

# 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	An Extra-Broadband VIS-NIR Emitting Phosphor toward Multifunctional LED Applications. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	59
2	An Extra-Broadband VIS-NIR Emitting Phosphor toward Multifunctional LED Applications ( <i>Adv. Funct. Mater.</i> )	7.8	0
3	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
4	All-Inorganic Manganese-Based CsMnCl <sub>3</sub> Nanocrystals for X-Ray Imaging. <i>Advanced Science</i> , 2022, 9, e2201354.	5.6	37
5	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
6	Design, Identification, and Evolution of a Surface Ruthenium(II/III) Single Site for CO Activation. <i>Angewandte Chemie</i> , 2021, 133, 1232-1239.	1.6	0
7	Design, Identification, and Evolution of a Surface Ruthenium(II/III) Single Site for CO Activation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1212-1219.	7.2	8
8	An overview of rare earth coupled lead halide perovskite and its application in photovoltaics and light emitting devices. <i>Progress in Materials Science</i> , 2021, 120, 100737.	16.0	35
9	Networking State of Ytterbium Ions Probing the Origin of Luminescence Quenching and Activation in Nanocrystals. <i>Advanced Science</i> , 2021, 8, 2003325.	5.6	31
10	Desilylation Induced by Metal Fluoride Nanocrystals Enables Cleavage Chemistry In Vivo. <i>Journal of the American Chemical Society</i> , 2021, 143, 2250-2255.	6.6	16
11	Upconversion Fluorescence Resonance Energy Transfer Aptasensors for H5N1 Influenza Virus Detection. <i>ACS Omega</i> , 2021, 6, 15236-15245.	1.6	19
12	Lanthanide Upconverted Microlasing: Microlasing Spanning Full Visible Spectrum to Near-Infrared under Low Power, CW Pumping. <i>Small</i> , 2021, 17, e2103140.	5.2	7
13	Highly Polarized Upconversion Emissions from Lanthanide-Doped LiYF <sub>4</sub> Crystals as Spatial Orientation Indicators. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 11288-11294.	2.1	14
14	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
15	Improvement in the stability of <sup>3</sup> -CsPbI <sub>3</sub> nanowires enabled by lattice immobilization through the Pb-O anchor in SBA-15. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 4572-4579.	3.0	4
16	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
17	Adsorption and activation of molecular oxygen over atomic copper(I/II) site on ceria. <i>Nature Communications</i> , 2020, 11, 4008.	5.8	95
18	Upconversion emission studies of single particles. <i>Nano Today</i> , 2020, 35, 100956.	6.2	50

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19	Carrier transport composites with suppressed glass-transition for stable planar perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2020, 8, 14106-14113.	5.2	18
20	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
21	Experimental and Simulation Insights into Local Structure and Luminescence Evolution in Eu <sup>3+</sup> -Doped Nanocrystals under High Pressure. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 3515-3520.	2.1	20
22	Lanthanide-Doped Upconversion Nanoparticles for Super-Resolution Microscopy. <i>Frontiers in Chemistry</i> , 2020, 8, 619377.	1.8	28
23	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
24	Crystallization of Gd <sub>2</sub> O <sub>3</sub> nanoparticles: evolution of the microstructure via electron-beam manipulation. <i>Nanoscale</i> , 2019, 11, 14952-14958.	2.8	2
25	Regulation of the cellular uptake of nanoparticles by the orientation of helical polypeptides. <i>Nano Research</i> , 2019, 12, 889-896.	5.8	14
26	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
27	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
28	Nanophotonic energy storage in upconversion nanoparticles. <i>Nano Energy</i> , 2019, 56, 473-481.	8.2	43
