

Xuefeng Qian

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/6319226/xuefeng-qian-publications-by-year.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

226
papers

10,087
citations

57
h-index

88
g-index

236
ext. papers

10,947
ext. citations

6.2
avg, IF

6.19
L-index

#	Paper	IF	Citations
226	Low cost, robust, environmentally friendly, wood supported 3D-hierarchical CuSnS for efficient solar powered steam generation.. <i>Journal of Colloid and Interface Science</i> , 2022 , 615, 707-715	9.3	1
225	Flow Electrochemistry Enables Microbial Atmospheric CO ₂ Fixation via Coupling with Iodine-Mediated Organic Reactions. <i>ACS Sustainable Chemistry and Engineering</i> , 2022 , 10, 541-551	8.3	1
224	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 & Interfaces</i> , 2021 , 13, 48872-48880	9.5	5
223	Bioinspired Activation of N ₂ on Asymmetrical Coordinated Fe Grafted 1T MoS ₂ at Room Temperature <i>Chinese Journal of Chemistry</i> , 2021 , 39, 1898-1904	4.9	1
222	Copper vacancy activated plasmonic Cu ₃ SnS ₄ for highly efficient photocatalytic hydrogen generation: Broad solar absorption, efficient charge separation and decreased HER overpotential. <i>Nano Research</i> , 2021 , 14, 3358-3364	10	4
221	Light absorption, photocarrier dynamic properties of hierarchical SnS ₂ microspheres and their performances on photodegradation of high concentration Rhodamine B. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021 , 415, 113320	4.7	3
220	High power and stable P-doped yolk-shell structured Si@C anode simultaneously enhancing conductivity and Li ⁺ diffusion kinetics. <i>Nano Research</i> , 2021 , 14, 1004-1011	10	20
219	Porous urchin-like 3D Co(II)Co(III) layered double hydroxides for high performance heterogeneous Fenton degradation. <i>CrystEngComm</i> , 2021 , 23, 1234-1242	3.3	2
218	Interlocked 3D active carbon fibers and monolithic I-doped Bi ₂ O ₂ CO ₃ structure built by 2D face-to-face interaction: endowed with cycling stability and photocatalytic activity. <i>CrystEngComm</i> , 2021 , 23, 3204-3211	3.3	1
217	Morphology genetic 3D hierarchical SnO ₂ microstructures constructed by sub 5 nm nanocrystals for highly sensitive ethanol-sensor. <i>Nanotechnology</i> , 2021 , 32,	3.4	1
216	Chemical Coupled PEDOT:PSS/Si Electrode: Suppressed Electrolyte Consumption Enables Long-Term Stability. <i>Nano-Micro Letters</i> , 2021 , 13, 54	19.5	10
215	Sandwiched Cu ₇ S ₄ @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> , 2020 , 250, 123143	4.4	6
214	Cu ₂ CoGeS ₄ nanocrystals for high performance aqueous polysulfide/iodide redox flow batteries: enhanced selectively towards the electrocatalytic conversion of polysulfides. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 2892-2899	5.8	7
213	A Facile Synthesis of Urchin-Like ZnMn ₂ O ₄ Architectures with Enhanced Electrochemical Lithium Storage. <i>ChemistrySelect</i> , 2020 , 5, 1491-1495	1.8	4
212	Fe doping promoted electrocatalytic N ₂ reduction reaction of 2H MoS ₂ . <i>Chinese Chemical Letters</i> , 2020 , 31, 2487-2490	8.1	21
211	Glycerol-crosslinked PEDOT:PSS as bifunctional binder for Si anodes: Improved interfacial compatibility and conductivity. <i>Journal of Colloid and Interface Science</i> , 2020 , 565, 270-277	9.3	22
210	Ion-Cross-Linking-Promoted High-Performance Si/PEDOT:PSS Electrodes: The Importance of Cationic Potential and Softness Parameters. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 19431-19438	9.5	10

