Zhengquan Li

List of Publications by Year
in descending order

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169	11,818	24978	28224
papers	citations	57 h-index	105 g-index

172	172	172	13652
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multicolor Core/Shellâ€Structured Upconversion Fluorescent Nanoparticles. Advanced Materials, 2008, 20, 4765-4769.	11.1	847
2	An efficient and user-friendly method for the synthesis of hexagonal-phase NaYF₄:Yb, Er/Tm nanocrystals with controllable shape and upconversion fluorescence. Nanotechnology, 2008, 19, 345606.	1.3	674
3	Monodisperse Silica-Coated Polyvinylpyrrolidone/NaYF4 Nanocrystals with Multicolor Upconversion Fluorescence Emission. Angewandte Chemie - International Edition, 2006, 45, 7732-7735.	7.2	447
4	Titania Coated Upconversion Nanoparticles for Near-Infrared Light Triggered Photodynamic Therapy. ACS Nano, 2015, 9, 191-205.	7.3	331
5	Selected-Control Synthesis of ZnO Nanowires and Nanorods via a PEG-Assisted Route. Inorganic Chemistry, 2003, 42, 8105-8109.	1.9	316
6	Facetâ€Engineered Surface and Interface Design of Photocatalytic Materials. Advanced Science, 2017, 4, 1600216.	5.6	307
7	Synthesis of polyethylenimine/NaYF4nanoparticles with upconversion fluorescence. Nanotechnology, 2006, 17, 5786-5791.	1.3	280
8	Enabling Visibleâ€Lightâ€Driven Selective CO₂ Reduction by Doping Quantum Dots: Trapping Electrons and Suppressing H₂ Evolution. Angewandte Chemie - International Edition, 2018, 57, 16447-16451.	7.2	262
9	Embedding Metal in the Interface of a p-n Heterojunction with a Stack Design for Superior Z-Scheme Photocatalytic Hydrogen Evolution. ACS Applied Materials & Interfaces, 2016, 8, 23133-23142.	4.0	250
10	Tracking transplanted cells in live animal using upconversion fluorescent nanoparticles. Biomaterials, 2009, 30, 5104-5113.	5.7	248
11	Large-Scale Fabrication of TiO2Hierarchical Hollow Spheres. Inorganic Chemistry, 2006, 45, 3493-3495.	1.9	230
12	Direct Z-Scheme 0D/2D Heterojunction of CsPbBr₃ Quantum Dots/Bi₂WO₆ Nanosheets for Efficient Photocatalytic CO₂ Reduction. ACS Applied Materials & Interfaces, 2020, 12, 31477-31485.	4.0	222
13	High-quality water-soluble and surface-functionalized upconversion nanocrystals as luminescent probes for bioimaging. Biomaterials, 2011, 32, 2959-2968.	5.7	218
14	Boosting Photocatalytic CO₂ Reduction on CsPbBr₃ Perovskite Nanocrystals by Immobilizing Metal Complexes. Chemistry of Materials, 2020, 32, 1517-1525.	3.2	197
15	Recent Advances in Glucoseâ€Oxidaseâ€Based Nanocomposites for Tumor Therapy. Small, 2019, 15, e1903895.	5.2	187
16	Modification of NaYF₄:Yb,Er@SiO₂ Nanoparticles with Gold Nanocrystals for Tunable Green-to-Red Upconversion Emissions. Journal of Physical Chemistry C, 2011, 115, 3291-3296.	1.5	182
17	ZnSe Nanorodsâ€“CsSnCl₃ Perovskite Heterojunction Composite for Photocatalytic CO₂ Reduction. ACS Nano, 2022, 16, 3332-3340.	7.3	179
18	Surface and interface design in cocatalysts for photocatalytic water splitting and CO₂reduction. RSC Advances, 2016, 6, 57446-57463.	1.7	178

#	Article	IF	Citations
19	One-step solution-based catalytic route to fabricate novel Î±-MnO2hierarchical structures on a large scale. Chemical Communications, 2005, , 918-920.	2.2	158
