Performance Lithium Storage Materials: A Rational Designed Al <sub>2</sub> O <sub>3</sub> Coating Assisted Magnesiothermic Process. <i>Small</i> , <b>2016</b> , 12, 5281-5287	11	43
149	Control of the morphology and composition of yttrium fluoride via a salt-assisted hydrothermal method. <i>CrystEngComm</i> , <b>2010</b> , 12, 199-206	3.3	42
148	Selective synthesis of CdWO <sub>4</sub> short nanorods and nanofibers and their self-assembly. <i>Journal of Solid State Chemistry</i> , <b>2004</b> , 177, 4588-4596	3.3	42
147	A simple method for selective immobilization of silver nanoparticles. <i>Applied Surface Science</i> , <b>2005</b> , 250, 109-116	6.7	42
146	Solventothermal synthesis and morphological control of nanocrystalline FeS <sub>2</sub> . <i>Materials Letters</i> , <b>2001</b> , 48, 109-111	3.3	42
145	Atomically thin layered NiFe double hydroxides assembled 3D microspheres with promoted electrochemical performances. <i>Journal of Power Sources</i> , <b>2016</b> , 325, 675-681	8.9	42
144	Porous Si@C ball-in-ball hollow spheres for lithium-ion capacitors with improved energy and power densities. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 21098-21103	13	42
143	Incorporation of plasmonic Au nanostars into photoanodes for high efficiency dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 545-551	13	41
142	Novel shape evolution of BaMoO <sub>4</sub> microcrystals. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 19295-9	3.4	41
141	Polymer/inorganic nanocomposites prepared by hydrothermal method: Preparation and characterization of PVA/transition-metal sulfides. <i>Journal of Applied Polymer Science</i> , <b>2001</b> , 82, 2744-2749	3.9	40
140	Benzene-thermal preparation of nanocrystalline chromium nitride. <i>Materials Research Bulletin</i> , <b>1999</b> , 34, 433-436	5.1	40
139	The role of Mott-Schottky heterojunctions in PtCo-Cu <sub>2</sub> ZnGeS <sub>4</sub> as counter electrodes in dye-sensitized solar cells. <i>Chemical Communications</i> , <b>2015</b> , 51, 8950-3	5.8	39
138	The synthesis and morphological control of nanocrystalline pyrite nickel disulfide and cobalt disulfide. <i>Materials Chemistry and Physics</i> , <b>2000</b> , 66, 97-99	4.4	39

137	Improving the catalytic performance of Ni <sub>3</sub> S <sub>4</sub> -PtCo heteronanorods via Mott-Schottky effect toward the reduction of iodine couples in dye-sensitized solar cells. <i>Electrochimica Acta</i> , <b>2017</b> , 241, 89-97	6.7	38
136	Preparation of polystyrene/zirconia core-shell microspheres and zirconia hollow shells. <i>Inorganic Chemistry Communication</i> , <b>2003</b> , 6, 942-945	3.1	38
135	Controlled synthesis of light rare-earth hydroxide nanorods via a simple solution route. <i>Journal of Physics and Chemistry of Solids</i> , <b>2009</b> , 70, 688-693	3.9	37
134	Preparation and characterization of CdSe nanocrystals via Na <sub>2</sub> SO <sub>3</sub> -assisted photochemical route. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2003</b> , 103, 202-206	3.1	37
133	Well-defined CoSe@MoSe hollow heterostructured nanocubes with enhanced dissociation kinetics for overall water splitting. <i>Nanoscale</i> , <b>2020</b> , 12, 326-335	7.7	36
132	N-type hedgehog-like CuBi <sub>2</sub> O <sub>4</sub> hierarchical microspheres: room temperature synthesis and their photoelectrochemical properties. <i>CrystEngComm</i> , <b>2015</b> , 17, 4019-4025	3.3	35
