

Zhengquan Li

List of Publications by Year in Descending Order

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

167
papers

9,476
citations

51
h-index

94
g-index

172
ext. papers

10,672
ext. citations

6.6
avg, IF

6.49
L-index

#	Paper	IF	Citations
167	Upconversion nanoparticles coupled with hierarchical ZnInS nanorods as a near-infrared responsive photocatalyst for photocatalytic CO reduction.. <i>Journal of Colloid and Interface Science</i> , 2022 , 612, 782-797	9.3	4
166	ZnSe Nanorods-CsSnCl Perovskite Heterojunction Composite for Photocatalytic CO Reduction.. <i>ACS Nano</i> , 2022 ,	16.7	20
165	Dye-Sensitized Fe-MOF nanosheets as Visible-Light driven photocatalyst for high efficient photocatalytic CO reduction. <i>Journal of Colloid and Interface Science</i> , 2022 , 607, 1180-1188	9.3	14
164	Self-Supported Three-Dimensional Quantum Dot Aerogels as a Promising Photocatalyst for CO ₂ Reduction. <i>Chemistry of Materials</i> , 2022 , 34, 2687-2695	9.6	1
163	A heterostructure of halide and oxide double perovskites Cs ₂ AgBiBr ₆ /Sr ₂ FeNbO ₆ for boosting the charge separation toward high efficient photocatalytic CO ₂ reduction under visible-light irradiation. <i>Chemical Engineering Journal</i> , 2022 , 446, 137197	14.7	5
162	In Situ Generating CsPbBr ₃ Nanocrystals on O-defective WO ₃ as Z-scheme and NIR-responsive Heterojunctions for Photocatalytic CO ₂ Reduction.. <i>ChemSusChem</i> , 2021 ,	8.3	7
161	Activate FeS Nanorods by Ni Doping for Efficient Dye-Sensitized Photocatalytic Hydrogen Production. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 14198-14206	9.5	12
160	MOF-derived synthesis of MnS/InSp-n heterojunctions with hierarchical structures for efficient photocatalytic CO reduction. <i>Journal of Colloid and Interface Science</i> , 2021 , 588, 547-556	9.3	15
159	Surface Defect Engineering of CsPbBr ₃ Nanocrystals for High Efficient Photocatalytic CO ₂ Reduction. <i>Solar Rrl</i> , 2021 , 5, 2100154	7.1	14
158	Recent advances in metal halide perovskite photocatalysts: Properties, synthesis and applications. <i>Journal of Energy Chemistry</i> , 2021 , 54, 770-785	12	29
157	In-situ photodeposition of MoS ₂ onto CdS quantum dots for efficient photocatalytic H ₂ evolution. <i>Applied Surface Science</i> , 2021 , 539, 148234	6.7	31
156	Coupling CsPbBr Quantum Dots with Covalent Triazine Frameworks for Visible-Light-Driven CO Reduction. <i>ChemSusChem</i> , 2021 , 14, 1131-1139	8.3	20
155	Direct Z-Scheme 0D/2D Heterojunction of CsPbBr Quantum Dots/BiWO Nanosheets for Efficient Photocatalytic CO Reduction. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 31477-31485	9.5	111
154	Boosting the photocatalytic CO reduction of metal-organic frameworks by encapsulating carbon dots. <i>Nanoscale</i> , 2020 , 12, 9533-9540	7.7	34
153	Boosting Photocatalytic CO ₂ Reduction on CsPbBr ₃ Perovskite Nanocrystals by Immobilizing Metal Complexes. <i>Chemistry of Materials</i> , 2020 , 32, 1517-1525	9.6	112
152	A Task Offloading Scheme in Vehicular Fog and Cloud Computing System. <i>IEEE Access</i> , 2020 , 8, 1173-1184	3.5	18
151	Adaptively Biased OFDM for IM/DD-Aided Optical Wireless Communication Systems. <i>IEEE Wireless Communications Letters</i> , 2020 , 9, 698-701	5.9	3