20	Tuning the autophagy-inducing activity of lanthanide-based nanocrystals through specificÂsurface-coating peptides. Nature Materials, 2012, 11, 817-826.	13.3	158
21	Growth of Well-Aligned -MnO2 Monocrystalline Nanowires through a Coordination-Polymer-Precursor Route. Chemistry - A European Journal, 2003, 9, 1645-1651.	1.7	149
22	Seed-mediated synthesis of NaY F₄:Y b, ErNaGdF₄nanocrystals with improved upconversion fluorescence and MR relaxivity. Nanotechnology, 2010, 21, 125602.	1.3	149
23	Coating Colloidal Carbon Spheres with CdS Nanoparticles: Microwave-Assisted Synthesis and Enhanced Photocatalytic Activity. Langmuir, 2010, 26, 18570-18575.	1.6	149
24	Integration of Multiple Plasmonic and Co-Catalyst Nanostructures on TiO₂ Nanosheets for Visible-Near-Infrared Photocatalytic Hydrogen Evolution. Small, 2016, 12, 1640-1648.	5.2	136
25	Surface and Interface Engineering in Photocatalysis. ChemNanoMat, 2015, 1, 223-239.	1.5	135
26	Selective synthesis of cobalt hydroxide carbonate 3D architectures and their thermal conversion to cobalt spinel 3D superstructures. Materials Chemistry and Physics, 2006, 99, 479-486.	2.0	131
27	Interfacial synergism of Pd-decorated BiOCl ultrathin nanosheets for the selective oxidation of aromatic alcohols. Journal of Materials Chemistry A, 2018, 6, 6344-6355.	5.2	127
28	From Complex Chains to 1D Metal Oxides:Â A Novel Strategy to Cu2O Nanowires. Journal of Physical Chemistry B, 2003, 107, 3697-3702.	1.2	116
29	Thermally Stable Hematite Hollow Nanowires. Inorganic Chemistry, 2004, 43, 6540-6542.	1.9	115
30	Rational Growth of Various Î±-MnO2Hierarchical Structures and Î²-MnO2Nanorods via a Homogeneous Catalytic Route. Crystal Growth and Design, 2005, 5, 1953-1958.	1.4	110
31	Formation of Silver Nanowires Through a Sandwiched Reduction Process. Advanced Materials, 2003, 15, 405-408.	11.1	101
32	Fabrication of Self-Supported Patterns of AlignedÎ²-FeOOH Nanowires by a Low-Temperature Solution Reaction. Chemistry - A European Journal, 2003, 9, 4991-4996.	1.7	101
33	Controlled Growth of Metalâ€“Organic Framework on Upconversion Nanocrystals for NIR-Enhanced Photocatalysis. ACS Applied Materials & Interfaces, 2017, 9, 2899-2905.	4.0	100
34	Aqueous-Solution Growth of GaP and InP Nanowires: A General Route to Phosphide, Oxide, Sulfide, and Tungstate Nanowires. Chemistry - A European Journal, 2004, 10, 654-660.	1.7	98
35	Hydriding Pd cocatalysts: An approach to giant enhancement on photocatalytic CO2 reduction into CH4. Nano Research, 2017, 10, 3396-3406.	5.8	95
36	A New Cubic Phase for a NaYF₄ Host Matrix Offering High Upconversion Luminescence Efficiency. Advanced Materials, 2015, 27, 5528-5533.	11.1	94

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37	Near-infrared quantum cutting in Ce3+, Yb3+ co-doped YBO3 phosphors by cooperative energy transfer. Optical Materials, 2010, 32, 998-1001.	1.7	93
38	In vivo Biocompatibility, Biodistribution and Therapeutic Efficiency of Titania Coated Upconversion Nanoparticles for Photodynamic Therapy of Solid Oral Cancers. Theranostics, 2016, 6, 1844-1865.	4.6	92
39	A novel hollow-hierarchical structured Bi2WO6 with enhanced photocatalytic activity for CO2 photoreduction. Journal of Colloid and Interface Science, 2018, 523, 151-158.	5.0	90
40	Rational Design of Metal Halide Perovskite Nanocrystals for Photocatalytic CO₂ Reduction: Recent Advances, Challenges, and Prospects. ACS Energy Letters, 2022, 7, 2043-2059.	8.8	89