29	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
30	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
31	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
32	Measuring Activation and Luminescence Time Scales of Upconverting NaYF <sub>4</sub> :Yb,Er Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2018, 122, 23780-23789.	1.5	6
33	Pt-Embedded CuO <sub>x</sub> -CeO <sub>2</sub> Multicore-Shell Composites: Interfacial Redox Reaction-Directed Synthesis and Composition-Dependent Performance for CO Oxidation. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 34172-34183.	4.0	29
34	Phase segregation enabled scandium fluoride-lanthanide fluoride Janus nanoparticles. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 1800-1804.	3.0	5
35	Composition-Graded Cesium Lead Halide Perovskite Nanowires with Tunable Dual-Color Lasing Performance. <i>Advanced Materials</i> , 2018, 30, e1800596.	11.1	99
36	Composition-tuned oxidation levels of Pt-Re bimetallic nanoparticles for the etherification of allylic alcohols. <i>Nano Research</i> , 2018, 11, 5902-5912.	5.8	3

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37	Investigations on multi-photon emissions of Nd <sup>3+</sup> -sensitized core/shell nanoparticles. <i>Journal of Rare Earths</i> , 2017, 35, 1-6.	2.5	13
38	Versatile Spectral and Lifetime Multiplexing Nanoplatform with Excitation Orthogonalized Upconversion Luminescence. <i>ACS Nano</i> , 2017, 11, 3289-3297.	7.3	237
39	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
40	Self-sacrificed two-dimensional REO(CH <sub>3</sub> COO) template-assisted synthesis of ultrathin rare earth oxide nanoplates. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 1182-1186.	3.0	5
41	Photodynamic Therapy: Minimizing the Heat Effect of Photodynamic Therapy Based on Inorganic Nanocomposites Mediated by 808 nm Near-Infrared Light ( <i>Small</i> 21/2017). <i>Small</i> , 2017, 13, .	5.2	0
42	Interface formation energy, bonding, energy band alignment in $\text{Ln-NaYF}_4$ related core shell models: For future multi-layer core shell luminescence materials. <i>Journal of Rare Earths</i> , 2017, 35, 315-334.	2.5	7
43	Gd-Dots with Strong Ligand-Water Interaction for Ultrasensitive Magnetic Resonance Renography. <i>ACS Nano</i> , 2017, 11, 3642-3650.	7.3	84
44	Ultralow-power near-infrared excited neodymium-doped nanoparticles for long-term in vivo bioimaging. <i>Nanoscale</i> , 2017, 9, 4660-4664.	2.8	44
45	Heterogeneous synergistic catalysis by Ru-RuO <sub>x</sub> nanoparticles for Se-Se bond activation. <i>Nano Research</i> , 2017, 10, 922-932.	5.8	18
46	<i>In situ</i> epitaxial growth of GdF <sub>3</sub> on NaGdF <sub>4</sub> :Yb,Er nanoparticles. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 2119-2125.	3.0	4
47	Design and validation of a new ratiometric intracellular pH imaging probe using lanthanide-doped upconverting nanoparticles. <i>Dalton Transactions</i> , 2017, 46, 13957-13965.	1.6	27
48	Heterodimers Made of Upconversion Nanoparticles and Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2017, 139, 13804-13810.	6.6	147
49	A-Site Cation Effect on Growth Thermodynamics and Photoconductive Properties in Ultrapure Lead Iodine Perovskite Monocrystalline Wires. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 25985-25994.	4.0	14
50	Moderate oxidation levels of Ru nanoparticles enhance molecular oxygen activation for cross-dehydrogenative-coupling reactions via single electron transfer. <i>RSC Advances</i> , 2017, 7, 33078-33085.	1.7	14
51	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
52	Unravelling the energy transfer of Er <sup>3+</sup> -self-sensitized upconversion in Er <sup>3+</sup> -Yb <sup>3+</sup> -Er <sup>3+</sup> clustered core@shell nanoparticles. <i>Nanoscale</i> , 2017, 9, 18490-18497.	2.8	10