209	Well-defined CoSe@MoSe hollow heterostructured nanocubes with enhanced dissociation kinetics for overall water splitting. <i>Nanoscale</i> , 2020 , 12, 326-335	7.7	36
208	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> , 2020 , 265, 118594	21.8	34
207	Nanoscale control of grain boundary potential barrier, dopant density and filled trap state density for higher efficiency perovskite solar cells. <i>Information Materials</i> , 2020 , 2, 409-423	23.1	16
206	Self-Supported NaTi(PO) Nanorod Arrays: Balancing Na and Electron Kinetics via Optimized Carbon Coating for High-Power Sodium-Ion Capacitor. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 50388-50396	8.5	8
205	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> , 2019 , 7, 3618-3623	13	16
204	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> , 2019 , 58, 11903-11909	16.4	163
203	Utilizing the Space-Charge Region of the FeNi-LDH/CoP p-n Junction to Promote Performance in Oxygen Evolution Electrocatalysis. <i>Angewandte Chemie</i> , 2019 , 131, 12029-12035	3.6	13
202	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> , 2019 , 3, 2361-2365	5.8	4
201	Multi-functional NiS ₂ /FeS ₂ /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> , 2019 , 436, 226857	8.9	19
200	Highly active nanostructured CoS/CoS heterojunction electrocatalysts for aqueous polysulfide/iodide redox flow batteries. <i>Nature Communications</i> , 2019 , 10, 3367	17.4	106
199	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> , 2019 , 48, 833-838	4.3	6
198	Colloid synthesis of CuFeSe ₂ nanocubes as efficient electrocatalysts for dye-sensitized solar cells. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 834, 26-32	4.1	10
197	Photovoltaic Counter Electrodes: An Alternative Approach to Extend Light Absorption Spectra and Enhance Performance of Dye-Sensitized Solar Cells. <i>ChemPlusChem</i> , 2019 , 84, 241-246	2.8	5
196	FeC nanoparticles encapsulated in highly crystalline porous graphite: salt-template synthesis and enhanced electrocatalytic oxygen evolution activity and stability. <i>Chemical Communications</i> , 2018 , 54, 3158-3161	5.8	30
195	Encapsulating CoS-CoSe heterostructured nanocrystals in N-doped carbon nanocubes as highly efficient counter electrodes for dye-sensitized solar cells. <i>Dalton Transactions</i> , 2018 , 47, 5236-5244	4.3	26
194	Prussian blue-derived synthesis of uniform nanoflakes-assembled NiS hierarchical microspheres as highly efficient electrocatalysts in dye-sensitized solar cells.. <i>RSC Advances</i> , 2018 , 8, 5992-6000	3.7	16
193	Boron-doped porous Si anode materials with high initial coulombic efficiency and long cycling stability. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 3022-3027	13	81
192	A highly efficient nano-graphite electron transport layer for high performance ZnO/Si solar cells. <i>Sustainable Energy and Fuels</i> , 2018 , 2, 820-826	5.8	2

191	Si@SiO _x /Graphene Nanosheets Composite: Ball Milling Synthesis and Enhanced Lithium Storage Performance. <i>Frontiers in Materials</i> , 2018 , 4,	4	13
190	Fe _{1-x} Co _x S ₂ Solid Solutions with Tunable Energy Structures to Enhance the Performance of Triiodide Reduction in Dye-Sensitized Solar Cells. <i>ChemNanoMat</i> , 2018 , 4, 1043-1047	3.5	8
189	C-C Coupling Reactions in Water Catalyzed by Palladium. <i>Chinese Journal of Organic Chemistry</i> , 2018 , 38, 432	3	5
188	Co stabilized metallic 1Td MoS ₂ monolayers: Bottom-up synthesis and enhanced capacitance with ultra-long cycling stability. <i>Materials Today Energy</i> , 2018 , 7, 10-17	7	21
187	Incorporation of Co into MoS ₂ /graphene nanocomposites: One effective way to enhance the cycling stability of Li/Na storage. <i>Journal of Power Sources</i> , 2018 , 373, 103-109	8.9	47
186	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> , 2018 , 6, 21098-21103	13	42
185	3D Hierarchical Co-Al Layered Double Hydroxides with Long-Term Stabilities and High Rate Performances in Supercapacitors. <i>Nano-Micro Letters</i> , 2017 , 9, 21	19.5	43
184	Formation of NiFeO/Expanded Graphite Nanocomposites with Superior Lithium Storage Properties. <i>Nano-Micro Letters</i> , 2017 , 9, 34	19.5	31
183	Improving the catalytic performance of Ni ₃ S ₄ -PtCo heteronanorods via Mott-Schottky effect toward the reduction of iodine couples in dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2017 , 241, 89-97	6.7	38
182	Design and synthesis of the composites of multiporous NiMnO ₃ 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> , 2017 , 716, 270-277	5.7	11
181	AlO coated metal sulfides: one-pot synthesis and enhanced lithium storage stability via localized in situ conversion reactions. <i>Dalton Transactions</i> , 2017 , 46, 1260-1265	4.3	4
180	Honeycomb-like metallic nickel selenide nanosheet arrays as binder-free electrodes for high-performance hybrid asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 22527-22535	13	94
179	Activation of Passive Nanofillers in Composite Polymer Electrolyte for Higher Performance Lithium-Ion Batteries. <i>Advanced Sustainable Systems</i> , 2017 , 1, 1700043	5.9	20
178	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> , 2017 , 5, 299-304	7	17
177	Synergistically Enhanced Electrochemical Performance of NiS-PtX (X = Fe, Ni) Heteronanorods as Heterogeneous Catalysts in Dye-Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 27607-27617	9.5	26
176	Rice husk-derived hybrid lithium-ion capacitors with ultra-high energy. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 24502-24507	13	44
175	A hierarchical CoFeS/reduced graphene oxide composite for highly efficient counter electrodes in dye-sensitized solar cells. <i>Dalton Transactions</i> , 2017 , 46, 9511-9516	4.3	35
174	Rose-like I-doped BiOCO microspheres with enhanced visible light response: DFT calculation, synthesis and photocatalytic performance. <i>Journal of Hazardous Materials</i> , 2017 , 321, 464-472	12.8	62