150	Time-Dependent Performance Analysis of the 802.11p-Based Platooning Communications Under Disturbance. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 15760-15773	6.8	9
149	Multilevel storage and photoinduced-reset memory by an inorganic perovskite quantum-dot/polystyrene floating-gate organic transistor.. <i>RSC Advances</i> , 2020 , 10, 43225-43232	3.7	5
148	MOF-derived bimetallic Fe-Ni-P nanotubes with tunable compositions for dye-sensitized photocatalytic H ₂ and O ₂ production. <i>Chemical Engineering Journal</i> , 2020 , 384, 123354	14.7	34
147	Metal-organic frameworks-derived hollow-structured iron-cobalt bimetallic phosphide electrocatalysts for efficient oxygen evolution reaction. <i>Journal of Alloys and Compounds</i> , 2020 , 821, 153463	5.7	19
146	Immobilization of catalytic sites on quantum dots by ligand bridging for photocatalytic CO reduction. <i>Nanoscale</i> , 2020 , 12, 2507-2514	7.7	13
145	Delay-Sensitive Task Offloading in the 802.11p-Based Vehicular Fog Computing Systems. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 773-785	10.7	35
144	Quality of experience-driven resource allocation in vehicular cloud long-term evolution networks. <i>Transactions on Emerging Telecommunications Technologies</i> , 2020 , 31, e4036	1.9	6
143	Metal-organic framework composites for energy conversion and storage. <i>Journal of Semiconductors</i> , 2020 , 41, 091707	2.3	9
142	A Novel Iterative Discrete Estimation Algorithm for Low-Complexity Signal Detection in Uplink Massive MIMO Systems. <i>Electronics (Switzerland)</i> , 2019 , 8, 980	2.6	1
141	Belief Propagation Bit-Strengthening Decoder for Polar Codes. <i>IEEE Communications Letters</i> , 2019 , 23, 1958-1961	3.8	6
140	MOF-derived hollow FeOOH polyhedra anchored with Ni(OH) ₂ nanosheets as efficient electrocatalysts for oxygen evolution. <i>Electrochimica Acta</i> , 2019 , 301, 258-266	6.7	25
139	An Improved Jacobi-Based Detector for Massive MIMO Systems. <i>Information (Switzerland)</i> , 2019 , 10, 165	2.6	3
138	Analysis and Design of Functional Device for Vehicular Cloud Computing. <i>Electronics (Switzerland)</i> , 2019 , 8, 583	2.6	1
137	Boosting photocatalytic hydrogen generation of cadmium telluride colloidal quantum dots by nickel ion doping. <i>Journal of Colloid and Interface Science</i> , 2019 , 549, 63-71	9.3	11
136	Trajectory Protection Schemes Based on a Gravity Mobility Model in IoT. <i>Electronics (Switzerland)</i> , 2019 , 8, 148	2.6	7
135	Interference-Free Hybrid Optical OFDM With Low-Complexity Receiver for Wireless Optical Communications. <i>IEEE Communications Letters</i> , 2019 , 23, 818-821	3.8	7
134	Improved Metric Sorting for Successive Cancellation List Decoding of Polar Codes. <i>IEEE Communications Letters</i> , 2019 , 1-1	3.8	11
133	Fabrication of dispersive Co(OH) ₂ nanosheets on graphene nanoribbons for boosting their oxygen evolution performance. <i>Journal of Materials Science</i> , 2019 , 54, 7692-7701	4.3	10

