

# Ling-Dong Sun

## List of Publications by Year in descending order

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200  
papers

24,762  
citations

4641

85  
h-index

6818

155  
g-index

210  
all docs

210  
docs citations

210  
times ranked

23898  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Quality Sodium Rare-Earth Fluoride Nanocrystals: Controlled Synthesis and Optical Properties. <i>Journal of the American Chemical Society</i> , 2006, 128, 6426-6436.	6.6	1,374
2	Shape-Selective Synthesis and Oxygen Storage Behavior of Ceria Nanopolyhedra, Nanorods, and Nanocubes. <i>Journal of Physical Chemistry B</i> , 2005, 109, 24380-24385.	1.2	1,326
3	Lanthanide Nanoparticles: From Design toward Bioimaging and Therapy. <i>Chemical Reviews</i> , 2015, 115, 10725-10815.	23.0	946
4	Energy transfer in lanthanide upconversion studies for extended optical applications. <i>Chemical Society Reviews</i> , 2015, 44, 1608-1634.	18.7	859
5	A Eu <sup>3+</sup> -Eu <sup>2+</sup> ion redox shuttle imparts operational durability to Pb-I perovskite solar cells. <i>Science</i> , 2019, 363, 265-270.	6.0	793
6	Nd <sup>3+</sup> -Sensitized Upconversion Nanophosphors: Efficient <i>In Vivo</i> Bioimaging Probes with Minimized Heating Effect. <i>ACS Nano</i> , 2013, 7, 7200-7206.	7.3	786
7	Facile Synthesis for Ordered Mesoporous $\gamma$ -Aluminas with High Thermal Stability. <i>Journal of the American Chemical Society</i> , 2008, 130, 3465-3472.	6.6	616
8	Plasmonic Harvesting of Light Energy for Suzuki Coupling Reactions. <i>Journal of the American Chemical Society</i> , 2013, 135, 5588-5601.	6.6	597
9	Highly Efficient Multicolor Up-Conversion Emissions and Their Mechanisms of Monodisperse NaYF <sub>4</sub> :Yb,Er Core and Core/Shell-Structured Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2007, 111, 13721-13729.	1.5	580
10	Single-Crystalline Iron Oxide Nanotubes. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 4328-4333.	7.2	494
11	Large-Scale Synthesis of Single-Crystalline Iron Oxide Magnetic Nanorings. <i>Journal of the American Chemical Society</i> , 2008, 130, 16968-16977.	6.6	438
12	Strong Polarization Dependence of Plasmon-Enhanced Fluorescence on Single Gold Nanorods. <i>Nano Letters</i> , 2009, 9, 3896-3903.	4.5	388
13	Luminescent rare earth nanomaterials for bioprobe applications. <i>Dalton Transactions</i> , 2008, , 5687.	1.6	367
14	Growth of Tetrahedral Gold Nanocrystals with High-Index Facets. <i>Journal of the American Chemical Society</i> , 2009, 131, 16350-16351.	6.6	357
15	Paradigms and Challenges for Bioapplication of Rare Earth Upconversion Luminescent Nanoparticles: Small Size and Tunable Emission/Excitation Spectra. <i>Accounts of Chemical Research</i> , 2014, 47, 1001-1009.	7.6	324
16	Engineering of Upconverted Metal-Organic Frameworks for Near-Infrared Light-Triggered Combinational Photodynamic/Chemo-Immunotherapy against Hypoxic Tumors. <i>Journal of the American Chemical Society</i> , 2020, 142, 3939-3946.	6.6	294
17	Heteroepitaxial Growth of High-Index-Faceted Palladium Nanoshells and Their Catalytic Performance. <i>Journal of the American Chemical Society</i> , 2011, 133, 1106-1111.	6.6	287
18	Reversible Near-Infrared Light Directed Reflection in a Self-Organized Helical Superstructure Loaded with Upconversion Nanoparticles. <i>Journal of the American Chemical Society</i> , 2014, 136, 4480-4483.	6.6	257