173	Colloidal synthesis of wurtz-stannite Cu ₂ CdGeS ₄ nanocrystals with high catalytic activity toward iodine redox couples in dye-sensitized solar cells. <i>Chemical Communications</i> , 2016 , 52, 10866-9	5.8	19
172	Regeneration of Metal Sulfides in the Delithiation Process: The Key to Cyclic Stability. <i>Advanced Energy Materials</i> , 2016 , 6, 1601056	21.8	83
171	Na ₂ Ge ₄ O ₉ 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> , 2016 , 4, 10552-10557	13	34
170	Hierarchical Cu ₂ 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> , 2016 , 4, 4790-4796	13	16
169	Crystallization of a perovskite film for higher performance solar cells by controlling water concentration in methyl ammonium iodide precursor solution. <i>Nanoscale</i> , 2016 , 8, 2693-703	7.7	81
168	Incorporation of plasmonic Au nanostars into photoanodes for high efficiency dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 545-551	13	41
167	Atomically thin layered NiFe double hydroxides assembled 3D microspheres with promoted electrochemical performances. <i>Journal of Power Sources</i> , 2016 , 325, 675-681	8.9	42
166	Facile Synthesis of Porous Zn-Sn-O Nanocubes and Their Electrochemical Performances. <i>Nano-Micro Letters</i> , 2016 , 8, 174-181	19.5	20
165	Silica Wastes to High-Performance Lithium Storage Materials: A Rational Designed Al ₂ O ₃ Coating Assisted Magnesiothermic Process. <i>Small</i> , 2016 , 12, 5281-5287	11	43
164	A sol-hydrothermal route to truncated tetragonal bipyramid nanocrystals and hierarchical hollow microspheres of anatase TiO ₂ for application in dye-sensitized solar cells. <i>RSC Advances</i> , 2016 , 6, 69798-69806 ¹	2.7	1
163	Homogenously hexagonal prismatic AgBiS ₂ nanocrystals: controlled synthesis and application in quantum dot-sensitized solar cells. <i>CrystEngComm</i> , 2015 , 17, 1902-1905	3.3	31
162	Dye-Sensitized Solar Cells Based on Porous Hollow Tin Oxide Nanofibers. <i>IEEE Transactions on Electron Devices</i> , 2015 , 62, 2027-2032	2.9	23
161	3D hierarchical FeSe ₂ microspheres: Controlled synthesis and applications in dye-sensitized solar cells. <i>Nano Energy</i> , 2015 , 15, 205-215	17.1	122
160	The role of Mott-Schottky heterojunctions in PtCo-Cu ₂ ZnGeS ₄ as counter electrodes in dye-sensitized solar cells. <i>Chemical Communications</i> , 2015 , 51, 8950-3	5.8	39
159	N-type hedgehog-like CuBi ₂ O ₄ hierarchical microspheres: room temperature synthesis and their photoelectrochemical properties. <i>CrystEngComm</i> , 2015 , 17, 4019-4025	3.3	35
158	Water Soluble CuInSe ₂ Nanoplates: Controlled Synthesis, Photoelectric Response and Electrocatalytic Reduction of Polysulfides. <i>ChemNanoMat</i> , 2015 , 1, 52-57	3.5	5
157	One-pot synthesis of CoNiO ₂ single-crystalline nanoparticles as high-performance electrode materials of asymmetric supercapacitors. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2.3	17
156	Efficient Ag ₈ GeS ₆ counter electrode prepared from nanocrystal ink for dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 20359-20365	13	25

155	Hierarchical Cu ₇ S ₄ nanotubes assembled by hexagonal nanoplates with high catalytic performance for quantum dot-sensitized solar cells. <i>Journal of Power Sources</i> , 2015 , 299, 212-220	8.9	29
154	Interfacial Study To Suppress Charge Carrier Recombination for High Efficiency Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 26445-54	9.5	77
153	Three dimensional metal oxides/graphene composites and their applications in lithium ion batteries. <i>RSC Advances</i> , 2015 , 5, 8814-8834	3.7	51
152	Black lead molybdate nanoparticles: Facile synthesis and photocatalytic properties responding to visible light. <i>Applied Surface Science</i> , 2015 , 328, 428-435	6.7	24
151	Electrospun carbon nanofibers with surface-attached platinum nanoparticles as cost-effective and efficient counter electrode for dye-sensitized solar cells. <i>Nano Energy</i> , 2015 , 11, 550-556	17.1	81
150	One-step synthesis and graphene-modification to achieve nickel phosphide nanoparticles with electrochemical properties suitable for supercapacitors. <i>Materials Research Bulletin</i> , 2015 , 61, 333-339	5.1	52
149	Efficient Counter Electrode Manufactured from Ag ₂ S Nanocrystal Ink for Dye-Sensitized Solar Cells. <i>Chemistry - A European Journal</i> , 2015 , 21, 15153-7	4.8	32
148	Rationally designed n-n heterojunction with highly efficient solar hydrogen evolution. <i>ChemSusChem</i> , 2015 , 8, 1218-25	8.3	76
147	Rational design and fabrication of skeletal Cu ₇ S ₄ nanocages for efficient counter electrode in quantum dot-sensitized solar cells. <i>Nano Energy</i> , 2015 , 12, 186-196	17.1	46
146	Ultrathin FeSe ₂ nanosheets: controlled synthesis and application as a heterogeneous catalyst in dye-sensitized solar cells. <i>Chemistry - A European Journal</i> , 2015 , 21, 4085-91	4.8	94
145	The role of Mott-Schottky heterojunctions in Ag-Ag ₈ SnS ₆ as counter electrodes in dye-sensitized solar cells. <i>ChemSusChem</i> , 2015 , 8, 817-20	8.3	54
144	Polydopamine functionalized graphene/NiFe ₂ O ₄ nanocomposite with improving Li storage performances. <i>Nano Energy</i> , 2014 , 6, 51-58	17.1	85
143	CoFeO-Graphene Nanocomposites Synthesized through An Ultrasonic Method with Enhanced Performances as Anode Materials for Li-ion Batteries. <i>Nano-Micro Letters</i> , 2014 , 6, 307-315	19.5	65
142	AgIn _x Ga _{1-x} S ₂ solid solution nanocrystals: synthesis, band gap tuning and photocatalytic activity. <i>CrystEngComm</i> , 2014 , 16, 10123-10130	3.3	16
141	Facile synthesis and superior electrochemical performances of CoNi ₂ S ₄ /graphene nanocomposite suitable for supercapacitor electrodes. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 9613-9619	13	215
140	Highly efficient Ag ₂ O/Bi ₂ O ₃ -n heterojunction photocatalysts with improved visible-light responsive activity. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 11698-705	9.5	224
139	Novel Bi ₂ S ₃ /Bi ₂ O ₂ CO ₃ heterojunction photocatalysts with enhanced visible light responsive activity and wastewater treatment. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 4208	13	189
138	SnO ₂ /C composites fabricated by a biotemplating method from cotton and their electrochemical performances. <i>CrystEngComm</i> , 2014 , 16, 3318-3322	3.3	24