41	Hybrid Lanthanide Nanoparticles with Paramagnetic Shell Coated on Upconversion Fluorescent Nanocrystals. Langmuir, 2009, 25, 12015-12018.	1.6	86
42	Depositing CdS nanoclusters on carbon-modified NaYF₄:Yb,Tm upconversion nanocrystals for NIR-light enhanced photocatalysis. Nanoscale, 2016, 8, 553-562.	2.8	86
43	Production of novel amorphous carbon nanostructures from ferrocene in low-temperature solution. Carbon, 2004, 42, 1447-1453.	5.4	82
44	Photoactivation of coreâ€“shell titania coated upconversion nanoparticles and their effect on cell death. Journal of Materials Chemistry B, 2014, 2, 7017-7026.	2.9	79
45	Facile Synthesis of Ultrathin Au Nanorods by Aging the AuCl(oleylamine) Complex with Amorphous Fe Nanoparticles in Chloroform. Nano Letters, 2008, 8, 3052-3055.	4.5	78
46	Synthesis of rhombic hierarchical YF3 nanocrystals and their use as upconversion photocatalysts after TiO2 coating. Nanoscale, 2013, 5, 3030.	2.8	78
47	Facile Synthesis of Branched Au Nanostructures by Templating Against a Selfâ€Destructive Lattice of Magnetic Fe Nanoparticles. Angewandte Chemie - International Edition, 2008, 47, 9653-9656.	7.2	77
48	Recent advances in metal halide perovskite photocatalysts: Properties, synthesis and applications. Journal of Energy Chemistry, 2021, 54, 770-785.	7.1	75
49	A novel non-template solution approach to fabricate ZnO hollow spheres with a coordination polymer as a reactantElectronic supplementary information (ESI) available: X-ray photoelectron spectra and energy-dispersive X-ray analysis of the products. See http://www.rsc.org/suppdata/nj/b3/b304787c/. New Journal of Chemistry, 2003, 27, 1518.	1.4	68
50	Room-Temperature Surface-Erosion Route to ZnO Nanorod Arrays and Urchin-like Assemblies. Chemistry - A European Journal, 2004, 10, 5823-5828.	1.7	67
51	A novel approach to carbon hollow spheres and vessels from CCl4 at low temperaturesElectronic supplementary information (ESI) available: mass and GC spectra. See http://www.rsc.org/suppdata/cc/b2/b211996j/. Chemical Communications, 2003, , 904-905.	2.2	66
52	Facile generation of carbon quantum dots in MIL-53(Fe) particles as localized electron acceptors for enhancing their photocatalytic Cr(<scp>vi</scp>) reduction. Inorganic Chemistry Frontiers, 2018, 5, 3170-3177.	3.0	64
53	Boosting the photocatalytic CO₂ reduction of metalâ€“organic frameworks by encapsulating carbon dots. Nanoscale, 2020, 12, 9533-9540.	2.8	64
54	In-suit photodeposition of MoS2 onto CdS quantum dots for efficient photocatalytic H2 evolution. Applied Surface Science, 2021, 539, 148234.	3.1	63

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55	Directly coat TiO₂ on hydrophobic NaYF₄:Yb,Tm nanoplates and regulate their photocatalytic activities with the core size. Journal of Materials Chemistry A, 2014, 2, 13486-13491.	5.2	60
56	Delay-Sensitive Task Offloading in the 802.11p-Based Vehicular Fog Computing Systems. IEEE Internet of Things Journal, 2020, 7, 773-785.	5.5	59
57	ZnO/ZnFe₂O₄ Magnetic Fluorescent Bifunctional Hollow Nanospheres: Synthesis, Characterization, and Their Optical/Magnetic Properties. Journal of Physical Chemistry C, 2010, 114, 17455-17459.	1.5	58