131	A hierarchical CoFeS/reduced graphene oxide composite for highly efficient counter electrodes in dye-sensitized solar cells. <i>Dalton Transactions</i> , <b>2017</b> , 46, 9511-9516	4.3	35
130	Controllable synthesis of hierarchical nanostructures of CaWO <sub>4</sub> and SrWO <sub>4</sub> via a facile low-temperature route. <i>Materials Research Bulletin</i> , <b>2009</b> , 44, 45-50	5.1	35
129	Synthesis of single crystal CdMoO <sub>4</sub> octahedral microparticles via microemulsion-mediated route. <i>Journal of Colloid and Interface Science</i> , <b>2006</b> , 304, 408-12	9.3	35
128	In situ synthesis of CdS/PVK nanocomposites and their optical properties. <i>Materials Letters</i> , <b>2003</b> , 57, 1351-1354	3.3	35
127	Na <sub>2</sub> Ge <sub>4</sub> O <sub>9</sub> nanoparticles encapsulated in 3D carbon networks with long-term stability and superior rate capability in lithium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 10552-10557	13	34
126	One-step construction of multi-doped nanoporous carbon-based nanoarchitecture as an advanced bifunctional oxygen electrode for Zn-Air batteries. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 265, 118594	21.8	34
125	Polymer-inorganic nanocomposites prepared by hydrothermal method: PVA/ZnS, PVA/CdS, preparation and characterization. <i>Journal of Materials Science Letters</i> , <b>2000</b> , 19, 2235-2237		33
124	Direct growth of SnO <sub>2</sub> nanorods on graphene as high capacity anode materials for lithium ion batteries. <i>RSC Advances</i> , <b>2013</b> , 3, 20573	3.7	32
123	Efficient Counter Electrode Manufactured from Ag <sub>2</sub> S Nanocrystal Ink for Dye-Sensitized Solar Cells. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 15153-7	4.8	32
122	Synthesis and luminescence property of rare earth complex nanoparticles dispersed within pores of modified mesoporous silica. <i>Materials Research Bulletin</i> , <b>2002</b> , 37, 2293-2301	5.1	32
121	Formation of NiFeO/Expanded Graphite Nanocomposites with Superior Lithium Storage Properties. <i>Nano-Micro Letters</i> , <b>2017</b> , 9, 34	19.5	31
120	Homogenously hexagonal prismatic AgBiS <sub>2</sub> nanocrystals: controlled synthesis and application in quantum dot-sensitized solar cells. <i>CrystEngComm</i> , <b>2015</b> , 17, 1902-1905	3.3	31

- 119 Synthesis of Ni-doped NiO/RGONS nanocomposites with enhanced rate capabilities as anode materials for Li ion batteries. *CrystEngComm*, **2013**, 15, 6663 3.3 31
- 118 Zn<sub>x</sub>Ga<sub>2</sub>O<sub>3+x</sub> (0 ≤ x ≤ 1) solid solution nanocrystals: tunable composition and optical properties. *Journal of Materials Chemistry*, **2012**, 22, 653-659 31
- 117 Preparation of nanocrystalline nickel powders through hydrothermal-reduction method. *Materials Research Bulletin*, **1998**, 33, 1747-1751 5.1 31
- 116 Dilute Potts model in two dimensions. *Physical Review E*, **2005**, 72, 056132 2.4 31
- 115 FeC nanoparticles encapsulated in highly crystalline porous graphite: salt-template synthesis and enhanced electrocatalytic oxygen evolution activity and stability. *Chemical Communications*, **2018**, 54, 3158-3161 5.8 30
- 114 Synthesis and Characterization of Ag<sub>2</sub>S Nanocrystals in Hyperbranched Polyurethane at Room Temperature. *Journal of Solid State Chemistry*, **2002**, 168, 259-262 3.3 30
- 113 Hierarchical Cu<sub>7</sub>S<sub>4</sub> nanotubes assembled by hexagonal nanoplates with high catalytic performance for quantum dot-sensitized solar cells. *Journal of Power Sources*, **2015**, 299, 212-220 8.9 29