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19	Size- and Phase-Controlled Synthesis of Monodisperse NaYF <sub>4</sub> :Yb,Er Nanocrystals from a Unique Delayed Nucleation Pathway Monitored with Upconversion Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2007, 111, 13730-13739.	1.5	256
20	A simple route towards tubular ZnO. <i>Chemical Communications</i> , 2002, , 262-263.	2.2	254
21	Size-Dependent Chromaticity in YBO <sub>3</sub> :Eu Nanocrystals: Correlation with Microstructure and Site Symmetry. <i>Journal of Physical Chemistry B</i> , 2002, 106, 10610-10617.	1.2	244
22	Bioimaging and toxicity assessments of near-infrared upconversion luminescent NaYF <sub>4</sub> :Yb,Tm nanocrystals. <i>Biomaterials</i> , 2011, 32, 9059-9067.	5.7	239
23	Versatile Spectral and Lifetime Multiplexing Nanoplatfrom with Excitation Orthogonalized Upconversion Luminescence. <i>ACS Nano</i> , 2017, 11, 3289-3297.	7.3	237
24	Controlled synthesis and assembly of ceria-based nanomaterials. <i>Journal of Colloid and Interface Science</i> , 2009, 335, 151-167.	5.0	229
25	Luminescence-Driven Reversible Handedness Inversion of Self-Organized Helical Superstructures Enabled by a Novel Near-Infrared Light Nanotransducer. <i>Advanced Materials</i> , 2015, 27, 2065-2069.	11.1	225
26	Colloidal synthesis and blue based multicolor upconversion emissions of size and composition controlled monodisperse hexagonal NaYF <sub>4</sub> :Yb,Tm nanocrystals. <i>Nanoscale</i> , 2010, 2, 953.	2.8	221
27	Hierarchical Assembly of SnO <sub>2</sub> Nanorod Arrays on $\pm$ -Fe <sub>2</sub> O <sub>3</sub> Nanotubes: A Case of Interfacial Lattice Compatibility. <i>Journal of the American Chemical Society</i> , 2005, 127, 13492-13493.	6.6	212
28	Efficient Energy Transfer in Monodisperse Eu-Doped ZnO Nanocrystals Synthesized from Metal Acetylacetonates in High-Boiling Solvents. <i>Journal of Physical Chemistry C</i> , 2008, 112, 12234-12241.	1.5	212
29	Triple-functional core-shell structured upconversion luminescent nanoparticles covalently grafted with photosensitizer for luminescent, magnetic resonance imaging and photodynamic therapy in vitro. <i>Nanoscale</i> , 2012, 4, 4611.	2.8	209
30	Porous Single-Crystalline Palladium Nanoparticles with High Catalytic Activities. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 4872-4876.	7.2	206
31	Basic understanding of the lanthanide related upconversion emissions. <i>Nanoscale</i> , 2013, 5, 5703.	2.8	203
32	Ag nanowires enhanced upconversion emission of NaYF <sub>4</sub> :Yb,Er nanocrystals via a direct assembly method. <i>Chemical Communications</i> , 2009, , 4393.	2.2	199
33	Rare-Earth Nanoparticles with Enhanced Upconversion Emission and Suppressed Rare-Earth Ion Leakage. <i>Chemistry - A European Journal</i> , 2012, 18, 5558-5564.	1.7	195
34	Plasmon-molecule interactions. <i>Nano Today</i> , 2010, 5, 494-505.	6.2	193
35	Luminescence Modulation of Ordered Upconversion Nanopatterns by a Photochromic Diarylethene: Rewritable Optical Storage with Nondestructive Readout. <i>Advanced Materials</i> , 2010, 22, 633-637.	11.1	192
36	Thermally Stable Pt/CeO <sub>2</sub> Hetero-Nanocomposites with High Catalytic Activity. <i>Journal of the American Chemical Society</i> , 2010, 132, 4998-4999.	6.6	187