58	MOF-derived bimetallic Fe-Ni-P nanotubes with tunable compositions for dye-sensitized photocatalytic H2 and O2 production. Chemical Engineering Journal, 2020, 384, 123354.	6.6	57
59	Coupling CsPbBr₃ Quantum Dots with Covalent Triazine Frameworks for Visibleâ€Lightâ€Driven CO₂ Reduction. ChemSusChem, 2021, 14, 1131-1139.	3.6	52
60	Controlled synthesis of Gd2(WO4)3 microstructures and their tunable photoluminescent properties after Eu3+/Tb3+ doping. CrystEngComm, 2012, 14, 7043.	1.3	51
61	Facile and controlled electrochemical route to three-dimensional hierarchical dendritic gold nanostructures. Electrochimica Acta, 2013, 109, 136-144.	2.6	51
62	Facet engineered interface design of NaYF₄:Yb,Tm upconversion nanocrystals on BiOCl nanoplates for enhanced near-infrared photocatalysis. Nanoscale, 2016, 8, 19014-19024.	2.8	51
63	Facile synthesis of CdS/C coreâ€“shell nanospheres with ultrathin carbon layer for enhanced photocatalytic properties and stability. Applied Surface Science, 2016, 362, 126-131.	3.1	49
64	MOF-mediated synthesis of monodisperse Co(OH)2 flower-like nanosheets for enhanced oxygen evolution reaction. Electrochimica Acta, 2018, 273, 327-334.	2.6	48
65	MOF-derived synthesis of MnS/In2S3 p-n heterojunctions with hierarchical structures for efficient photocatalytic CO2 reduction. Journal of Colloid and Interface Science, 2021, 588, 547-556.	5.0	48
66	Sequential coating upconversion NaYF 4 :Yb,Tm nanocrystals with SiO 2 and ZnO layers for NIR-driven photocatalytic and antibacterial applications. Materials Science and Engineering C, 2017, 70, 1141-1148.	3.8	47
67	Dye-Sensitized Fe-MOF nanosheets as Visible-Light driven photocatalyst for high efficient photocatalytic CO2 reduction. Journal of Colloid and Interface Science, 2022, 607, 1180-1188.	5.0	47
68	Hierarchical nanostructures of nickel-doped zinc oxide: Morphology controlled synthesis and enhanced visible-light photocatalytic activity. Journal of Alloys and Compounds, 2015, 618, 318-325.	2.8	44
69	Solvothermal Synthesis of Monodisperse PtCu Dodecahedral Nanoframes with Enhanced Catalytic Activity and Durability for Hydrogen Evolution Reaction. ACS Applied Energy Materials, 2018, 1, 5054-5061.	2.5	43
70	Synthesis of small yolkâ€“shell Fe3O4@TiO2 nanoparticles with controllable thickness as recyclable photocatalysts. RSC Advances, 2014, 4, 8901.	1.7	42
71	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. Journal of Colloid and Interface Science, 2019, 535, 41-49.	5.0	40
72	Synthesis of Mesoporous SiO₂@TiO₂ Core/Shell Nanospheres with Enhanced Photocatalytic Properties. Particle and Particle Systems Characterization, 2013, 30, 306-310.	1.2	39

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73	Surface Defect Engineering of CsPbBr₃ Nanocrystals for High Efficient Photocatalytic CO₂ Reduction. Solar Rrl, 2021, 5, 2100154.	3.1	39
74	Upconversion nanoparticles coupled with hierarchical ZnIn2S4 nanorods as a near-infrared responsive photocatalyst for photocatalytic CO2 reduction. Journal of Colloid and Interface Science, 2022, 612, 782-791.	5.0	39
75	Selective growth of ZnO nanostructures with coordination polymers. Nanotechnology, 2005, 16, 2303-2308.	1.3	38
76	Multicolor polystyrene nanospheres tagged with up-conversion fluorescent nanocrystals. Nanotechnology, 2008, 19, 255601.	1.3	38