132	Recent Advances in Glucose-Oxidase-Based Nanocomposites for Tumor Therapy. <i>Small</i> , 2019 , 15, e1903895	97
131	Shape-controlled synthesis of well-dispersed platinum nanocubes supported on graphitic carbon nitride as advanced visible-light-driven catalyst for efficient photoreduction of hexavalent chromium. <i>Journal of Colloid and Interface Science</i> , 2019 , 535, 41-49	9.3 33
130	Current progress in the controlled synthesis and biomedical applications of ultrasmall (. <i>Dalton Transactions</i> , 2018 , 47, 8538-8556	4.3 16
129	MOF-mediated synthesis of monodisperse Co(OH) ₂ flower-like nanosheets for enhanced oxygen evolution reaction. <i>Electrochimica Acta</i> , 2018 , 273, 327-334	6.7 33
128	A novel hollow-hierarchical structured BiWO ₃ with enhanced photocatalytic activity for CO photoreduction. <i>Journal of Colloid and Interface Science</i> , 2018 , 523, 151-158	9.3 69
127	Interfacial synergism of Pd-decorated BiOCl ultrathin nanosheets for the selective oxidation of aromatic alcohols. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 6344-6355	13 91
126	Hybrid cobalt-based electrocatalysts with adjustable compositions for electrochemical water splitting derived from Co ²⁺ -Loaded MIL-53(Fe) particles. <i>Electrochimica Acta</i> , 2018 , 286, 397-405	6.7 17
125	Solvothermal Synthesis of Monodisperse PtCu Dodecahedral Nanoframes with Enhanced Catalytic Activity and Durability for Hydrogen Evolution Reaction. <i>ACS Applied Energy Materials</i> , 2018 , 1, 5054-5061	6.1 26
124	Spreading CdS Nanocrystals on GdBO ₃ :Ce,Tb Substrates for Enhancing Their Photocatalytic Performance. <i>Catalysis Letters</i> , 2018 , 148, 523-530	2.8 2
123	A Swarming Approach to Optimize the One-Hop Delay in Smart Driving Inter-Platoon Communications. <i>Sensors</i> , 2018 , 18,	3.8 13
122	Facile generation of carbon quantum dots in MIL-53(Fe) particles as localized electron acceptors for enhancing their photocatalytic Cr(VI) reduction. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 3170-3177	6.8 36
121	Velocity-Adaptive V2I Fair-Access Scheme Based on IEEE 802.11 DCF for Platooning Vehicles. <i>Sensors</i> , 2018 , 18,	3.8 14
120	Performance Analysis of a Downlink Cooperative NOMA Network Over Nakagami-m Fading Channels. <i>IEEE Access</i> , 2018 , 6, 53034-53043	3.5 6
119	Enabling Visible-Light-Driven Selective CO ₂ Reduction by Doping Quantum Dots: Trapping Electrons and Suppressing H ₂ Evolution. <i>Angewandte Chemie</i> , 2018 , 130, 16685-16689	3.6 18
118	Enabling Visible-Light-Driven Selective CO Reduction by Doping Quantum Dots: Trapping Electrons and Suppressing H Evolution. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 16447-16451	16.4 153
117	A Low Complexity Precoding Algorithm Based on Parallel Conjugate Gradient for Massive MIMO Systems. <i>IEEE Access</i> , 2018 , 6, 54010-54017	3.5 4
116	Sequential coating upconversion NaYF ₃ :Yb,Tm nanocrystals with SiO ₂ and ZnO layers for NIR-driven photocatalytic and antibacterial applications. <i>Materials Science and Engineering C</i> , 2017 , 70, 1141-1148	8.3 32
115	Controlled Growth of Metal-Organic Framework on Upconversion Nanocrystals for NIR-Enhanced Photocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 2899-2905	9.5 69