137	TiO ₂ coated urchin-like SnO ₂ microspheres for efficient dye-sensitized solar cells. <i>Nano Research</i> , 2014 , 7, 1154-1163	10	63
136	One-step synthesis of CoNi ₂ S ₄ nanoparticles for supercapacitor electrodes. <i>RSC Advances</i> , 2014 , 4, 6998-7	3.7	113
135	Cube-in-Cube Hollow Cu ₉ S ₅ Nanostructures with Enhanced Photocatalytic Activities in Solar H ₂ Evolution. <i>Chemistry - A European Journal</i> , 2014 , 20, 13413-13413	4.8	1
134	Cube-in-cube hollow Cu ₉ S ₅ nanostructures with enhanced photocatalytic activities in solar H ₂ evolution. <i>Chemistry - A European Journal</i> , 2014 , 20, 13576-82	4.8	14
133	Metal Oxide Nanocrystals and Their Properties for Application in Solar Cells 2014 , 671-707		1
132	ZrO ₂ /Dy ₂ O ₃ Solid Solution Nano-Materials: Tunable Composition, Visible light Responsive Photocatalytic Activities and Reaction Mechanism. <i>Journal of the American Ceramic Society</i> , 2013 , 96, 2979-2986	3.8	8
131	Nearly monodispersed In(OH) ₃ hierarchical nanospheres and nanocubes: tunable ligand-assisted synthesis and their conversion into hierarchical In ₂ O ₃ for gas sensing. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 735-745	13	71
130	Synthesis of Ni-doped NiO/RGONS nanocomposites with enhanced rate capabilities as anode materials for Li ion batteries. <i>CrystEngComm</i> , 2013 , 15, 6663	3.3	31
129	Direct growth of SnO ₂ nanorods on graphene as high capacity anode materials for lithium ion batteries. <i>RSC Advances</i> , 2013 , 3, 20573	3.7	32
128	RE/ZrO ₂ (RE=Sm, Eu) composite oxide nano-materials: Synthesis and applications in photocatalysis. <i>Materials Research Bulletin</i> , 2013 , 48, 3735-3742	5.1	21
127	The fabrication of hollow cubic-like CuInS ₂ cages using Cu ₂ O crystals as sacrificing template. <i>Materials Chemistry and Physics</i> , 2013 , 143, 15-18	4.4	9
126	Photocatalytic studies of HoZrO ₄ nano-composite with controllable composition and defects. <i>Materials Characterization</i> , 2013 , 83, 178-186	3.9	11
125	MnFe ₂ O ₄ -graphene nanocomposites with enhanced performances as anode materials for Li-ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 3939-45	3.6	110
124	3D-hierarchical Cu ₃ SnS ₄ flowerlike microspheres: controlled synthesis, formation mechanism and photocatalytic activity for H ₂ evolution from water. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 4316	13	75
123	Co ₃ O ₄ nanorods/graphene nanosheets nanocomposites for lithium ion batteries with improved reversible capacity and cycle stability. <i>Journal of Power Sources</i> , 2012 , 202, 230-235	8.9	147
122	Band gap-tunable (CuIn) _x Zn ₂ (1-x)S ₂ solid solutions: preparation and efficient photocatalytic hydrogen production from water under visible light without noble metals. <i>Journal of Materials Chemistry</i> , 2012 , 22, 23929		54
121	3D-hierarchical NiO/graphene nanosheet composites as anodes for lithium ion batteries with improved reversible capacity and cycle stability. <i>RSC Advances</i> , 2012 , 2, 3410	3.7	72
120	Zn _x Ga ₂ O _{3+x} (0 ≤ x ≤ 1) solid solution nanocrystals: tunable composition and optical properties. <i>Journal of Materials Chemistry</i> , 2012 , 22, 653-659		31