53	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
54	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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55	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
56	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
57	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
58	Ceria-Based Nanocatalysts: Recent Progress in Well-Controlled Synthesis of Ceria-Based Nanocatalysts towards Enhanced Catalytic Performance ( <i>Adv. Energy Mater.</i> 17/2016). <i>Advanced Energy Materials</i> , 2016, 6, .	10.2	1
59	Fundamental View of Electronic Structures of $\text{f}^2\text{-NaYF}_4$ , $\text{f}^2\text{-NaGdF}_4$ , and $\text{f}^2\text{-NaLuF}_4$ . <i>Journal of Physical Chemistry C</i> , 2016, 120, 18858-18870.	1.5	42
60	Lanthanide Nanoparticles. <i>Fundamental Theories of Physics</i> , 2016, , 301-335.	0.1	3
61	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
62	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
63	Hydrophilic CeO <sub>2</sub> nanocubes protect pancreatic $\text{f}^2$ -cell line INS-1 from H <sub>2</sub> O <sub>2</sub> -induced oxidative stress. <i>Nanoscale</i> , 2016, 8, 7923-7932.	2.8	32
64	Template-free synthesis of titania architectures with controlled morphology evolution. <i>Journal of Materials Science</i> , 2016, 51, 3941-3956.	1.7	8
65	Porous titania/carbon hybrid microspheres templated by in situ formed polystyrene colloids. <i>Journal of Colloid and Interface Science</i> , 2016, 469, 242-256.	5.0	5
66	Noble metal plasmonic nanostructure related chromisms. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 203-217.	3.0	12
67	TbF <sub>3</sub> nanoparticles as dual-mode contrast agents for ultrahigh field magnetic resonance imaging and X-ray computed tomography. <i>Nano Research</i> , 2016, 9, 1135-1147.	5.8	33
68	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
69	Upconversion of Rare Earth Nanomaterials. <i>Annual Review of Physical Chemistry</i> , 2015, 66, 619-642.	4.8	127
70	Rare Earth Based Anisotropic Nanomaterials: Synthesis, Assembly, and Applications. <i>Nanoscience and Technology</i> , 2015, , 157-208.	1.5	0
71	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
72	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

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73	Lanthanide Nanoparticles: From Design toward Bioimaging and Therapy. <i>Chemical Reviews</i> , 2015, 115, 10725-10815.	23.0	946
74	Solvothermal synthesis of hierarchical Eu <sub>2</sub> O <sub>3</sub> nanostructures templated by PS-b-PMAA: morphology control via simple variation of water contents. <i>Journal of Materials Chemistry A</i> , 2015, 3, 5789-5793.	5.2	7
75	PAA-capped GdF <sub>3</sub> nanoplates as dual-mode MRI and CT contrast agents. <i>Science Bulletin</i> , 2015, 60, 1092-1100.	4.3	34
76	Efficient Tailoring of Upconversion Selectivity by Engineering Local Structure of Lanthanides in NaREF <sub>3</sub> Nanocrystals. <i>Journal of the American Chemical Society</i> , 2015, 137, 6569-6576.	6.6	154
77	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
78	Energy transfer in lanthanide upconversion studies for extended optical applications. <i>Chemical Society Reviews</i> , 2015, 44, 1608-1634.	18.7	859
79	Photon energy upconversion through thermal radiation with the power efficiency reaching 16%. <i>Nature Communications</i> , 2014, 5, 5669.	5.8	111
80	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
81	Porous Pd nanoparticles with high photothermal conversion efficiency for efficient ablation of cancer cells. <i>Nanoscale</i> , 2014, 6, 4345-4351.	2.8	139
82	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
83	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