114	Heterogeneous Semiconductor Shells Sequentially Coated on Upconversion Nanoplates for NIR-Light Enhanced Photocatalysis. <i>Inorganic Chemistry</i> , 2017 , 56, 2328-2336	5.1	20
113	Hydriding Pd cocatalysts: An approach to giant enhancement on photocatalytic CO ₂ reduction into CH ₄ . <i>Nano Research</i> , 2017 , 10, 3396-3406	10	72
112	Synthesis of g-C ₃ N ₄ -based NaYF ₄ :Yb,Tm@TiO ₂ ternary composite with enhanced Vis/NIR-driven photocatalytic activities. <i>Applied Surface Science</i> , 2017 , 410, 383-392	6.7	25
111	Massive MIMO Pre-Coding Algorithm Based on Improved Newton Iteration 2017 ,		2
110	A topology control algorithm based on homology theory in software-defined sensor networks 2017 ,		2
109	Anchoring NaYF ₄ :Yb,Tm upconversion nanocrystals on concave MIL-53(Fe) octahedra for NIR-light enhanced photocatalysis. <i>Inorganic Chemistry Frontiers</i> , 2017 , 4, 1757-1764	6.8	16
108	Facet-Engineered Surface and Interface Design of Photocatalytic Materials. <i>Advanced Science</i> , 2017 , 4, 1600216	13.6	223
107	Impact of adaptive carrier-sensing range on the performance of dense wireless networks 2017 ,		2
106	Embedding Metal in the Interface of a p-n Heterojunction with a Stack Design for Superior Z-Scheme Photocatalytic Hydrogen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 23133-42	9.5	170
105	Ultrathin nanosheets of palladium in boosting its cocatalyst role and plasmonic effect towards enhanced photocatalytic hydrogen evolution. <i>RSC Advances</i> , 2016 , 6, 56800-56806	3.7	18
104	Facet engineered interface design of NaYF ₄ :Yb,Tm upconversion nanocrystals on BiOCl nanoplates for enhanced near-infrared photocatalysis. <i>Nanoscale</i> , 2016 , 8, 19014-19024	7.7	42
103	Non-line-of-sight mitigation in wireless localization and tracking via semidefinite programming 2016 ,		1
102	Direct Generation of Fine Bi ₂ WO ₆ Nanocrystals on g-C ₃ N ₄ Nanosheets for Enhanced Photocatalytic Activity. <i>ChemNanoMat</i> , 2016 , 2, 732-738	3.5	22
101	Surface and interface design in cocatalysts for photocatalytic water splitting and CO ₂ reduction. <i>RSC Advances</i> , 2016 , 6, 57446-57463	3.7	147
100	A novel etching and reconstruction route to ultrathin porous TiO ₂ hollow spheres for enhanced photocatalytic hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 1627-1634	6.7	12
99	Facile synthesis of CdS/C core-shell nanospheres with ultrathin carbon layer for enhanced photocatalytic properties and stability. <i>Applied Surface Science</i> , 2016 , 362, 126-131	6.7	46
98	Depositing CdS nanoclusters on carbon-modified NaYF ₄ :Yb,Tm upconversion nanocrystals for NIR-light enhanced photocatalysis. <i>Nanoscale</i> , 2016 , 8, 553-62	7.7	78
97	In vivo Biocompatibility, Biodistribution and Therapeutic Efficiency of Titania Coated Upconversion Nanoparticles for Photodynamic Therapy of Solid Oral Cancers. <i>Theranostics</i> , 2016 , 6, 1844-65	12.1	68

96	Integration of Multiple Plasmonic and Co-Catalyst Nanostructures on TiO ₂ Nanosheets for Visible-Near-Infrared Photocatalytic Hydrogen Evolution. <i>Small</i> , 2016 , 12, 1640-8	11	111
95	Incorporation of Pd into Pt Co-Catalysts toward Enhanced Photocatalytic Water Splitting. <i>Particle and Particle Systems Characterization</i> , 2016 , 33, 506-511	3.1	22
94	Semidefinite programming based resource allocation for energy consumption minimization in software defined wireless sensor networks 2016 ,		3
93	Ag-decorated Fe ₃ O ₄ @SiO ₂ core-shell nanospheres: Seed-mediated growth preparation and their antibacterial activity during the consecutive recycling. <i>Journal of Alloys and Compounds</i> , 2016 , 676, 113-119	5.7	15
92	Glucose-assisted transformation of Ni-doped-ZnO@carbon to a Ni-doped-ZnO@void@SiO ₂ core-shell nanocomposite photocatalyst. <i>RSC Advances</i> , 2016 , 6, 38653-38661	3.7	19
91	Coating a N-doped TiO ₂ shell on dually sensitized upconversion nanocrystals to provide NIR-enhanced photocatalysts for efficient utilization of upconverted emissions. <i>Inorganic Chemistry Frontiers</i> , 2016 , 3, 1190-1197	6.8	9
90	Titania coated upconversion nanoparticles for near-infrared light triggered photodynamic therapy. <i>ACS Nano</i> , 2015 , 9, 191-205	16.7	280
89	Synthesis of vis/NIR-driven hybrid photocatalysts by electrostatic assembly of NaYF ₄ :Yb, Tm nanocrystals on g-C ₃ N ₄ nanosheets. <i>Materials Letters</i> , 2015 , 146, 87-90	3.3	25
88	Facile synthesis of Ag@SiO ₂ core-shell nanowires on large scale. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 1602-1607	2.1	1
87	Convenient synthesis of magnetically recyclable Fe ₃ O ₄ @C@CdS photocatalysts by depositing CdS nanocrystals on carbonized ferrocene. <i>Journal of Alloys and Compounds</i> , 2015 , 646, 978-982	5.7	13
86	Synthesis of Nd ³⁺ /Yb ³⁺ sensitized upconversion core-shell nanocrystals with optimized hosts and doping concentrations. <i>RSC Advances</i> , 2015 , 5, 62899-62904	3.7	12
85	Facile synthesis of Ag@TiO ₂ (B) hierarchical core-shell nanowires: facile synthesis, growth mechanism and photocatalytic and antibacterial applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 5753-5760	2.1	5
84	Synthesis of dye-loaded NaYF ₄ :Yb, Er superparticles for tunable upconversion emissions. <i>Micro and Nano Letters</i> , 2015 , 10, 144-146	0.9	2
83	Surface and Interface Engineering in Photocatalysis. <i>ChemNanoMat</i> , 2015 , 1, 223-239	3.5	101
82	Etching approach to hybrid structures of PtPd nanocages and graphene for efficient oxygen reduction reaction catalysts. <i>Nano Research</i> , 2015 , 8, 2789-2799	10	34
81	Facile Embedding of Au nanocrystals into silica spheres with controllable quantity for improved catalytic reduction of p-nitrophenol. <i>Inorganic Chemistry Frontiers</i> , 2015 , 2, 938-944	6.8	4
80	Hierarchical nanostructures of nickel-doped zinc oxide: Morphology controlled synthesis and enhanced visible-light photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2015 , 618, 318-325	5.7	37
79	A New Cubic Phase for a NaYF ₄ Host Matrix Offering High Upconversion Luminescence Efficiency. <i>Advanced Materials</i> , 2015 , 27, 5528-33	24	80