77	Etching approach to hybrid structures of PtPd nanocages and graphene for efficient oxygen reduction reaction catalysts. Nano Research, 2015, 8, 2789-2799.	5.8	37
78	Metal-organic frameworks-derived hollow-structured iron-cobalt bimetallic phosphide electrocatalysts for efficient oxygen evolution reaction. Journal of Alloys and Compounds, 2020, 821, 153463.	2.8	37
79	Activate Fe₃S₄ Nanorods by Ni Doping for Efficient Dye-Sensitized Photocatalytic Hydrogen Production. ACS Applied Materials & Interfaces, 2021, 13, 14198-14206.	4.0	34
80	A heterostructure of halide and oxide double perovskites Cs2AgBiBr6/Sr2FeNbO6 for boosting the charge separation toward high efficient photocatalytic CO2 reduction under visible-light irradiation. Chemical Engineering Journal, 2022, 446, 137197.	6.6	34
81	Selected-control solution-phase route to multiple-dendritic and cuboidal structures of PbSe. Journal of Solid State Chemistry, 2006, 179, 56-61.	1.4	33
82	Î±-Fe2O3 decorated ZnO nanorod-assembled hollow microspheres: Synthesis and enhanced visible-light photocatalysis. Materials Letters, 2014, 135, 135-138.	1.3	33
83	Synthesis of g-C3N4-based NaYF4:Yb,Tm@TiO2 ternary composite with enhanced Vis/NIR-driven photocatalytic activities. Applied Surface Science, 2017, 410, 383-392.	3.1	33
84	MOF-derived hollow Î²-FeOOH polyhedra anchored with Î±-Ni(OH)2 nanosheets as efficient electrocatalysts for oxygen evolution. Electrochimica Acta, 2019, 301, 258-266.	2.6	33
85	Inâ€Šitu Generated CsPbBr₃ Nanocrystals on Oâ€Ðefective WO₃ for Photocatalytic CO₂ Reduction. ChemSusChem, 2022, 15, .	3.6	33
86	Facile microemulsion route to coat carbonized glucose on upconversion nanocrystals as high luminescence and biocompatible cell-imaging probes. Nanotechnology, 2010, 21, 315105.	1.3	32
87	A Task Offloading Scheme in Vehicular Fog and Cloud Computing System. IEEE Access, 2020, 8, 1173-1184.	2.6	32
88	Micelle-assisted fabrication of necklace-shaped assembly of inorganic fullerene-like molybdenum disulfide nanospheres. Chemical Physics Letters, 2003, 382, 180-185.	1.2	30
89	Facile Clâ^'-mediated hydrothermal synthesis of large-scale Ag nanowires from AgCl hydrosol. CrystEngComm, 2013, 15, 2598.	1.3	30
90	Synthesis of vis/NIR-driven hybrid photocatalysts by electrostatic assembly of NaYF4:Yb, Tm nanocrystals on g-C3N4 nanosheets. Materials Letters, 2015, 146, 87-90.	1.3	28

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91	Enabling Visibleâ€Lightâ€Driven Selective CO₂ Reduction by Doping Quantum Dots: Trapping Electrons and Suppressing H₂ Evolution. Angewandte Chemie, 2018, 130, 16685-16689.	1.6	28
92	Complexing-reagent assisted synthesis of Î±-Fe and Î³-Fe2O3 nanowires under mild conditions. New Journal of Chemistry, 2003, 27, 588.	1.4	27
93	Mesoporous silica-coated NaYF4 nanocrystals: facile synthesis, in vitro bioimaging and photodynamic therapy of cancer cells. RSC Advances, 2012, 2, 12263.	1.7	27
94	Synthesis of UV/NIR photocatalysts by coating TiO2 shell on peanut-like YF3:Yb,Tm upconversion nanocrystals. Materials Letters, 2013, 106, 238-241.	1.3	26
95	Simultaneous formation of silica-protected and N-doped TiO₂ hollow spheres using organicâ€“inorganic silica as self-removed templates. Journal of Materials Chemistry A, 2015, 3, 2234-2241.	5.2	26