119	3D-hierarchical SnS ₂ micro/nano-structures: controlled synthesis, formation mechanism and lithium ion storage performances. <i>CrystEngComm</i> , 2012 , 14, 1364-1375	3.3	92
118	Magnetite modified graphene nanosheets with improved rate performance and cyclic stability for Li ion battery anodes. <i>RSC Advances</i> , 2012 , 2, 4397	3.7	18
117	3D hierarchical ZnIn ₂ S ₄ : The preparation and photocatalytic properties on water splitting. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 16986-16993	6.7	83
116	Hexagonal tin disulfide nanoplatelets: A new photocatalyst driven by solar light. <i>CrystEngComm</i> , 2011 , 13, 2071	3.3	71
115	Hydrothermal synthesis of uniform rock salt (⊖) MnS transformation from wurtzite (⊖) MnS. <i>Materials Chemistry and Physics</i> , 2011 , 125, 698-703	4.4	26
114	Controlled synthesis of monodispersed AgGaS ₂ 3D nanoflowers and the shape evolution from nanoflowers to colloids. <i>Journal of Solid State Chemistry</i> , 2011 , 184, 1227-1235	3.3	8
113	Hierarchical Bi ₂ O ₂ CO ₃ microspheres with improved visible-light-driven photocatalytic activity. <i>CrystEngComm</i> , 2011 , 13, 4010	3.3	155
112	High stability and superior rate capability of three-dimensional hierarchical SnS ₂ microspheres as anode material in lithium ion batteries. <i>Journal of Power Sources</i> , 2011 , 196, 3650-3654	8.9	154
111	Control of the morphology and composition of yttrium fluoride via a salt-assisted hydrothermal method. <i>CrystEngComm</i> , 2010 , 12, 199-206	3.3	42
110	Controlled synthesis of hierarchical Bi ₂ WO ₆ microspheres with improved visible-light-driven photocatalytic activity. <i>CrystEngComm</i> , 2010 , 12, 2100	3.3	92
109	Oriented-aggregation of organic organization: Morphology-controllable synthesis, surface photovoltage spectroscopy and morphology-dependent optical property. <i>Solid State Sciences</i> , 2010 , 12, 1314-1322	3.4	3
108	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> , 2010 , 183, 1632-1639	3.3	55
107	Controlled synthesis of light rare earth phosphate nanowires via a simple solution route. <i>Materials Chemistry and Physics</i> , 2009 , 114, 479-484	4.4	26
106	Solvothermal synthesis, electrochemical and photocatalytic properties of monodispersed CeO ₂ nanocubes. <i>Materials Chemistry and Physics</i> , 2009 , 115, 835-840	4.4	58
105	Controllable synthesis of hierarchical nanostructures of CaWO ₄ and SrWO ₄ via a facile low-temperature route. <i>Materials Research Bulletin</i> , 2009 , 44, 45-50	5.1	35
104	Self-assembled heavy lanthanide orthovanadate architecture with controlled dimensionality and morphology. <i>Chemistry - A European Journal</i> , 2009 , 15, 1233-40	4.8	84
103	Self-assembly behavior of hepta(3,3,3-trifluoropropyl) polyhedral oligomeric silsesquioxane-capped poly(ϵ -caprolactone) in epoxy resin: Nanostructures and surface properties. <i>Polymer</i> , 2009 , 50, 685-695	3.9	54
102	Controlled synthesis of light rare-earth hydroxide nanorods via a simple solution route. <i>Journal of Physics and Chemistry of Solids</i> , 2009 , 70, 688-693	3.9	37

101	Engineering of Nanotips in ZnO Submicrorods and Patterned Arrays. <i>Crystal Growth and Design</i> , 2009 , 9, 797-802	3.5	16
100	Size and morphology-controlled Ni ₂ [Fe(CN) ₆]·xH ₂ O Prussian Blue analogue fabricated via a hydrothermal route. <i>Materials Research Bulletin</i> , 2008 , 43, 135-140	5.1	6
99	Necklace-like nanostructures of cadmium hydroxide: Controlled synthesis with bubble-template and its separation property on dye. <i>Solid State Sciences</i> , 2008 , 10, 1577-1583	3.4	16
98	Ultrathin ZnS Nanobelts: Shape-Controlled Synthesis and Optical and Photocatalytic Properties. <i>Crystal Growth and Design</i> , 2008 , 8, 2130-2136	3.5	94
97	Symmetrical Six-horn Nickel Diselenide Nanostars Growth from Oriented Attachment Mechanism. <i>Crystal Growth and Design</i> , 2007 , 7, 2733-2737	3.5	59
96	In Situ Sacrificial Template Approach to the Synthesis of Octahedral CdS Microcages. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 1935-1940	3.8	28
95	Shape-controlled synthesis and self-assembly of hexagonal covellite (CuS) nanoplatelets. <i>Chemistry - A European Journal</i> , 2007 , 13, 3241-7	4.8	141
94	Shape- and phase-controlled synthesis of monodisperse, single-crystalline ternary chalcogenide colloids through a convenient solution synthesis strategy. <i>Chemistry - A European Journal</i> , 2007 , 13, 8840-6	4.8	95
93	Novel growth of ZnO micro-rod arrays using hydrophobically micropatterned surfaces. <i>Materials Science in Semiconductor Processing</i> , 2007 , 10, 68-76	4.3	13
92	Fabrication of single-crystal ZnO nanorods and ZnS nanotubes through a simple ultrasonic chemical solution method. <i>Materials Letters</i> , 2007 , 61, 3639-3643	3.3	27
91	Synthesis of 3-D Hierarchical Dendrites of Lead Chalcogenides in Large Scale via Microwave-Assistant Method. <i>Crystal Growth and Design</i> , 2007 , 7, 425-429	3.5	67
90	Core-Shell and Hollow Microspheres Composed of Tin Oxide Nanocrystals as Anode Materials for Lithium-Ion Batteries. <i>Electrochemical and Solid-State Letters</i> , 2007 , 10, K33		29
89	The drug delivery system of MCM-41 materials via co-condensation synthesis. <i>Materials Chemistry and Physics</i> , 2006 , 97, 437-441	4.4	62
88	ZnO clusters in situ generated inside mesoporous silica. <i>Materials Research Bulletin</i> , 2006 , 41, 1155-1159	5.1	20
87	Critical line of an n-component cubic model. <i>Physical Review E</i> , 2006 , 73, 026104	2.4	7
86	Novel shape evolution of BaMoO ₄ microcrystals. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 19295-9	3.4	41
85	Conversion of Cu ₂ O nanocrystals into hollow Cu ₂ -xSe nanocages with the preservation of morphologies. <i>Chemical Communications</i> , 2006 , 4548-50	5.8	73
84	Large-Scale Fabrication of Novel Hierarchical 3D CaMoO ₄ and SrMoO ₄ Mesocrystals via a Microemulsion-Mediated Route. <i>Crystal Growth and Design</i> , 2006 , 6, 1821-1825	3.5	148