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37	Glutathione- and Cysteine-Induced Transverse Overgrowth on Gold Nanorods. <i>Journal of the American Chemical Society</i> , 2007, 129, 6402-6404.	6.6	178
38	Fluorescence intensity and color purity improvement in nanosized YBO <sub>3</sub> :Eu. <i>Applied Physics Letters</i> , 2002, 80, 1447-1449.	1.5	177
39	Time-Dependent Temperature Indicator for Perishable Products Based on Kinetically Programmable Ag Overgrowth on Au Nanorods. <i>ACS Nano</i> , 2013, 7, 4561-4568.	7.3	173
40	Controlled-Synthesis, Self-Assembly Behavior, and Surface-Dependent Optical Properties of High-Quality Rare-Earth Oxide Nanocrystals. <i>Chemistry of Materials</i> , 2007, 19, 18-27.	3.2	171
41	Ordered Mesoporous Ce <sub>1-x</sub> Zr <sub>x</sub> O <sub>2</sub> Solid Solutions with Crystalline Walls. <i>Journal of the American Chemical Society</i> , 2007, 129, 6698-6699.	6.6	171
42	Efficient Tailoring of Upconversion Selectivity by Engineering Local Structure of Lanthanides in Na <sub>3</sub> REF <sub>3</sub> Nanocrystals. <i>Journal of the American Chemical Society</i> , 2015, 137, 6569-6576.	6.6	154
43	ZnO nanowires fabricated by a convenient route. <i>New Journal of Chemistry</i> , 2002, 26, 33-34.	1.4	153
44	Biocompatible Bright YVO <sub>4</sub> :Eu Nanoparticles as Versatile Optical Bioprobes. <i>Advanced Functional Materials</i> , 2010, 20, 3708-3714.	7.8	151
45	Synthesis and assembly of rare earth nanostructures directed by the principle of coordination chemistry in solution-based process. <i>Coordination Chemistry Reviews</i> , 2010, 254, 1038-1053.	9.5	150
46	Heterodimers Made of Upconversion Nanoparticles and Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2017, 139, 13804-13810.	6.6	147
47	Nanonecklaces assembled from gold rods, spheres, and bipyramids. <i>Chemical Communications</i> , 2007, , 1816.	2.2	146
48	Structural transformation induced improved luminescent properties for LaVO <sub>4</sub> :Eu nanocrystals. <i>Applied Physics Letters</i> , 2004, 84, 5305-5307.	1.5	142
49	Luminescent properties of Li <sup>+</sup> doped nanosized Y <sub>2</sub> O <sub>3</sub> :Eu. <i>Solid State Communications</i> , 2001, 119, 393-396.	0.9	139
50	Selective Synthesis of Monazite- and Zircon-type LaVO <sub>4</sub> Nanocrystals. <i>Journal of Physical Chemistry B</i> , 2005, 109, 3284-3290.	1.2	139
51	Porous Pd nanoparticles with high photothermal conversion efficiency for efficient ablation of cancer cells. <i>Nanoscale</i> , 2014, 6, 4345-4351.	2.8	139
52	Direct Identification of Active Surface Species for the Water-Gas Shift Reaction on a Gold-Ceria Catalyst. <i>Journal of the American Chemical Society</i> , 2019, 141, 4613-4623.	6.6	139
53	A Versatile Imaging and Therapeutic Platform Based on Dual-Band Luminescent Lanthanide Nanoparticles toward Tumor Metastasis Inhibition. <i>ACS Nano</i> , 2016, 10, 2766-2773.	7.3	131
54	Luminescent Monodisperse Nanocrystals of Lanthanide Oxyfluorides Synthesized from Trifluoroacetate Precursors in High-Boiling Solvents. <i>Journal of Physical Chemistry C</i> , 2008, 112, 405-415.	1.5	130