- 112 Core-Shell and Hollow Microspheres Composed of Tin Oxide Nanocrystals as Anode Materials for Lithium-Ion Batteries. *Electrochemical and Solid-State Letters*, **2007**, 10, K33 29
- 111 A room temperature chemical route to nanocrystalline PbS semiconductor. *Materials Letters*, **1999**, 40, 255-258 3.3 29
- 110 In Situ Sacrificial Template Approach to the Synthesis of Octahedral CdS Microcages. *Journal of Physical Chemistry C*, **2007**, 111, 1935-1940 3.8 28
- 109 Selective electroless deposition of copper on polyimide surface by microcontact printing. *Applied Surface Science*, **2005**, 241, 471-476 6.7 28
- 108 Preparation of soluble polyimide/silver nanocomposites by a convenient ultraviolet irradiation technique. *Materials Chemistry and Physics*, **2001**, 69, 172-175 4.4 28
- 107 Fabrication of single-crystal ZnO nanorods and ZnS nanotubes through a simple ultrasonic chemical solution method. *Materials Letters*, **2007**, 61, 3639-3643 3.3 27
- 106 Synthesis of MoSe<sub>2</sub> nanocrystallites by a solvothermal conversion from MoO<sub>3</sub>. *Materials Research Bulletin*, **1999**, 34, 497-501 5.1 27
- 105 Encapsulating CoS-CoSe heterostructured nanocrystals in N-doped carbon nanocubes as highly efficient counter electrodes for dye-sensitized solar cells. *Dalton Transactions*, **2018**, 47, 5236-5244 4.3 26
- 104 Synergistically Enhanced Electrochemical Performance of NiS-PtX (X = Fe, Ni) Heteronanorods as Heterogeneous Catalysts in Dye-Sensitized Solar Cells. *ACS Applied Materials & Interfaces*, **2017**, 9, 27607-27617 9.5 26
- 103 Hydrothermal synthesis of uniform rock salt (R) MnS transformation from wurtzite (W) MnS. *Materials Chemistry and Physics*, **2011**, 125, 698-703 4.4 26
- 102 Controlled synthesis of light rare earth phosphate nanowires via a simple solution route. *Materials Chemistry and Physics*, **2009**, 114, 479-484 4.4 26



101	Organo-thermal preparation of nanocrystalline cobalt phosphides. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>1997</b> , 49, 135-137	3.1	26
100	Efficient Ag <sub>8</sub> GeS <sub>6</sub> counter electrode prepared from nanocrystal ink for dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 20359-20365	13	25
99	Solvent-thermal preparation of nanocrystalline pyrite cobalt disulfide. <i>Journal of Alloys and Compounds</i> , <b>1998</b> , 278, 110-112	5.7	25
98	Large-scale synthesis of tube-like ZnS and cable-like ZnS/nO arrays: Preparation through the sulfuration conversion from ZnO arrays via a simple chemical solution route. <i>Journal of Solid State Chemistry</i> , <b>2005</b> , 178, 1589-1594	3.3	25
97	The preparation and phase transition of nanocrystalline iron sulfides via toluene-thermal process. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>1999</b> , 64, 170-173	3.1	25
96	Black lead molybdate nanoparticles: Facile synthesis and photocatalytic properties responding to visible light. <i>Applied Surface Science</i> , <b>2015</b> , 328, 428-435	6.7	24
95	SnO <sub>2</sub> /C composites fabricated by a biotemplating method from cotton and their electrochemical performances. <i>CrystEngComm</i> , <b>2014</b> , 16, 3318-3322	3.3	24
94	Dye-Sensitized Solar Cells Based on Porous Hollow Tin Oxide Nanofibers. <i>IEEE Transactions on Electron Devices</i> , <b>2015</b> , 62, 2027-2032	2.9	23
93	A New Way to Prepare Nanocrystalline Dinickel Phosphide. <i>Materials Research Bulletin</i> , <b>1998</b> , 33, 669-673	3.1	23