83	Shape- and size-controlled synthesis of nanometre ZnO from a simple solution route at room temperature. <i>Nanotechnology</i> , 2006 , 17, 3632-3636	3.4	126
82	Synthesis of single crystal CdMoO ₄ octahedral microparticles via microemulsion-mediated route. <i>Journal of Colloid and Interface Science</i> , 2006 , 304, 408-12	9.3	35
81	High symmetric 18-facet polyhedron nanocrystals of Cu ₇ S ₄ with a hollow nanocage. <i>Journal of the American Chemical Society</i> , 2005 , 127, 16024-5	16.4	225
80	Preparation of rod-shape PbSO ₄ nanocrystal and its phase transition to PbS. <i>Materials Letters</i> , 2005 , 59, 3507-3513	3.3	10
79	Selective electroless deposition of copper on polyimide surface by microcontact printing. <i>Applied Surface Science</i> , 2005 , 241, 471-476	6.7	28
78	Large-scale synthesis of tube-like ZnS and cable-like ZnS/ZnO arrays: Preparation through the sulfuration conversion from ZnO arrays via a simple chemical solution route. <i>Journal of Solid State Chemistry</i> , 2005 , 178, 1589-1594	3.3	25
77	Gold tubes membrane with novel morphology replicated from ZnO template. <i>Journal of Solid State Chemistry</i> , 2005 , 178, 1765-1772	3.3	10
76	The synthesis of ZnS hollow nanospheres with nanoporous shell. <i>Journal of Solid State Chemistry</i> , 2005 , 178, 3522-3528	3.3	71
75	A simple method for selective immobilization of silver nanoparticles. <i>Applied Surface Science</i> , 2005 , 250, 109-116	6.7	42
74	Organic modified mesoporous MCM-41 through solvothermal process as drug delivery system. <i>Materials Research Bulletin</i> , 2005 , 40, 766-772	5.1	127
73	Controlled morphology synthesis of FeOOH and the phase transition to Fe ₂ O ₃ . <i>Journal of Solid State Chemistry</i> , 2005 , 178, 3130-3136	3.3	49
72	Percolation in one of q colors near criticality. <i>Physical Review B</i> , 2005 , 71,	3.3	9
71	Simulation algorithms for the random-cluster model. <i>Physical Review E</i> , 2005 , 71, 016709	2.4	9
70	Dilute Potts model in two dimensions. <i>Physical Review E</i> , 2005 , 72, 056132	2.4	31
69	Critical frontier of the triangular Ising antiferromagnet in a field. <i>Physical Review E</i> , 2004 , 69, 036127	2.4	20
68	Synthesis of novel mesoporous silica spheres with starburst pore canal structure. <i>Journal of Solid State Chemistry</i> , 2004 , 177, 844-848	3.3	16
67	Aqueous route to prepare large-scale array of highly ordered polystyrene/aluminum hydroxide microspheres. <i>Journal of Solid State Chemistry</i> , 2004 , 177, 3603-3609	3.3	2
66	A new technique for preparing macroporous inorganic composite material. <i>Journal of Solid State Chemistry</i> , 2004 , 177, 3675-3681	3.3	4