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55	Growth of Gold Nanorods and Bipyramids Using CTEAB Surfactant. <i>Journal of Physical Chemistry B</i> , 2006, 110, 16377-16383.	1.2	127
56	Upconversion of Rare Earth Nanomaterials. <i>Annual Review of Physical Chemistry</i> , 2015, 66, 619-642.	4.8	127
57	Eu <sup>3+</sup> ion as fluorescent probe for detecting the surface effect in nanocrystals. <i>Applied Physics Letters</i> , 2003, 82, 3511-3513.	1.5	119
58	Plasmon Coupling in Clusters Composed of Two-Dimensionally Ordered Gold Nanocubes. <i>Small</i> , 2009, 5, 2111-2119.	5.2	119
59	Highly Luminescent Self-Organized Sub-2-nm EuOF Nanowires. <i>Journal of the American Chemical Society</i> , 2009, 131, 16364-16365.	6.6	119
60	Near-Infrared to Visible Upconversion in Er <sup>3+</sup> and Yb <sup>3+</sup> Codoped Lu <sub>2</sub> O <sub>3</sub> Nanocrystals: Enhanced Red Color Upconversion and Three-Photon Process in Green Color Upconversion. <i>Journal of Physical Chemistry C</i> , 2009, 113, 4413-4418.	1.5	119
61	Hydrothermal homogeneous urea precipitation of hexagonal YBO <sub>3</sub> :Eu <sup>3+</sup> nanocrystals with improved luminescent properties. <i>Journal of Solid State Chemistry</i> , 2003, 175, 245-251.	1.4	118
62	Ordered Nanosheet-Based YBO <sub>3</sub> :Eu <sup>3+</sup> Assemblies: Synthesis and Tunable Luminescent Properties. <i>Journal of Physical Chemistry B</i> , 2004, 108, 3387-3390.	1.2	115
63	Recent Progress in Well-Controlled Synthesis of Ceria-Based Nanocatalysts towards Enhanced Catalytic Performance. <i>Advanced Energy Materials</i> , 2016, 6, 1600501.	10.2	115
64	Room Temperature Ionic Liquids Assisted Green Synthesis of Nanocrystalline Porous SnO <sub>2</sub> and Their Gas Sensor Behaviors. <i>Crystal Growth and Design</i> , 2008, 8, 4165-4172.	1.4	114
65	Optically active uniform potassium and lithium rare earth fluoride nanocrystals derived from metal trifluoroacetate precursors. <i>Dalton Transactions</i> , 2009, , 8574.	1.6	113
66	Photon energy upconversion through thermal radiation with the power efficiency reaching 16%. <i>Nature Communications</i> , 2014, 5, 5669.	5.8	111
67	Orderly Aligned and Highly Luminescent Monodisperse Rare-Earth Orthophosphate Nanocrystals Synthesized by a Limited Anion-Exchange Reaction. <i>Chemistry of Materials</i> , 2007, 19, 4514-4522.	3.2	109
68	Fabrication of size controllable YVO <sub>4</sub> nanoparticles via microemulsion-mediated synthetic process. <i>Solid State Communications</i> , 2002, 124, 35-38.	0.9	108
69	Rare earth upconversion nanophosphors: synthesis, functionalization and application as biolabels and energy transfer donors. <i>Journal of Rare Earths</i> , 2010, 28, 807-819.	2.5	105
70	Sustainable and Facile Route to Nearly Monodisperse Spherical Aggregates of CeO <sub>2</sub> Nanocrystals with Ionic Liquids and Their Catalytic Activities for CO Oxidation. <i>Journal of Physical Chemistry C</i> , 2008, 112, 18405-18411.	1.5	101
71	Superparamagnetic and upconversion emitting Fe <sub>3</sub> O <sub>4</sub> /NaYF <sub>4</sub> :Yb,Er hetero-nanoparticles via a crosslinker anchoring strategy. <i>Chemical Communications</i> , 2010, 46, 5731.	2.2	101
72	Engineering the defect state and reducibility of ceria based nanoparticles for improved anti-oxidation performance. <i>Nanoscale</i> , 2015, 7, 13981-13990.	2.8	100