84	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
85	Double shelled hollow nanospheres with dual noble metal nanoparticle encapsulation for enhanced catalytic application. <i>Nanoscale</i> , 2013, 5, 9747.	2.8	62
86	TWO-DIMENSIONAL AND THREE-DIMENSIONAL CERIA-BASED NANOARCHITECTURES. <i>Catalytic Science Series</i> , 2013, , 295-359.	0.6	1
87	Generalized Synthesis of Mesoporous Rare Earth Oxide Thin Films through Amphiphilic Ionic Block Copolymer Templating. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 1251-1257.	1.0	8
88	Construction of NaREF <sub>4</sub> -based binary and bilayer nanocrystal assemblies. <i>Chemical Communications</i> , 2013, 49, 5799.	2.2	12
89	Basic understanding of the lanthanide related upconversion emissions. <i>Nanoscale</i> , 2013, 5, 5703.	2.8	203
90	Plasmonic Harvesting of Light Energy for Suzuki Coupling Reactions. <i>Journal of the American Chemical Society</i> , 2013, 135, 5588-5601.	6.6	597

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91	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
92	Nanorods-assembled CeVO <sub>4</sub> hollow spheres as active catalyst for oxidative dehydrogenation of propane. <i>Materials Research Bulletin</i> , 2013, 48, 1122-1127.	2.7	32
93	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
94	Novel TiO <sub>2</sub> -Pt@SiO <sub>2</sub> nanocomposites with high photocatalytic activity. <i>Nanoscale</i> , 2012, 4, 3242.	2.8	41
95	Interfacial growth behavior of SnO <sub>2</sub> nanorods on {112̄,0} and {101̄,0} facets of Fe <sub>2</sub> O <sub>3</sub> . <i>Nanoscale</i> , 2012, 4, 5092.	2.8	8
96	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
97	Plasmonic Percolation: Plasmon-Manifested Dielectric-to-Metal Transition. <i>ACS Nano</i> , 2012, 6, 7162-7171.	7.3	89
98	Porous Single-Crystalline Palladium Nanoparticles with High Catalytic Activities. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 4872-4876.	7.2	206
99	Selective Heteroepitaxial Nanocrystal Growth of Rare Earth Fluorides on Sodium Chloride: Synthesis and Density Functional Calculations. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8796-8799.	7.2	28
100	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
101	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
102	Photoswitchable Upconversion Luminescence of Rare-Earth Nanophosphors with Covalently Grafted Spiropyran. <i>Chemistry - an Asian Journal</i> , 2012, 7, 2225-2229.	1.7	23
103	Ytterbium stabilized ordered mesoporous titania for near-infrared photocatalysis. <i>Chemical Communications</i> , 2011, 47, 8109.	2.2	81
104	Role of Surface Ligands in the Nanoparticle Assemblies: A Case Study of Regularly Shaped Colloidal Crystals Composed of Sodium Rare Earth Fluoride. <i>Langmuir</i> , 2011, 27, 3343-3347.	1.6	23
105	Fabrication and Characterization of Rare-Earth-Doped Nanostructures on Surfaces. <i>ACS Nano</i> , 2011, 5, 6539-6545.	7.3	44
106	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
107	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
108	Fluorescent-magnetic nanocrystals: synthesis and property of YPv <sub>1-x</sub> O <sub>4</sub> :Eu@GdPO <sub>4</sub> core/shell structure. <i>Nanoscale</i> , 2011, 3, 1977.	2.8	30

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109	Thermally Stable Pt/CeO <sub>2</sub> Hetero-Nanocomposites with High Catalytic Activity. Journal of the American Chemical Society, 2010, 132, 4998-4999.	6.6	187
110	Synthesis and assembly of rare earth nanostructures directed by the principle of coordination chemistry in solution-based process. Coordination Chemistry Reviews, 2010, 254, 1038-1053.	9.5	150
111	Monazite and Zircon Type LaVO <sub>4</sub> :Eu Nanocrystals – Synthesis, Luminescent Properties, and Spectroscopic Identification of the Eu <sup>3+</sup> Sites. European Journal of Inorganic Chemistry, 2010, 2010, 2626-2635.	1.0	63