78	Simultaneous formation of silica-protected and N-doped TiO ₂ hollow spheres using organic/inorganic silica as self-removed templates. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 2234-2241	13	25
77	Self-assembly of LaF ₃ :Yb,Er/Tm nanoplates into colloidal spheres and tailoring their upconversion emissions with fluorescent dyes. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 8949-8955	7.1	13
76	Photoactivation of core-shell titania coated upconversion nanoparticles and their effect on cell death. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 7017-7026	7.3	65
75	Synthesis of small yolk-shell Fe ₃ O ₄ @TiO ₂ nanoparticles with controllable thickness as recyclable photocatalysts. <i>RSC Advances</i> , 2014 , 4, 8901	3.7	38
74	Fe ₂ O ₃ decorated ZnO nanorod-assembled hollow microspheres: Synthesis and enhanced visible-light photocatalysis. <i>Materials Letters</i> , 2014 , 135, 135-138	3.3	26
73	Directly coat TiO ₂ on hydrophobic NaYF ₄ :Yb,Tm nanoplates and regulate their photocatalytic activities with the core size. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 13486-13491	13	55
72	Hydrothermal synthesis and photoluminescent properties of rod-shape assemblies of LaBO ₃ :Eu ³⁺ nanocrystals. <i>Journal of Nanoscience and Nanotechnology</i> , 2014 , 14, 4579-83	1.3	3
71	Facile and controlled electrochemical route to three-dimensional hierarchical dendritic gold nanostructures. <i>Electrochimica Acta</i> , 2013 , 109, 136-144	6.7	48
70	A general approach to spindle-assembled lanthanide borate nanocrystals and their photoluminescence upon Eu ³⁺ /Tb ³⁺ doping. <i>Inorganic Chemistry</i> , 2013 , 52, 9590-6	5.1	22
69	Facile Cl ⁻ mediated hydrothermal synthesis of large-scale Ag nanowires from AgCl hydrosol. <i>CrystEngComm</i> , 2013 , 15, 2598	3.3	26
68	Controlled synthesis of uniform LaF ₃ polyhedrons, nanorods and nanoplates using NaOH and ligands. <i>Nanotechnology</i> , 2013 , 24, 145604	3.4	19
67	Facile synthesis of porous bifunctional Fe ₃ O ₄ @Y ₂ O ₃ :Ln nanocomposites using carbonized ferrocene as templates. <i>RSC Advances</i> , 2013 , 3, 25970	3.7	3
66	Synthesis of UV/NIR photocatalysts by coating TiO ₂ shell on peanut-like YF ₃ :Yb,Tm upconversion nanocrystals. <i>Materials Letters</i> , 2013 , 106, 238-241	3.3	23
65	Synthesis of Mesoporous SiO ₂ @TiO ₂ Core/Shell Nanospheres with Enhanced Photocatalytic Properties. <i>Particle and Particle Systems Characterization</i> , 2013 , 30, 306-310	3.1	34
64	Activation of specific sites on cubic nanocrystals: a new pathway for controlled epitaxial growth towards catalytic applications. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 4228	13	21
63	Synthesis of rhombic hierarchical YF ₃ nanocrystals and their use as upconversion photocatalysts after TiO ₂ coating. <i>Nanoscale</i> , 2013 , 5, 3030-6	7.7	75
62	Controlled synthesis of YF ₃ nanocrystals with multiple morphologies in ethylene glycol. <i>Journal of Alloys and Compounds</i> , 2013 , 560, 10-14	5.7	11
61	Tuning the autophagy-inducing activity of lanthanide-based nanocrystals through specific surface-coating peptides. <i>Nature Materials</i> , 2012 , 11, 817-26	27	140