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73	Composition-Graded Cesium Lead Halide Perovskite Nanowires with Tunable Dual-Color Lasing Performance. <i>Advanced Materials</i> , 2018, 30, e1800596.	11.1	99
74	Iron Oxide Tube-in-Tube Nanostructures. <i>Journal of Physical Chemistry C</i> , 2007, 111, 13022-13027.	1.5	98
75	Improving Hematite's Solar Water Splitting Efficiency by Incorporating Rare-Earth Upconversion Nanomaterials. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 3188-3192.	2.1	98
76	Size control and photoluminescence enhancement of CdS nanoparticles prepared via reverse micelle method. <i>Solid State Communications</i> , 2002, 124, 45-48.	0.9	95
77	Adsorption and activation of molecular oxygen over atomic copper(I/II) site on ceria. <i>Nature Communications</i> , 2020, 11, 4008.	5.8	95
78	One-Step Synthesis of Large-Aspect-Ratio Single-Crystalline Gold Nanorods by Using CTPAB and CTBAB Surfactants. <i>Chemistry - A European Journal</i> , 2007, 13, 2929-2936.	1.7	94
79	Heteroepitaxial Growth of Core-Shell and Core-Multishell Nanocrystals Composed of Palladium and Gold. <i>Small</i> , 2010, 6, 2566-2575.	5.2	94
80	Minimizing the Heat Effect of Photodynamic Therapy Based on Inorganic Nanocomposites Mediated by 808 nm Near-Infrared Light. <i>Small</i> , 2017, 13, 1700038.	5.2	94
81	Rare earth activated nanosized oxide phosphors: synthesis and optical properties. <i>Journal of Luminescence</i> , 2000, 87-89, 447-450.	1.5	92
82	Ionic Liquid-Based Route to Spherical NaYF <sub>4</sub> Nanoclusters with the Assistance of Microwave Radiation and Their Multicolor Upconversion Luminescence. <i>Langmuir</i> , 2010, 26, 8797-8803.	1.6	91
83	Thickness Control Produces Gold Nanoplates with Their Plasmon in the Visible and Near-Infrared Regions. <i>Advanced Optical Materials</i> , 2016, 4, 76-85.	3.6	91
84	Plasmonic Percolation: Plasmon-Manifested Dielectric-to-Metal Transition. <i>ACS Nano</i> , 2012, 6, 7162-7171.	7.3	89
85	Atomically Efficient Synthesis of Self-assembled Monodisperse and Ultrathin Lanthanide Oxochloride Nanoplates. <i>Journal of the American Chemical Society</i> , 2009, 131, 3162-3163.	6.6	86
86	Attachment-Driven Morphology Evolvement of Rectangular ZnO Nanowires. <i>Journal of Physical Chemistry B</i> , 2005, 109, 8786-8790.	1.2	85
87	Size-controllable one-dimensional SnO <sub>2</sub> nanocrystals: synthesis, growth mechanism, and gas sensing property. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 4874.	1.3	85
88	Multifunctional upconversion nanoparticles-trimethylpyridylporphyrin-fullerene nanocomposite: a near-infrared light-triggered theranostic platform for imaging-guided photodynamic therapy. <i>NPG Asia Materials</i> , 2015, 7, e205-e205.	3.8	84
89	Gd-Dots with Strong Ligand-Water Interaction for Ultrasensitive Magnetic Resonance Renography. <i>ACS Nano</i> , 2017, 11, 3642-3650.	7.3	84
90	Uniform Alkaline Earth Fluoride Nanocrystals with Diverse Shapes Grown from Thermolysis of Metal Trifluoroacetates in Hot Surfactant Solutions. <i>Crystal Growth and Design</i> , 2009, 9, 2013-2019.	1.4	83