112	Biocompatible Bright YVO <sub>4</sub> :Eu Nanoparticles as Versatile Optical Bioprobes. Advanced Functional Materials, 2010, 20, 3708-3714.	7.8	151
113	Biocompatible Bright YVO <sub>4</sub> :Eu Nanoparticles as Versatile Optical Bioprobes. Advanced Functional Materials, 2010, 20, 3707-3707.	7.8	4
114	Luminescence Modulation of Ordered Upconversion Nanopatterns by a Photochromic Diarylethene: Rewritable Optical Storage with Nondestructive Readout. Advanced Materials, 2010, 22, 633-637.	11.1	192
115	Plasmon–molecule interactions. Nano Today, 2010, 5, 494-505.	6.2	193
116	Rare earth upconversion nanophosphors: synthesis, functionalization and application as biolabels and energy transfer donors. Journal of Rare Earths, 2010, 28, 807-819.	2.5	105
117	Heteroepitaxial Growth of Core–Shell and Core–Multishell Nanocrystals Composed of Palladium and Gold. Small, 2010, 6, 2566-2575.	5.2	94
118	Assembly of upconversion NaREF <sub>4</sub> nanocrystals. , 2010, , .		0
119	Colloidal synthesis and blue based multicolor upconversion emissions of size and composition controlled monodisperse hexagonal NaYF <sub>4</sub> :Yb,Tm nanocrystals. Nanoscale, 2010, 2, 953.	2.8	221
120	Ionic Liquid-Based Route to Spherical NaYF <sub>4</sub> Nanoclusters with the Assistance of Microwave Radiation and Their Multicolor Upconversion Luminescence. Langmuir, 2010, 26, 8797-8803.	1.6	91
121	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. Chemical Communications, 2010, 46, 5731.	2.2	101
122	Luminescence resonance energy transfer based on <sup>125</sup> NaYF <sub>4</sub> :Yb,Er nanoparticles and TRITC dye. Science in China Series B: Chemistry, 2009, 52, 1590-1595.	0.8	15
123	Functional-template directed self-assembly (FTDSA) of mesostructured organic-inorganic hybrid materials. Science in China Series B: Chemistry, 2009, 52, 1759-1768.	0.8	1
124	Plasmon Coupling in Clusters Composed of Two-Dimensionally Ordered Gold Nanocubes. Small, 2009, 5, 2111-2119.	5.2	119
125	Solid–Hollow Single-Particle Manipulation of a Self-Assembled Luminescent NaYF <sub>4</sub> :Yb,Er Nanocrystal Monolayer by Electron-Beam Lithography. Small, 2009, 5, 2057-2060.	5.2	59
126	Controlled synthesis and assembly of ceria-based nanomaterials. Journal of Colloid and Interface Science, 2009, 335, 151-167.	5.0	229



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127	Growth of Tetrahedral Gold Nanocrystals with High-Index Facets. <i>Journal of the American Chemical Society</i> , 2009, 131, 16350-16351.	6.6	357
128	Atomically Efficient Synthesis of Self-assembled Monodisperse and Ultrathin Lanthanide Oxide Nanoplates. <i>Journal of the American Chemical Society</i> , 2009, 131, 3162-3163.	6.6	86
129	Highly Luminescent Self-Organized Sub-2-nm EuOF Nanowires. <i>Journal of the American Chemical Society</i> , 2009, 131, 16364-16365.	6.6	119
130	Self-Assembled Ferromagnetic Monodisperse Manganese Oxide Nanoplates Synthesized by a Modified Nonhydrolytic Approach. <i>Journal of Physical Chemistry C</i> , 2009, 113, 6521-6528.	1.5	15
131	Mesostructured Hybrids Containing Potential Donors and Acceptors with Molecular-Scale and Meso-Scale Segregation and Ordering: Toward the Development of Smart Materials through Hierarchical Self-Assembly. <i>Chemistry of Materials</i> , 2009, 21, 4589-4597.	3.2	18
132	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
133	Optically active uniform potassium and lithium rare earth fluoride nanocrystals derived from metal trifluoroacetate precursors. <i>Dalton Transactions</i> , 2009, , 8574.	1.6	113
134	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
135	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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