60	Self-assembly of TiO ₂ composite microspheres: Facile synthesis, characterization and photocatalytic activities. <i>CrystEngComm</i> , 2012 , 14, 7118	3-3	12
59	Anisotropic growth of palladium twinned nanostructures controlled by kinetics and their unusual activities in galvanic replacement. <i>Journal of Materials Chemistry</i> , 2012 , 22, 8195		13
58	Facile synthesis of GdBO ₃ spindle assemblies and microdisks as versatile host matrices for lanthanide doping. <i>CrystEngComm</i> , 2012 , 14, 3959	3-3	20
57	Mesoporous silica-coated NaYF ₄ nanocrystals: facile synthesis, in vitro bioimaging and photodynamic therapy of cancer cells. <i>RSC Advances</i> , 2012 , 2, 12263	3-7	26
56	Controlled synthesis of Gd ₂ (WO ₄) ₃ microstructures and their tunable photoluminescent properties after Eu ³⁺ /Tb ³⁺ doping. <i>CrystEngComm</i> , 2012 , 14, 7043	3-3	50
55	Facile preparation of hydrophilic sodium yttrium fluoride nanorods using hydrophobic nanospheres as precursor. <i>Journal of Materials Research</i> , 2012 , 27, 2101-2105	2-5	3
54	A general method to NaLnF ₄ assemblies with ordered structures and strong emissions. <i>Materials Letters</i> , 2011 , 65, 3516-3518	3-3	7
53	High-quality water-soluble and surface-functionalized upconversion nanocrystals as luminescent probes for bioimaging. <i>Biomaterials</i> , 2011 , 32, 2959-68	15-6	197
52	Facile synthesis and properties of spherical assemblies of NaYF ₄ nanocrystals with consistent crystalline orientation. <i>CrystEngComm</i> , 2011 , 13, 7009	3-3	5
51	Modification of NaYF ₄ :Yb, ^ Nanoparticles with Gold Nanocrystals for Tunable Green-to-Red Upconversion Emissions. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 3291-3296	3-8	168
50	Synthesis of biocompatible and luminescent NaGdF ₄ :Yb,Er@ Carbon nanoparticles in water-in-oil microemulsion. <i>Journal of Materials Research</i> , 2011 , 26, 82-87	2-5	8
49	Facile microemulsion route to coat carbonized glucose on upconversion nanocrystals as high luminescence and biocompatible cell-imaging probes. <i>Nanotechnology</i> , 2010 , 21, 315105	3-4	28
48	Seed-mediated synthesis of NaY F ₄ :Y b, Er/NaGdF ₄ nanocrystals with improved upconversion fluorescence and MR relaxivity. <i>Nanotechnology</i> , 2010 , 21, 125602	3-4	134
47	ZnO/ZnFe ₂ O ₄ Magnetic Fluorescent Bifunctional Hollow Nanospheres: Synthesis, Characterization, and Their Optical/Magnetic Properties. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 17455-17459	3-8	57
46	Facile synthesis of lanthanide nanoparticles with paramagnetic, down- and up-conversion properties. <i>Nanoscale</i> , 2010 , 2, 1240-3	7-7	23
45	Coating colloidal carbon spheres with CdS nanoparticles: microwave-assisted synthesis and enhanced photocatalytic activity. <i>Langmuir</i> , 2010 , 26, 18570-5	4	145
44	One-pot synthesis of biocompatible Te@phenol formaldehyde resin core-shell nanowires with uniform size and unique fluorescent properties by a synergized soft-hard template process. <i>Nanotechnology</i> , 2010 , 21, 495602	3-4	5
43	Ionic liquid-based approach to monodisperse luminescent LaF ₃ :Ce,Tb nanodiskettes: synthesis, structural and photoluminescent properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 1913-9 ¹⁻³		10