65	Selective synthesis of CdWO ₄ short nanorods and nanofibers and their self-assembly. <i>Journal of Solid State Chemistry</i> , 2004 , 177, 4588-4596	3.3	42
64	Aqueous solution fabrication of large-scale arrayed obelisk-like zinc oxide nanorods with high efficiency. <i>Journal of Solid State Chemistry</i> , 2004 , 177, 2144-2149	3.3	67
63	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> , 2004 , 177, 4386-4393	2.2	21
62	Solution-phase synthesis of Ag ₂ S hollow and concave nanocubes. <i>Inorganic Chemistry Communication</i> , 2004 , 7, 359-362	3.1	12
61	Preparation of surface bound silver nanoparticles on polyimide by surface modification method and its application on electroless metal deposition. <i>Applied Surface Science</i> , 2004 , 233, 299-306	6.7	53
60	Large-Scale Fabrication of Tower-like, Flower-like, and Tube-like ZnO Arrays by a Simple Chemical Solution Route. <i>Langmuir</i> , 2004 , 20, 3441-3448	4	427
59	Preparation of polystyrene core/mesoporous silica nanoparticles shell composite. <i>Materials Letters</i> , 2004 , 58, 222-225	3.3	10
58	Preparation of PS/TiO ₂ core-shell microspheres and TiO ₂ hollow shells. <i>Journal of Materials Science</i> , 2003 , 38, 4911-4916	4.3	19
57	Novel complex-assisted photochemical route to the phase control of nanocrystalline copper selenide. <i>Journal of Materials Science Letters</i> , 2003 , 22, 1801-1803		4
56	Silver nanocrystals by hyperbranched polyurethane-assisted photochemical reduction of Ag ⁺ . <i>Materials Chemistry and Physics</i> , 2003 , 81, 104-107	4.4	119
55	Synthesis of monodispersed CdSe nanocrystals in poly(styrene-alt-maleic anhydride) at room temperature. <i>Materials Research Bulletin</i> , 2003 , 38, 1359-1366	5.1	18
54	Spectroscopic studies on conjugated polymers in mesoporous channels: influence of polymer side-chain length. <i>Journal of Physics and Chemistry of Solids</i> , 2003 , 64, 2451-2455	3.9	12
53	Formation of silver dendrites under microwave irradiation. <i>Chemical Physics Letters</i> , 2003 , 369, 454-458	2.5	98
52	Preparation of Bi ₂ S ₃ nanowhiskers and their morphologies. <i>Journal of Crystal Growth</i> , 2003 , 252, 505-510	4.6	
51	Preparation and characterization of polymer-capped CdS nanocrystals. <i>Journal of Physics and Chemistry of Solids</i> , 2003 , 64, 455-458	3.9	54
50	Synthesis of beltlike CdS nanocrystals via solvothermal route. <i>Journal of Solid State Chemistry</i> , 2003 , 172, 480-484	3.3	8
49	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> , 2003 , 98, 99-103	3.1	6
48	Preparation and luminescence properties of the PMMA/SiO ₂ /EuL ₃ D ₂ H ₂ O hybrids by a sol-gel method. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2003 , 100, 53-58	3.1	13

47	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> , 2003 , 100, 314-317	3.1	4
46	Preparation and characterization of CdSe nanocrystals via Na ₂ SO ₃ -assisted photochemical route. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2003 , 103, 202-206	3.1	37
45	A novel solid-liquid route for the preparation of Cu ₃ Se ₂ and Ag ₂ Se nanocrystals. <i>Inorganic Chemistry Communication</i> , 2003 , 6, 34-37	3.1	16
44	Preparation of polystyrene/zirconia core-shell microspheres and zirconia hollow shells. <i>Inorganic Chemistry Communication</i> , 2003 , 6, 942-945	3.1	38
43	Formation of monodispersed PVP-capped ZnS and CdS nanocrystals under microwave irradiation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003 , 220, 151-157	5.1	93
42	Molecular orbital confinement effect of mesoporous silica of MCM-41 on conjugated polymer. <i>Synthetic Metals</i> , 2003 , 139, 187-190	3.6	18
41	In situ synthesis of CdS/PVK nanocomposites and their optical properties. <i>Materials Letters</i> , 2003 , 57, 1351-1354	3.3	35
40	Photoluminescence of ZnS/PVK nanocomposites confined in ethylenediamine modified MCM-41. <i>Materials Letters</i> , 2003 , 57, 2657-2661	3.3	8
39	Preparation of ZnS/PS microspheres and ZnS hollow shells. <i>Materials Letters</i> , 2003 , 57, 3859-3863	3.3	54
38	Synthesis and luminescence property of rare earth complex nanoparticles dispersed within pores of modified mesoporous silica. <i>Materials Research Bulletin</i> , 2002 , 37, 2293-2301	5.1	32
37	Photosensitive polyimide (PSPI) materials containing inorganic nano particles (I)PSPI/TiO ₂ hybrid materials by sol-gel process. <i>Materials Chemistry and Physics</i> , 2002 , 74, 210-213	4.4	45
36	Eu ³⁺ complex/polyimide nanocomposites: Improvement in mechanical and thermal properties. <i>Journal of Applied Polymer Science</i> , 2002 , 86, 2707-2712	2.9	15
35	Preparation and characterization of polyvinyl alcohol-capped CdSe nanoparticles at room temperature. <i>Journal of Colloid and Interface Science</i> , 2002 , 252, 77-81	9.3	59
34	Synthesis and Characterization of Ag ₂ S Nanocrystals in Hyperbranched Polyurethane at Room Temperature. <i>Journal of Solid State Chemistry</i> , 2002 , 168, 259-262	3.3	30
33	Preparation and properties of rare earth oxide/polyimide hybrids. <i>Polymer Testing</i> , 2002 , 21, 841-845	4.5	14
32	Photophysical properties of poly(N-vinylcarbazole) in the meso-channels of zeolite MCM-41. <i>Journal of Materials Science Letters</i> , 2002 , 21, 1817-1818		3
31	Preparation and characterization of polyvinyl alcohol-selenide nanocomposites at room temperature. <i>Journal of Materials Chemistry</i> , 2002 , 12, 663-666		78
30	Preparation of polychrome silver nanoparticles in different solvents. <i>Journal of Materials Chemistry</i> , 2002 , 12, 3783-3786		240