92	Glycerol-crosslinked PEDOT:PSS as bifunctional binder for Si anodes: Improved interfacial compatibility and conductivity. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 565, 270-277	9.3	22
91	Fe doping promoted electrocatalytic N <sub>2</sub> reduction reaction of 2H MoS <sub>2</sub> . <i>Chinese Chemical Letters</i> , <b>2020</b> , 31, 2487-2490	8.1	21
90	RE/ZrO <sub>2</sub> (RE=Sm, Eu) composite oxide nano-materials: Synthesis and applications in photocatalysis. <i>Materials Research Bulletin</i> , <b>2013</b> , 48, 3735-3742	5.1	21
89	Large-scale CdX (X=S, Se) microtube arrays on glass substrate: transformation of CdOHCl microrod arrays by a simple template-sacrificing solution method. <i>Journal of Solid State Chemistry</i> , <b>2004</b> , 177, 4386-4393	3.3	21
88	Co stabilized metallic 1Td MoS <sub>2</sub> monolayers: Bottom-up synthesis and enhanced capacitance with ultra-long cycling stability. <i>Materials Today Energy</i> , <b>2018</b> , 7, 10-17	7	21
87	Activation of Passive Nanofillers in Composite Polymer Electrolyte for Higher Performance Lithium-Ion Batteries. <i>Advanced Sustainable Systems</i> , <b>2017</b> , 1, 1700043	5.9	20
86	ZnO clusters in situ generated inside mesoporous silica. <i>Materials Research Bulletin</i> , <b>2006</b> , 41, 1155-1159	5.1	20
85	Critical frontier of the triangular Ising antiferromagnet in a field. <i>Physical Review E</i> , <b>2004</b> , 69, 036127	2.4	20
84	Facile Synthesis of Porous Zn-Sn-O Nanocubes and Their Electrochemical Performances. <i>Nano-Micro Letters</i> , <b>2016</b> , 8, 174-181	19.5	20

83	High power and stable P-doped yolk-shell structured Si@C anode simultaneously enhancing conductivity and Li <sup>+</sup> diffusion kinetics. <i>Nano Research</i> , <b>2021</b> , 14, 1004-1011	10	20
82	Colloidal synthesis of wurtz-stannite Cu <sub>2</sub> CdGeS <sub>4</sub> nanocrystals with high catalytic activity toward iodine redox couples in dye-sensitized solar cells. <i>Chemical Communications</i> , <b>2016</b> , 52, 10866-9	5.8	19
81	Multi-functional NiS <sub>2</sub> /FeS <sub>2</sub> /N-doped carbon nanorods derived from metal-organic frameworks with fast reaction kinetics for high performance overall water splitting and lithium-ion batteries. <i>Journal of Power Sources</i> , <b>2019</b> , 436, 226857	8.9	19
80	Preparation of PS/TiO <sub>2</sub> core-shell microspheres and TiO <sub>2</sub> hollow shells. <i>Journal of Materials Science</i> , <b>2003</b> , 38, 4911-4916	4.3	19
79	Magnetite modified graphene nanosheets with improved rate performance and cyclic stability for Li ion battery anodes. <i>RSC Advances</i> , <b>2012</b> , 2, 4397	3.7	18
78	Synthesis of monodispersed CdSe nanocrystals in poly(styrene-alt-maleic anhydride) at room temperature. <i>Materials Research Bulletin</i> , <b>2003</b> , 38, 1359-1366	5.1	18
77	Molecular orbital confinement effect of mesoporous silica of MCM-41 on conjugated polymer. <i>Synthetic Metals</i> , <b>2003</b> , 139, 187-190	3.6	18
76	One-pot synthesis of CoNiO <sub>2</sub> single-crystalline nanoparticles as high-performance electrode materials of asymmetric supercapacitors. <i>Journal of Nanoparticle Research</i> , <b>2015</b> , 17, 1	2.3	17
75	A candidate strategy to achieve high initial Coulombic efficiency and long cycle life of Si anode materials: exterior carbon coating on porous Si microparticles. <i>Materials Today Energy</i> , <b>2017</b> , 5, 299-304	7	17
74	The combination of intercalation and conversion reactions to improve the volumetric capacity of the cathode in LIB batteries. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 3618-3623	13	16