42	Imaging gap junctions with silica-coated upconversion nanoparticles. <i>Medical and Biological Engineering and Computing</i> , 2010 , 48, 1033-41	3.1	18
41	Near-infrared quantum cutting in Ce ³⁺ , Yb ³⁺ co-doped YBO ₃ phosphors by cooperative energy transfer. <i>Optical Materials</i> , 2010 , 32, 998-1001	3.3	89
40	Tracking transplanted cells in live animal using upconversion fluorescent nanoparticles. <i>Biomaterials</i> , 2009 , 30, 5104-13	15.6	232
39	Hybrid lanthanide nanoparticles with paramagnetic shell coated on upconversion fluorescent nanocrystals. <i>Langmuir</i> , 2009 , 25, 12015-8	4	80
38	An efficient and user-friendly method for the synthesis of hexagonal-phase NaYF ₄ :Yb, Er/Tm nanocrystals with controllable shape and upconversion fluorescence. <i>Nanotechnology</i> , 2008 , 19, 345606 ³⁻⁴	3-4	59 ⁰
37	Multicolor polystyrene nanospheres tagged with up-conversion fluorescent nanocrystals. <i>Nanotechnology</i> , 2008 , 19, 255601	3.4	34
36	Facile synthesis of ultrathin Au nanorods by aging the AuCl(oleylamine) complex with amorphous Fe nanoparticles in chloroform. <i>Nano Letters</i> , 2008 , 8, 3052-5	11.5	74
35	Facile synthesis of branched au nanostructures by templating against a self-destructive lattice of magnetic fe nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 9653-6	16.4	72
34	Multicolor Core/Shell-Structured Upconversion Fluorescent Nanoparticles. <i>Advanced Materials</i> , 2008 , 20, 4765-4769	24	783
33	Facile Synthesis of Branched Au Nanostructures by Templating Against a Self-Destructive Lattice of Magnetic Fe Nanoparticles. <i>Angewandte Chemie</i> , 2008 , 120, 9799-9802	3.6	15
32	Selective synthesis of cobalt hydroxide carbonate 3D architectures and their thermal conversion to cobalt spinel 3D superstructures. <i>Materials Chemistry and Physics</i> , 2006 , 99, 479-486	4.4	117
31	Monodisperse silica-coated polyvinylpyrrolidone/NaYF ₄ nanocrystals with multicolor upconversion fluorescence emission. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 7732-5	16.4	425
30	Monodisperse Silica-Coated Polyvinylpyrrolidone/NaYF ₄ Nanocrystals with Multicolor Upconversion Fluorescence Emission. <i>Angewandte Chemie</i> , 2006 , 118, 7896-7899	3.6	85
29	Solution-phase template approach for the synthesis of Cu ₂ S nanoribbons. <i>Dalton Transactions</i> , 2006 , 149-51	4.3	19
28	Synthesis of polyethylenimine/NaYF ₄ nanoparticles with upconversion fluorescence. <i>Nanotechnology</i> , 2006 , 17, 5786-5791	3.4	269
27	Large-scale fabrication of TiO ₂ hierarchical hollow spheres. <i>Inorganic Chemistry</i> , 2006 , 45, 3493-5	5.1	225
26	Selected-control solution-phase route to multiple-dendritic and cuboidal structures of PbSe. <i>Journal of Solid State Chemistry</i> , 2006 , 179, 56-61	3.3	31
25	Facile synthesis and optical property of SnO ₂ flower-like architectures. <i>Journal of Nanoparticle Research</i> , 2006 , 8, 1065-1069	2.3	17