96	Incorporation of Pd into Pt Coâ€Catalysts toward Enhanced Photocatalytic Water Splitting. Particle and Particle Systems Characterization, 2016, 33, 506-511.	1.2	26
97	Glucose-assisted transformation of Ni-doped-ZnO@carbon to a Ni-doped-ZnO@void@SiO₂coreâ€“shell nanocomposite photocatalyst. RSC Advances, 2016, 6, 38653-38661.	1.7	26
98	Facile synthesis of lanthanide nanoparticles with paramagnetic, down- and up-conversion properties. Nanoscale, 2010, 2, 1240.	2.8	25
99	Direct Generation of Fine Bi₂WO₆ Nanocrystals on gâ€C₃N₄ Nanosheets for Enhanced Photocatalytic Activity. ChemNanoMat, 2016, 2, 732-738.	1.5	25
100	Heterogeneous Semiconductor Shells Sequentially Coated on Upconversion Nanoplates for NIR-Light Enhanced Photocatalysis. Inorganic Chemistry, 2017, 56, 2328-2336.	1.9	24
101	Immobilization of catalytic sites on quantum dots by ligand bridging for photocatalytic CO₂ reduction. Nanoscale, 2020, 12, 2507-2514.	2.8	24
102	Mnâ€Doped Perovskite Nanocrystals for Photocatalytic CO₂ Reduction: Insight into the Role of the Charge Carriers with Prolonged Lifetime. Solar Rrl, 2022, 6, .	3.1	24
103	Reverse Micelle-assisted Route to Control Diameters of ZnO Nanorods by Selecting Different Precursors. Chemistry Letters, 2003, 32, 760-761.	0.7	23
104	Facile synthesis of GdBO3 spindle assemblies and microdisks as versatile host matrices for lanthanide doping. CrystEngComm, 2012, 14, 3959.	1.3	23
105	A General Approach to Spindle-Assembled Lanthanide Borate Nanocrystals and Their Photoluminescence upon Eu³⁺/Tb³⁺ Doping. Inorganic Chemistry, 2013, 52, 9590-9596.	1.9	23
106	Anchoring NaYF₄:Yb,Tm upconversion nanocrystals on concave MIL-53(Fe) octahedra for NIR-light enhanced photocatalysis. Inorganic Chemistry Frontiers, 2017, 4, 1757-1764.	3.0	23
107	Time-Dependent Performance Analysis of the 802.11p-Based Platooning Communications Under Disturbance. IEEE Transactions on Vehicular Technology, 2020, 69, 15760-15773.	3.9	23
108	Controlled synthesis of uniform LaF3 polyhedrons, nanorods and nanoplates using NaOH and ligands. Nanotechnology, 2013, 24, 145604.	1.3	22

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109	Activation of specific sites on cubic nanocrystals: a new pathway for controlled epitaxial growth towards catalytic applications. Journal of Materials Chemistry A, 2013, 1, 4228.	5.2	22
110	Hybrid cobalt-based electrocatalysts with adjustable compositions for electrochemical water splitting derived from Co2+-Loaded MIL-53(Fe) particles. Electrochimica Acta, 2018, 286, 397-405.	2.6	22
111	Solution-phase template approach for the synthesis of Cu2S nanoribbons. Dalton Transactions, 2006, , 149-151.	1.6	20
112	Imaging gap junctions with silica-coated upconversion nanoparticles. Medical and Biological Engineering and Computing, 2010, 48, 1033-1041.	1.6	20
113	Ultrathin nanosheets of palladium in boosting its cocatalyst role and plasmonic effect towards enhanced photocatalytic hydrogen evolution. RSC Advances, 2016, 6, 56800-56806.	1.7	20
114	Current progress in the controlled synthesis and biomedical applications of ultrasmall (<10 nm) NaREF₄ nanoparticles. Dalton Transactions, 2018, 47, 8538-8556.	1.6	20
115	Velocity-Adaptive V2I Fair-Access Scheme Based on IEEE 802.11 DCF for Platooning Vehicles. Sensors, 2018, 18, 4198.	2.1	20