73	Prussian blue-derived synthesis of uniform nanoflakes-assembled NiS hierarchical microspheres as highly efficient electrocatalysts in dye-sensitized solar cells.. <i>RSC Advances</i> , <b>2018</b> , 8, 5992-6000	3.7	16
72	Hierarchical Cu <sub>2</sub> Se nanotubes constructed by two-unit-cell-thick nanosheets: room-temperature synthesis and promoted electrocatalytic activity towards polysulfides. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 4790-4796	13	16
71	AgIn <sub>x</sub> Ga <sub>1-x</sub> S <sub>2</sub> solid solution nanocrystals: synthesis, band gap tuning and photocatalytic activity. <i>CrystEngComm</i> , <b>2014</b> , 16, 10123-10130	3.3	16
70	Engineering of Nanotips in ZnO Submicrorods and Patterned Arrays. <i>Crystal Growth and Design</i> , <b>2009</b> , 9, 797-802	3.5	16
69	Necklace-like nanostructures of cadmium hydroxide: Controlled synthesis with bubble-template and its separation property on dye. <i>Solid State Sciences</i> , <b>2008</b> , 10, 1577-1583	3.4	16
68	Synthesis of novel mesoporous silica spheres with starburst pore canal structure. <i>Journal of Solid State Chemistry</i> , <b>2004</b> , 177, 844-848	3.3	16
67	A novel solid-liquid route for the preparation of Cu <sub>3</sub> Se <sub>2</sub> and Ag <sub>2</sub> Se nanocrystals. <i>Inorganic Chemistry Communication</i> , <b>2003</b> , 6, 34-37	3.1	16
66	Nanoscale control of grain boundary potential barrier, dopant density and filled trap state density for higher efficiency perovskite solar cells. <i>Informa Materly</i> , <b>2020</b> , 2, 409-423	23.1	16

65	Eu <sup>3+</sup> complex/polyimide nanocomposites: Improvement in mechanical and thermal properties. <i>Journal of Applied Polymer Science</i> , <b>2002</b> , 86, 2707-2712	2.9	15
64	Solvent thermal preparation of nanocrystalline tin chalcogenide. <i>Journal of Physics and Chemistry of Solids</i> , <b>1999</b> , 60, 415-417	3.9	15
63	Cube-in-cube hollow Cu <sub>9</sub> S <sub>5</sub> nanostructures with enhanced photocatalytic activities in solar H <sub>2</sub> evolution. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 13576-82	4.8	14
62	Preparation and properties of rare earth oxide/polyimide hybrids. <i>Polymer Testing</i> , <b>2002</b> , 21, 841-845	4.5	14
61	Utilizing the Space-Charge Region of the FeNi-LDH/CoP p-n Junction to Promote Performance in Oxygen Evolution Electrocatalysis. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 12029-12035	3.6	13
60	Si@SiO <sub>x</sub> /Graphene Nanosheets Composite: Ball Milling Synthesis and Enhanced Lithium Storage Performance. <i>Frontiers in Materials</i> , <b>2018</b> , 4,	4	13
59	Novel growth of ZnO micro-rod arrays using hydrophobically micropatterned surfaces. <i>Materials Science in Semiconductor Processing</i> , <b>2007</b> , 10, 68-76	4.3	13
58	Preparation and luminescence properties of the PMMA/SiO <sub>2</sub> /Eu <sup>3+</sup> /H <sub>2</sub> O hybrids by a sol-gel method. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2003</b> , 100, 53-58	3.1	13
57	Solution-phase synthesis of Ag <sub>2</sub> S hollow and concave nanocubes. <i>Inorganic Chemistry Communication</i> , <b>2004</b> , 7, 359-362	3.1	12
56	Spectroscopic studies on conjugated polymers in mesoporous channels: influence of polymer side-chain length. <i>Journal of Physics and Chemistry of Solids</i> , <b>2003</b> , 64, 2451-2455	3.9	12