24	One-step solution-based catalytic route to fabricate novel alpha-MnO ₂ hierarchical structures on a large scale. <i>Chemical Communications</i> , 2005 , 918-20	5.8	151
23	Synthesis of multi-walled and bamboo-like well-crystalline CN _x nanotubes with controllable nitrogen concentration (x = 0.05-1.02). <i>Inorganic Chemistry</i> , 2005 , 44, 6506-8	5.1	12
22	Rational Growth of Various β-MnO ₂ Hierarchical Structures and β-MnO ₂ Nanorods via a Homogeneous Catalytic Route. <i>Crystal Growth and Design</i> , 2005 , 5, 1953-1958	3.5	101
21	Selective growth of ZnO nanostructures with coordination polymers. <i>Nanotechnology</i> , 2005 , 16, 2303-8	3.4	37
20	Aqueous-solution growth of GaP and InP nanowires: a general route to phosphide, oxide, sulfide, and tungstate nanowires. <i>Chemistry - A European Journal</i> , 2004 , 10, 654-60	4.8	93
19	Room-temperature surface-erosion route to ZnO nanorod arrays and urchin-like assemblies. <i>Chemistry - A European Journal</i> , 2004 , 10, 5823-8	4.8	65
18	Production of novel amorphous carbon nanostructures from ferrocene in low-temperature solution. <i>Carbon</i> , 2004 , 42, 1447-1453	10.4	74
17	Aqueous synthesis of group IIIA nitrides at low temperature. <i>New Journal of Chemistry</i> , 2004 , 28, 214	3.6	13
16	Thermally stable hematite hollow nanowires. <i>Inorganic Chemistry</i> , 2004 , 43, 6540-2	5.1	113
15	Reverse Micelle-assisted Route to Control Diameters of ZnO Nanorods by Selecting Different Precursors. <i>Chemistry Letters</i> , 2003 , 32, 760-761	1.7	18
14	Selected-control synthesis of ZnO nanowires and nanorods via a PEG-assisted route. <i>Inorganic Chemistry</i> , 2003 , 42, 8105-9	5.1	296
13	Single-crystal structure of coordination polymer [Nd ₂ (C ₈ H ₅ NO ₄) ₃ · 4H ₂ O]. <i>Science Bulletin</i> , 2003 , 48, 1111-1114		1
12	Formation of Silver Nanowires Through a Sandwiched Reduction Process. <i>Advanced Materials</i> , 2003 , 15, 405-408	24	93
11	Growth of Well-Aligned β-MnO ₂ Monocrystalline Nanowires Through a Coordination-Polymer-Precursor Route.. <i>ChemInform</i> , 2003 , 34, no		1
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9	Growth of well-aligned gamma-MnO ₂ monocrystalline nanowires through a coordination-polymer-precursor route. <i>Chemistry - A European Journal</i> , 2003 , 9, 1645-51	4.8	140
8	Micelle-assisted fabrication of necklace-shaped assembly of inorganic fullerene-like molybdenum disulfide nanospheres. <i>Chemical Physics Letters</i> , 2003 , 382, 180-185	2.5	26
7	From Complex Chains to 1D Metal Oxides: A Novel Strategy to Cu ₂ O Nanowires. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 3697-3702	3.4	111

6	A novel approach to carbon hollow spheres and vessels from CCl ₄ at low temperatures. <i>Chemical Communications</i> , 2003 , 904-5	5.8	63
5	Complexing-reagent assisted synthesis of β -Fe and β -Fe ₂ O ₃ nanowires under mild conditions. <i>New Journal of Chemistry</i> , 2003 , 27, 588	3.6	24
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3	Calculation of High Rydberg Levels of Atom Zn with the WBEPM Theory. <i>Journal of the Physical Society of Japan</i> , 2002 , 71, 2677-2680	1.5	3
2	Mn-Doped Perovskite Nanocrystals for Photocatalytic CO ₂ Reduction: Insight into the Role of the Charge Carriers with Prolonged Lifetime. <i>Solar Rrl</i> , 2200294	7.1	4
1	Rational Design of Metal Halide Perovskite Nanocrystals For Photocatalytic CO ₂ Reduction: Recent Advances, Challenges, and Prospects. <i>ACS Energy Letters</i> , 2043-2059	20.1	10