29	Poly(etherimide)/montmorillonite nanocomposites prepared by melt intercalation: morphology, solvent resistance properties and thermal properties. <i>Polymer</i> , 2001 , 42, 873-877	3.9	161
28	Polymer-inorganic nanocomposites prepared by hydrothermal method: Preparation and characterization of PVA-transition-metal sulfides. <i>Journal of Applied Polymer Science</i> , 2001 , 82, 2744-2749	2.9	40
27	Preparation and properties of montmorillonite/organo-soluble polyimide hybrid materials prepared by a one-step approach. <i>Journal of Materials Science</i> , 2001 , 36, 871-877	4.3	62
26	The preparation and characterization of PVA/Ag ₂ S nanocomposite. <i>Materials Chemistry and Physics</i> , 2001 , 68, 95-97	4.4	93
25	Preparation of soluble polyimide-silver nanocomposites by a convenient ultraviolet irradiation technique. <i>Materials Chemistry and Physics</i> , 2001 , 69, 172-175	4.4	28
24	Preparation and characterization of nanocrystalline PbSe in poly(acrylic acid-co-styrene). <i>Journal of Materials Research</i> , 2001 , 16, 2922-2927	2.5	7
23	Preparation and characterization of polyvinylpyrrolidone films containing silver sulfide nanoparticles. <i>Journal of Materials Chemistry</i> , 2001 , 11, 2504-2506		92
22	Solventothermal synthesis and morphological control of nanocrystalline FeS ₂ . <i>Materials Letters</i> , 2001 , 48, 109-111	3.3	42
21	A Mild One-Step Solvothermal Route to Metal Phosphides (Metal=Co, Ni, Cu). <i>Journal of Solid State Chemistry</i> , 2000 , 149, 88-91	3.3	101
20	The synthesis and morphological control of nanocrystalline pyrite nickel disulfide and cobalt disulfide. <i>Materials Chemistry and Physics</i> , 2000 , 66, 97-99	4.4	39
19	MnO ₂ /polyimide hybrid materials prepared with a convenient ultraviolet irradiation technique. <i>Materials Research Bulletin</i> , 2000 , 35, 2309-2315	5.1	11
18	Polymer-inorganic nanocomposites prepared by hydrothermal method: PVA/ZnS, PVA/CdS, preparation and characterization. <i>Journal of Materials Science Letters</i> , 2000 , 19, 2235-2237		33
17	Solventothermal preparation of nanocrystalline tin chalcogenide. <i>Journal of Physics and Chemistry of Solids</i> , 1999 , 60, 415-417	3.9	15
16	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> , 1999 , 64, 170-173	3.1	25
15	A low temperature route to nanocrystalline Co ₉ S ₈ . <i>Journal of Physics and Chemistry of Solids</i> , 1999 , 60, 2005-2008	3.9	11
14	Benzene-thermal preparation of nanocrystalline chromium nitride. <i>Materials Research Bulletin</i> , 1999 , 34, 433-436	5.1	40
13	Synthesis of MoSe ₂ nanocrystallites by a solvothermal conversion from MoO ₃ . <i>Materials Research Bulletin</i> , 1999 , 34, 497-501	5.1	27
12	A new chemical route to prepare nanocrystalline cobalt monoarsenide. <i>Materials Research Bulletin</i> , 1999 , 34, 1129-1133	5.1	2

11	Preparation of ZnSe films through chemical solution reduction process. <i>Materials Research Bulletin</i> , 1999 , 34, 1637-1641	5.1	10
10	An aqueous approach to ZnSe and CdSe semiconductor nanocrystals. <i>Materials Chemistry and Physics</i> , 1999 , 60, 99-102	4.4	43
9	Synthesis of Nanocrystalline Iron Monoarsenide via a Reductive Recombination Pathway. <i>Journal of Solid State Chemistry</i> , 1999 , 144, 237-239	3.3	7
8	A room temperature chemical route to nanocrystalline PbS semiconductor. <i>Materials Letters</i> , 1999 , 40, 255-258	3.3	29
7	The Preparation and Phase Transformation of Nanocrystalline Cobalt Sulfides via a Toluene Thermal Process. <i>Inorganic Chemistry</i> , 1999 , 38, 2621-2623	5.1	44
6	A New Way to Prepare Nanocrystalline Dinickel Phosphide. <i>Materials Research Bulletin</i> , 1998 , 33, 669-673	3.1	23
5	Preparation of nanocrystalline nickel powders through hydrothermal-reduction method. <i>Materials Research Bulletin</i> , 1998 , 33, 1747-1751	5.1	31
4	Solvothermal Synthesis of Nanocrystalline MoS ₂ from MoO ₃ and Elemental Sulfur. <i>Journal of Solid State Chemistry</i> , 1998 , 141, 270-273	3.3	43
3	Solvent thermal preparation of nanocrystalline pyrite cobalt disulfide. <i>Journal of Alloys and Compounds</i> , 1998 , 278, 110-112	5.7	25
2	Organo-thermal preparation of nanocrystalline cobalt phosphides. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1997 , 49, 135-137	3.1	26
1	Artificial cathode solid electrolyte interphase to endow highly stable lithium storage of FeF ₂ nanocrystals. <i>Science China Materials</i> , 1	7.1	2