55	Design and synthesis of the composites of multiporous NiMnO <sub>3</sub> micro-nano structure spheres and graphene with alleviated side reaction and enhanced performances as anode materials for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 716, 270-277	5.7	11
54	Photocatalytic studies of HoZrO <sub>4</sub> nano-composite with controllable composition and defects. <i>Materials Characterization</i> , <b>2013</b> , 83, 178-186	3.9	11
53	MnO <sub>2</sub> /polyimide hybrid materials prepared with a convenient ultraviolet irradiation technique. <i>Materials Research Bulletin</i> , <b>2000</b> , 35, 2309-2315	5.1	11
52	A low temperature route to nanocrystalline Co <sub>9</sub> S <sub>8</sub> . <i>Journal of Physics and Chemistry of Solids</i> , <b>1999</b> , 60, 2005-2008	3.9	11
51	Ion-Cross-Linking-Promoted High-Performance Si/PEDOT:PSS Electrodes: The Importance of Cations, Ionic Potential and Softness Parameters. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 19437-19438	9.5	10
50	Preparation of rod-shape PbSO <sub>4</sub> nanocrystal and its phase transition to PbS. <i>Materials Letters</i> , <b>2005</b> , 59, 3507-3513	3.3	10
49	Preparation of polystyrene core/mesoporous silica nanoparticles shell composite. <i>Materials Letters</i> , <b>2004</b> , 58, 222-225	3.3	10
48	Gold tubes membrane with novel morphology replicated from ZnO template. <i>Journal of Solid State Chemistry</i> , <b>2005</b> , 178, 1765-1772	3.3	10

47	Preparation of ZnSe films through chemical solution reduction process. <i>Materials Research Bulletin</i> , <b>1999</b> , 34, 1637-1641	5.1	10
46	Colloid synthesis of CuFeSe <sub>2</sub> nanocubes as efficient electrocatalysts for dye-sensitized solar cells. <i>Journal of Electroanalytical Chemistry</i> , <b>2019</b> , 834, 26-32	4.1	10
45	Chemical Coupled PEDOT:PSS/Si Electrode: Suppressed Electrolyte Consumption Enables Long-Term Stability. <i>Nano-Micro Letters</i> , <b>2021</b> , 13, 54	19.5	10
44	The fabrication of hollow cubic-like CuInS <sub>2</sub> cages using Cu <sub>2</sub> O crystals as sacrificing template. <i>Materials Chemistry and Physics</i> , <b>2013</b> , 143, 15-18	4.4	9
43	Percolation in one of q colors near criticality. <i>Physical Review B</i> , <b>2005</b> , 71,	3.3	9
42	Simulation algorithms for the random-cluster model. <i>Physical Review E</i> , <b>2005</b> , 71, 016709	2.4	9
41	Fe <sub>1-x</sub> CoxS <sub>2</sub> Solid Solutions with Tunable Energy Structures to Enhance the Performance of Triiodide Reduction in Dye-Sensitized Solar Cells. <i>ChemNanoMat</i> , <b>2018</b> , 4, 1043-1047	3.5	8
40	ZrO <sub>2</sub> /Dy <sub>2</sub> O <sub>3</sub> Solid Solution Nano-Materials: Tunable Composition, Visible light Responsive Photocatalytic Activities and Reaction Mechanism. <i>Journal of the American Ceramic Society</i> , <b>2013</b> , 96, 2979-2986	3.8	8
39	Controlled synthesis of monodispersed AgGaS <sub>2</sub> 3D nanoflowers and the shape evolution from nanoflowers to colloids. <i>Journal of Solid State Chemistry</i> , <b>2011</b> , 184, 1227-1235	3.3	8
38	Synthesis of beltlike CdS nanocrystals via solvothermal route. <i>Journal of Solid State Chemistry</i> , <b>2003</b> , 172, 480-484	3.3	8
37	Photoluminescence of ZnS/PVK nanocomposites confined in ethylenediamine modified MCM-41. <i>Materials Letters</i> , <b>2003</b> , 57, 2657-2661	3.3	8
36	Self-Supported NaTi(PO) <sub>3</sub> Nanorod Arrays: Balancing Na and Electron Kinetics via Optimized Carbon Coating for High-Power Sodium-Ion Capacitor. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 50388-50396	9.5	8