116	Trajectory Protection Schemes Based on a Gravity Mobility Model in IoT. Electronics (Switzerland), 2019, 8, 148.	1.8	20
117	Ag-decorated Fe3O4@SiO2 core-shell nanospheres: Seed-mediated growth preparation and their antibacterial activity during the consecutive recycling. Journal of Alloys and Compounds, 2016, 676, 113-119.	2.8	19
118	A Swarming Approach to Optimize the One-Hop Delay in Smart Driving Inter-Platoon Communications. Sensors, 2018, 18, 3307.	2.1	18
119	Fabrication of dispersive Î±-Co(OH)2 nanosheets on graphene nanoribbons for boosting their oxygen evolution performance. Journal of Materials Science, 2019, 54, 7692-7701.	1.7	18
120	Facile synthesis and optical property of SnO2 flower-like architectures. Journal of Nanoparticle Research, 2006, 8, 1065-1069.	0.8	17
121	Boosting photocatalytic hydrogen generation of cadmium telluride colloidal quantum dots by nickel ion doping. Journal of Colloid and Interface Science, 2019, 549, 63-71.	5.0	17
122	Metal-organic framework composites for energy conversion and storage. Journal of Semiconductors, 2020, 41, 091707.	2.0	17
123	A novel etching and reconstruction route to ultrathin porous TiO2 hollow spheres for enhanced photocatalytic hydrogen evolution. International Journal of Hydrogen Energy, 2016, 41, 1627-1634.	3.8	16
124	Aqueous synthesis of group IIIA nitrides at low temperature. New Journal of Chemistry, 2004, 28, 214.	1.4	15
125	Anisotropic growth of palladium twinned nanostructures controlled by kinetics and their unusual activities in galvanic replacement. Journal of Materials Chemistry, 2012, 22, 8195.	6.7	14
126	Self-assembly of LaF₃:Yb,Er/Tm nanoplates into colloidal spheres and tailoring their upconversion emissions with fluorescent dyes. Journal of Materials Chemistry C, 2014, 2, 8949-8955.	2.7	14

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127	Convenient synthesis of magnetically recyclable Fe3O4@C@CdS photocatalysts by depositing CdS nanocrystals on carbonized ferrocene. Journal of Alloys and Compounds, 2015, 646, 978-982.	2.8	14
128	Synthesis of Nd³⁺/Yb³⁺ sensitized upconversion coreâ€“shell nanocrystals with optimized hosts and doping concentrations. RSC Advances, 2015, 5, 62899-62904.	1.7	14
129	Improved Metric Sorting for Successive Cancellation List Decoding of Polar Codes. IEEE Communications Letters, 2019, 23, 1123-1126.	2.5	14
130	Synthesis of Multi-Walled and Bamboo-like Well-Crystalline CNxNanotubes with Controllable Nitrogen Concentration (x= 0.05â^'1.02). Inorganic Chemistry, 2005, 44, 6506-6508.	1.9	13
131	Self-assembly of TiO2 composite microspheres: Facile synthesis, characterization and photocatalytic activities. CrystEngComm, 2012, 14, 7118.	1.3	12
132	Multilevel storage and photoinduced-reset memory by an inorganic perovskite quantum-dot/polystyrene floating-gate organic transistor. RSC Advances, 2020, 10, 43225-43232.	1.7	12
133	Self-Supported Three-Dimensional Quantum Dot Aerogels as a Promising Photocatalyst for CO₂ Reduction. Chemistry of Materials, 2022, 34, 2687-2695.	3.2	12
134	Controlled synthesis of YF3 nanocrystals with multiple morphologies in ethylene glycol. Journal of Alloys and Compounds, 2013, 560, 10-14.	2.8	11
135	Ionic Liquid-Based Approach to Monodisperse Luminescent LaF3:Ce,Tb Nanodiskettes: Synthesis, Structural and Photoluminescent Properties. Journal of Nanoscience and Nanotechnology, 2010, 10, 1913-1919.	0.9	10