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91	Selective Cation Exchange Enabled Growth of Lanthanide Core/Shell Nanoparticles with Dissimilar Structure. <i>Journal of the American Chemical Society</i> , 2017, 139, 18492-18495.	6.6	83
92	Hierarchical Construction of ZnO Architectures Promoted by Heterogeneous Nucleation. <i>Crystal Growth and Design</i> , 2008, 8, 3609-3615.	1.4	81
93	Ytterbium stabilized ordered mesoporous titania for near-infrared photocatalysis. <i>Chemical Communications</i> , 2011, 47, 8109.	2.2	81
94	Luminescent Properties in Relation to Controllable Phase and Morphology of LuBO <sub>3</sub> :Eu <sup>3+</sup> Nano/Microcrystals Synthesized by Hydrothermal Approach. <i>Chemistry of Materials</i> , 2009, 21, 468-475.	3.2	80
95	Acetate-Mediated Growth of Drumlike YBO <sub>3</sub> :Eu <sup>3+</sup> Crystals. <i>Crystal Growth and Design</i> , 2004, 4, 517-520.	1.4	73
96	Shape Evolution of One-Dimensional Single-Crystalline ZnO Nanostructures in a Microemulsion System. <i>Crystal Growth and Design</i> , 2004, 4, 309-313.	1.4	67
97	Chitosan-coated cerium oxide nanocubes accelerate cutaneous wound healing by curtailing persistent inflammation. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 386-393.	3.0	67
98	Size dependence of luminescent properties for hexagonal YBO <sub>3</sub> :Eu nanocrystals in the vacuum ultraviolet region. <i>Journal of Applied Physics</i> , 2003, 93, 9783-9788.	1.1	66
99	Resonance Energy Transfer in Steady-State and Time-Decay Fluoro-Immunoassays for Lanthanide Nanoparticles Based on Biotin and Avidin Affinity. <i>Journal of Physical Chemistry C</i> , 2008, 112, 6589-6593.	1.5	66
100	Size-dependent microstructure and europium site preference influence fluorescent properties of Eu <sup>3+</sup> -doped Ca <sub>10</sub> (PO <sub>4</sub> ) <sub>6</sub> (OH) <sub>2</sub> nanocrystal. <i>Journal of Luminescence</i> , 2008, 128, 428-436.	1.5	65
101	NIR Ratiometric Luminescence Detection of pH Fluctuation in Living Cells with Hemicyanine Derivative-Assembled Upconversion Nanophosphors. <i>Analytical Chemistry</i> , 2017, 89, 8863-8869.	3.2	65
102	Correlation between Size-Dependent Luminescent Properties and Local Structure around Eu <sup>3+</sup> Ions in YBO <sub>3</sub> :Eu Nanocrystals: An XAFS Study. <i>Chemistry of Materials</i> , 2003, 15, 3011-3017.	3.2	64
103	Reversible luminescence switching of NaYF <sub>4</sub> :Yb,Er nanoparticles with controlled assembly of gold nanoparticles. <i>Chemical Communications</i> , 2009, , 2547.	2.2	63
104	Monazite and Zircon Type LaVO <sub>4</sub> :Eu Nanocrystals – Synthesis, Luminescent Properties, and Spectroscopic Identification of the Eu <sup>3+</sup> Sites. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 2626-2635.	1.0	63
105	Migrating photon avalanche in different emitters at the nanoscale enables 46th-order optical nonlinearity. <i>Nature Nanotechnology</i> , 2022, 17, 524-530.	15.6	63
106	Colour modification action of an upconversion photonic crystal. <i>Chemical Communications</i> , 2009, , 6616.	2.2	62
107	Double shelled hollow nanospheres with dual noble metal nanoparticle encapsulation for enhanced catalytic application. <i>Nanoscale</i> , 2013, 5, 9747.	2.8	62
108	Local Structure Engineering in Lanthanide-Doped Nanocrystals for Tunable Upconversion Emissions. <i>Journal of the American Chemical Society</i> , 2021, 143, 20546-20561.	6.6	62