35	Cu <sub>2</sub> CoGeS <sub>4</sub> nanocrystals for high performance aqueous polysulfide/iodide redox flow batteries: enhanced selectively towards the electrocatalytic conversion of polysulfides. <i>Sustainable Energy and Fuels</i> , <b>2020</b> , 4, 2892-2899	5.8	7
34	Critical line of an n-component cubic model. <i>Physical Review E</i> , <b>2006</b> , 73, 026104	2.4	7
33	Preparation and characterization of nanocrystalline PbSe in poly(acrylic acid-co-styrene). <i>Journal of Materials Research</i> , <b>2001</b> , 16, 2922-2927	2.5	7
32	Synthesis of Nanocrystalline Iron Monoarsenide via a Reductive Recombination Pathway. <i>Journal of Solid State Chemistry</i> , <b>1999</b> , 144, 237-239	3.3	7
31	Sandwiched Cu <sub>7</sub> S <sub>4</sub> @graphite felt electrode for high performance aqueous polysulfide/iodide redox flow batteries: Enhanced cycling stability and electrocatalytic dynamics of polysulfides. <i>Materials Chemistry and Physics</i> , <b>2020</b> , 250, 123143	4.4	6
30	Flower-like SnS composite with 3D pyrolyzed bacterial cellulose as the anode for lithium-ion batteries with ultralong cycle life and superior rate capability. <i>Dalton Transactions</i> , <b>2019</b> , 48, 833-838	4.3	6

29	Size and morphology-controlled Ni <sub>2</sub> [Fe(CN) <sub>6</sub> ]·xH <sub>2</sub> O Prussian Blue analogue fabricated via a hydrothermal route. <i>Materials Research Bulletin</i> , <b>2008</b> , 43, 135-140	5.1	6
28	Fabrication of CdS nanocrystals embedded in copolymer matrix by an in situ simultaneous copolymerization-sulfidation technique. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2003</b> , 98, 99-103	3.1	6
27	Water Soluble CuInSe <sub>2</sub> Nanoplates: Controlled Synthesis, Photoelectric Response and Electrocatalytic Reduction of Polysulfides. <i>ChemNanoMat</i> , <b>2015</b> , 1, 52-57	3.5	5
26	C-C Coupling Reactions in Water Catalyzed by Palladium. <i>Chinese Journal of Organic Chemistry</i> , <b>2018</b> , 38, 432	3	5
25	Donor-Acceptor Heterosystem-Functionalized Porous Hollow Carbon Microsphere for High-Performance Li-S Cathode Materials with S up to 93 wt. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 48872-48880	9.5	5
24	Photovoltaic Counter Electrodes: An Alternative Approach to Extend Light Absorption Spectra and Enhance Performance of Dye-Sensitized Solar Cells. <i>ChemPlusChem</i> , <b>2019</b> , 84, 241-246	2.8	5
23	AlO coated metal sulfides: one-pot synthesis and enhanced lithium storage stability via localized in situ conversion reactions. <i>Dalton Transactions</i> , <b>2017</b> , 46, 1260-1265	4.3	4
22	Carbon coated porous silicon flakes with high initial coulombic efficiency and long-term cycling stability for lithium ion batteries. <i>Sustainable Energy and Fuels</i> , <b>2019</b> , 3, 2361-2365	5.8	4
21	A Facile Synthesis of Urchin-Like ZnMn <sub>2</sub> O <sub>4</sub> Architectures with Enhanced Electrochemical Lithium Storage. <i>ChemistrySelect</i> , <b>2020</b> , 5, 1491-1495	1.8	4
20	A new technique for preparing macroporous inorganic composite material. <i>Journal of Solid State Chemistry</i> , <b>2004</b> , 177, 3675-3681	3.3	4
19	Novel complex-assisted photochemical route to the phase control of nanocrystalline copper selenide. <i>Journal of Materials Science Letters</i> , <b>2003</b> , 22, 1801-1803		4
18	Room temperature synthesis of PbS nanocrystals with different morphologies in PEOBPOBEO triblock copolymers. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2003</b> , 100, 314-317	3.1	4