136	Coating a N-doped TiO₂ shell on dually sensitized upconversion nanocrystals to provide NIR-enhanced photocatalysts for efficient utilization of upconverted emissions. Inorganic Chemistry Frontiers, 2016, 3, 1190-1197.	3.0	10
137	Synthesis of biocompatible and luminescent NaGdF₄:Yb,Er@Carbon nanoparticles in water-in-oil microemulsion. Journal of Materials Research, 2011, 26, 82-87.	1.2	9
138	Interference-Free Hybrid Optical OFDM With Low-Complexity Receiver for Wireless Optical Communications. IEEE Communications Letters, 2019, 23, 818-821.	2.5	9
139	Performance Analysis of a Downlink Cooperative NOMA Network Over Nakagami-m Fading Channels. IEEE Access, 2018, 6, 53034-53043.	2.6	8
140	Laser-ablation assisted strain engineering of gold nanoparticles for selective electrochemical CO₂ reduction. Nanoscale, 2022, 14, 7702-7710.	2.8	8
141	A general method to NaLnF4 assemblies with ordered structures and strong emissions. Materials Letters, 2011, 65, 3516-3518.	1.3	7
142	Belief Propagation Bit-Strengthening Decoder for Polar Codes. IEEE Communications Letters, 2019, 23, 1958-1961.	2.5	7
143	Adaptively Biased OFDM for IM/DD-Aided Optical Wireless Communication Systems. IEEE Wireless Communications Letters, 2020, 9, 698-701.	3.2	7
144	One-pot synthesis of biocompatible Te@phenol formaldehyde resin coreâ€“shell nanowires with uniform size and unique fluorescent properties by a synergized softâ€“hard template process. Nanotechnology, 2010, 21, 495602.	1.3	6

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145	Facile synthesis of Ag@TiO2 (B) hierarchical coreâ€“shell nanowires: facile synthesis, growth mechanism and photocatalytic and antibacterial applications. Journal of Materials Science: Materials in Electronics, 2015, 26, 5753-5760.	1.1	6
146	A Low Complexity Precoding Algorithm Based on Parallel Conjugate Gradient for Massive MIMO Systems. IEEE Access, 2018, 6, 54010-54017.	2.6	6
147	Quality of experienceâ€driven resource allocation in vehicular cloud longâ€term evolution networks. Transactions on Emerging Telecommunications Technologies, 2020, 31, e4036.	2.6	6
148	Facile synthesis and properties of spherical assemblies of NaYF4 nanocrystals with consistent crystalline orientation. CrystEngComm, 2011, 13, 7009.	1.3	5
149	Hydrothermal Synthesis and Photoluminescent Properties of Rod-Shape Assemblies of LaBO₃:Eu³⁺ Nanocrystals. Journal of Nanoscience and Nanotechnology, 2014, 14, 4579-4583.	0.9	5
150	Facile â€˜embeddingâ€™ of Au nanocrystals into silica spheres with controllable quantity for improved catalytic reduction of p-nitrophenol. Inorganic Chemistry Frontiers, 2015, 2, 938-944.	3.0	5
151	Massive MIMO Pre-Coding Algorithm Based on Improved Newton Iteration. , 2017, , .		5
152	A Novel Iterative Discrete Estimation Algorithm for Low-Complexity Signal Detection in Uplink Massive MIMO Systems. Electronics (Switzerland), 2019, 8, 980.	1.8	5
153	An Improved Jacobi-Based Detector for Massive MIMO Systems. Information (Switzerland), 2019, 10, 165.	1.7	5
154	Facile synthesis of porous bifunctional Fe3O4@Y2O3:Ln nanocomposites using carbonized ferrocene as templates. RSC Advances, 2013, 3, 25970.	1.7	4
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