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109	Solid-to-Hollow Single-Particle Manipulation of a Self-Assembled Luminescent NaYF <sub>4</sub> :Yb,Er Nanocrystal Monolayer by Electron-Beam Lithography. <i>Small</i> , 2009, 5, 2057-2060.	5.2	59
110	An Extra-Broadband VIS-NIR Emitting Phosphor toward Multifunctional LED Applications. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	59
111	Single-Crystalline and Near-Monodispersed NaMF <sub>3</sub> (M=Mn, Co, Ni, Mg) and LiAlF <sub>6</sub> (M=Ca, Sr) Nanocrystals from Cothermolysis of Multiple Trifluoroacetates in Solution. <i>Chemistry - an Asian Journal</i> , 2007, 2, 965-974.	1.7	57
112	Nanobubble-embedded inorganic 808-nm excited upconversion nanocomposites for tumor multiple imaging and treatment. <i>Chemical Science</i> , 2018, 9, 3141-3151.	3.7	53
113	Incorporation of Gold Nanorods and Their Enhancement of Fluorescence in Mesostructured Silica Thin Films. <i>Journal of Physical Chemistry C</i> , 2008, 112, 18895-18903.	1.5	52
114	Photon upconversion in Yb <sup>3+</sup> -Tb <sup>3+</sup> and Yb <sup>3+</sup> -Eu <sup>3+</sup> activated core/shell nanoparticles with dual-band excitation. <i>Journal of Materials Chemistry C</i> , 2016, 4, 4186-4192.	2.7	52
115	Scalable Direct Writing of Lanthanide-Doped KMnF <sub>3</sub> Perovskite Nanowires into Aligned Arrays with Polarized Up-Conversion Emission. <i>Nano Letters</i> , 2018, 18, 2964-2969.	4.5	52
116	Branched Gold Nanochains Facilitated by Polyvinylpyrrolidone and their SERS Effects on <i>p</i> -Aminothiophenol. <i>Journal of Physical Chemistry C</i> , 2008, 112, 16011-16016.	1.5	51
117	Upconversion emission studies of single particles. <i>Nano Today</i> , 2020, 35, 100956.	6.2	50
118	SnO <sub>2</sub> -ZnSn(OH) <sub>6</sub> : a novel binary affinity probe for global phosphopeptide detection. <i>Chemical Communications</i> , 2013, 49, 1762.	2.2	48
119	Synthesis and size dependent luminescent properties of hexagonal (Y,Gd)BO <sub>3</sub> :Eu nanocrystals. <i>Journal of Materials Chemistry</i> , 2002, 12, 3665-3670.	6.7	45
120	Fabrication and Characterization of Rare-Earth-Doped Nanostructures on Surfaces. <i>ACS Nano</i> , 2011, 5, 6539-6545.	7.3	44
121	Ultralow-power near-infrared excited neodymium-doped nanoparticles for long-term in vivo bioimaging. <i>Nanoscale</i> , 2017, 9, 4660-4664.	2.8	44
122	Nanophotonic energy storage in upconversion nanoparticles. <i>Nano Energy</i> , 2019, 56, 473-481.	8.2	43
123	Upconverted/downshifted NaLnF <sub>4</sub> and metal-organic framework heterostructures boosting NIR-II imaging-guided photodynamic immunotherapy toward tumors. <i>Nano Today</i> , 2022, 43, 101439.	6.2	43
124	Structure transition and enhanced photoluminescence of Gd <sub>2</sub> xYxO <sub>3</sub> :Eu nanocrystals. <i>Journal of Solid State Chemistry</i> , 2003, 171, 304-307.	1.4	42
125	Fundamental View of Electronic Structures of <sup>125</sup> NaYF <sub>4</sub> , <sup>125</sup> NaGdF <sub>4</sub> , and <sup>125</sup> NaLuF <sub>4</sub> . <i>Journal of Physical Chemistry C</i> , 2016, 120, 18858-18870.	1.5	42
126	Novel TiO <sub>2</sub> -Pt@SiO <sub>2</sub> nanocomposites with high photocatalytic activity. <i>Nanoscale</i> , 2012, 4, 3242.	2.8	41



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127	Intrinsically Active Surface in a Pt <sup>3</sup> -Mo <sub>2</sub> N Catalyst for the Water-Gas Shift Reaction: Molybdenum Nitride or Molybdenum Oxide?. <i>Journal of the American Chemical Society</i> , 2020, 142, 13362-13371.	6.6	41
128	Facile synthesis of Au embedded CuO <sub>x</sub> -CeO <sub>2</sub> core/shell nanospheres as highly reactive and sinter-resistant catalysts for catalytic hydrogenation of p-nitrophenol. <i>Nano Research</i> , 2020, 13, 2044-2055.	5.8	39
129	Green Facile Scalable Synthesis of Titania/Carbon Nanocomposites: New Use of Old Dental Resins. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 18461-18468.	4.0	38
130	All-Inorganic Manganese-Based CsMnCl <sub>3</sub> Nanocrystals for X-Ray Imaging. <i>Advanced Science</i> , 2022, 9, e2201354.	5.6	37
131	Facile Scalable Synthesis of TiO <sub>2</sub> /Carbon Nanohybrids with Ultrasmall TiO <sub>2</sub> Nanoparticles Homogeneously Embedded in Carbon Matrix. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 24247-24255.	4.0	36
132	Silicon Oxycarbide/Carbon Nanohybrids with Tiny Silicon Oxycarbide Particles Embedded in Free Carbon Matrix Based on Photoactive Dental Methacrylates. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 13982-13992.	4.0	36
133	Pt-embedded-CeO <sub>2</sub> hollow spheres for enhancing CO oxidation performance. <i>Materials Chemistry Frontiers</i> , 2017, 1, 1754-1763.	3.2	36
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