17	Copper vacancy activated plasmonic Cu <sub>3</sub> SnS <sub>4</sub> for highly efficient photocatalytic hydrogen generation: Broad solar absorption, efficient charge separation and decreased HER overpotential. <i>Nano Research</i> , <b>2021</b> , 14, 3358-3364	10	4
16	Oriented-aggregation of organic organization: Morphology-controllable synthesis, surface photovoltage spectroscopy and morphology-dependent optical property. <i>Solid State Sciences</i> , <b>2010</b> , 12, 1314-1322	3.4	3
15	Photophysical properties of poly(N-vinylcarbazole) in the meso-channels of zeolite MCM-41. <i>Journal of Materials Science Letters</i> , <b>2002</b> , 21, 1817-1818		3
14	Light absorption, photocarrier dynamic properties of hierarchical SnS <sub>2</sub> microspheres and their performances on photodegradation of high concentration Rhodamine B. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2021</b> , 415, 113320	4.7	3
13	A highly efficient nano-graphite electron transport layer for high performance ZnO/Si solar cells. <i>Sustainable Energy and Fuels</i> , <b>2018</b> , 2, 820-826	5.8	2
12	Aqueous route to prepare large-scale array of highly ordered polystyrene/aluminum hydroxide microspheres. <i>Journal of Solid State Chemistry</i> , <b>2004</b> , 177, 3603-3609	3.3	2

11	A new chemical route to prepare nanocrystalline cobalt monoarsenide. <i>Materials Research Bulletin</i> , <b>1999</b> , 34, 1129-1133	5.1	2
10	Porous urchin-like 3D Co(II)Co(III) layered double hydroxides for high performance heterogeneous Fenton degradation. <i>CrystEngComm</i> , <b>2021</b> , 23, 1234-1242	3.3	2
9	Artificial cathode solid electrolyte interphase to endow highly stable lithium storage of FeF <sub>2</sub> nanocrystals. <i>Science China Materials</i> , <b>2021</b> , 14, 1-10	7.1	2
8	Cube-in-Cube Hollow Cu <sub>9</sub> S <sub>5</sub> Nanostructures with Enhanced Photocatalytic Activities in Solar H <sub>2</sub> Evolution. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 13413-13413	4.8	1
7	Low cost, robust, environmentally friendly, wood supported 3D-hierarchical CuSnS for efficient solar powered steam generation.. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 615, 707-715	9.3	1
6	Metal Oxide Nanocrystals and Their Properties for Application in Solar Cells <b>2014</b> , 671-707		1
5	Bioinspired Activation of N <sub>2</sub> on Asymmetrical Coordinated Fe Grafted 1T MoS <sub>2</sub> at Room Temperature <i>Chinese Journal of Chemistry</i> , <b>2021</b> , 39, 1898-1904	4.9	1
4	A sol-hydrothermal route to truncated tetragonal bipyramid nanocrystals and hierarchical hollow microspheres of anatase TiO <sub>2</sub> for application in dye-sensitized solar cells. <i>RSC Advances</i> , <b>2016</b> , 6, 69798-69806	2.7	1
3	Interlocked 3D active carbon fibers and monolithic I-doped Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> structure built by 2D face-to-face interaction: endowed with cycling stability and photocatalytic activity. <i>CrystEngComm</i> , <b>2021</b> , 23, 3204-3211	3.3	1
2	Morphology genetic 3D hierarchical SnO <sub>2</sub> microstructures constructed by sub 5 nm nanocrystals for highly sensitive ethanol-sensor. <i>Nanotechnology</i> , <b>2021</b> , 32, 1-10	3.4	1
1	Flow Electrochemistry Enables Microbial Atmospheric CO <sub>2</sub> Fixation via Coupling with Iodine-Mediated Organic Reactions. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2022</b> , 10, 541-551	8.3	1