

Yongsheng Liu

List of Publications by Citations

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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.

68

papers

7,560

citations

38

h-index

71

g-index

71

ext. papers

8,201

ext. citations

7.9

avg, IF

5.89

L-index

#	Paper	IF	Citations
68	Upconversion nanoparticles in biological labeling, imaging, and therapy. <i>Analyst, The</i> , 2010 , 135, 1839-545		1159
67	Highly efficient non-rare-earth red emitting phosphor for warm white light-emitting diodes. <i>Nature Communications</i> , 2014 , 5, 4312	17.4	898
66	Lanthanide-doped luminescent nanoprobes: controlled synthesis, optical spectroscopy, and bioapplications. <i>Chemical Society Reviews</i> , 2013 , 42, 6924-58	58.5	679
65	A strategy to achieve efficient dual-mode luminescence of Eu(3+) in lanthanides doped multifunctional NaGdF(4) nanocrystals. <i>Advanced Materials</i> , 2010 , 22, 3266-71	24	532
64	Stabilizing Cesium Lead Halide Perovskite Lattice through Mn(II) Substitution for Air-Stable Light-Emitting Diodes. <i>Journal of the American Chemical Society</i> , 2017 , 139, 11443-11450	16.4	524
63	Amine-functionalized lanthanide-doped KGdF4 nanocrystals as potential optical/magnetic multimodal bioprobes. <i>Journal of the American Chemical Society</i> , 2012 , 134, 1323-30	16.4	353
62	Time-resolved FRET biosensor based on amine-functionalized lanthanide-doped NaYF4 nanocrystals. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 6306-10	16.4	283
61	Optical Spectroscopy of Eu3+ Doped ZnO Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 686-698	9.8	207
60	Amine-functionalized lanthanide-doped zirconia nanoparticles: optical spectroscopy, time-resolved fluorescence resonance energy transfer biodetection, and targeted imaging. <i>Journal of the American Chemical Society</i> , 2012 , 134, 15083-90	16.4	203
59	Breakdown of crystallographic site symmetry in lanthanide-doped NaYF4 crystals. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 1128-33	16.4	185
58	Controlled Synthesis of Ag2S Quantum Dots and Experimental Determination of the Exciton Bohr Radius. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 4918-4923	3.8	170
57	Sub-10 nm lanthanide-doped CaF2 nanoprobes for time-resolved luminescent biodetection. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 6671-6	16.4	168
56	Lanthanide-doped luminescent nano-bioprobes: from fundamentals to biodetection. <i>Nanoscale</i> , 2013 , 5, 1369-84	7.7	153
55	Optical Spectroscopy of Eu3+-Doped BaFCl Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 2309-2315	9.2	107
54	Lanthanide-doped LiYF4 nanoparticles: Synthesis and multicolor upconversion tuning. <i>Comptes Rendus Chimie</i> , 2010 , 13, 731-736	2.7	105
53	Lanthanide-doped multicolor GdF3 nanocrystals for time-resolved photoluminescent biodetection. <i>Chemistry - A European Journal</i> , 2011 , 17, 8549-54	4.8	100
52	Er3+ -doped anatase TiO2 nanocrystals: crystal-field levels, excited-state dynamics, upconversion, and defect luminescence. <i>Small</i> , 2011 , 7, 3046-56	11	99

51	Spectroscopic evidence of the multiple- site structure of Eu(3+) ions incorporated in ZnO nanocrystals. <i>Optics Letters</i> , 2007 , 32, 566-8	3	82
50	Luminescent biodetection based on lanthanide-doped inorganic nanoprobcs. <i>Coordination Chemistry Reviews</i> , 2014 , 273-274, 13-29	23.2	81
49	Eu3+ doped KYF4 nanocrystals: synthesis, electronic structure, and optical properties. <i>Nanoscale</i> , 2011 , 3, 3164-9	7.7	79
48	Tumor Marker Detection: Ultrasensitive Luminescent In Vitro Detection for Tumor Markers Based on Inorganic Lanthanide Nano-Bioprobes (Adv. Sci. 11/2016). <i>Advanced Science</i> , 2016 , 3,	13.6	78
47	Manganese-Doped Ag2S-ZnS Heteronanostructures. <i>Chemistry of Materials</i> , 2012 , 24, 2407-2413	9.6	76
46	Controlled synthesis and optical spectroscopy of lanthanide-doped KLaF ₄ nanocrystals. <i>Nanoscale</i> , 2012 , 4, 4485-91	7.7	74
45	Lanthanide-doped NaScF ₄ nanoprobcs: crystal structure, optical spectroscopy and biodetection. <i>Nanoscale</i> , 2013 , 5, 6430-8	7.7	70
44	Eu3+-Doped In2O3 Nanophosphors: Electronic Structure and Optical Characterization. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 9314-9321	3.8	68
43	Visible-to-infrared quantum cutting by phonon-assisted energy transfer in YPO ₄ :Tm(3+), Yb(3+) phosphors. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 6974-80	3.6	63
42	upconverting/downshifting luminescent detection of tumor markers based on Eu-activated core-shell-shell lanthanide nanoprobcs. <i>Chemical Science</i> , 2016 , 7, 5013-5019	9.4	59
41	Lanthanide-doped semiconductor nanocrystals: electronic structures and optical properties. <i>Science China Materials</i> , 2015 , 58, 819-850	7.1	56
40	Optical spectroscopy of lanthanides doped in wide band-gap semiconductor nanocrystals. <i>Journal of Luminescence</i> , 2011 , 131, 415-422	3.8	54
39	Near-infrared luminescence of Nd3+ and Tm3+ ions doped ZnO nanocrystals. <i>Optics Express</i> , 2009 , 17, 9748-53	3.3	54
38	Optical properties of Nd3+ ion-doped ZnO nanocrystals. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 1871-6	1.3	49
37	Poly (acrylic acid)-capped lanthanide-doped BaFCl nanocrystals: synthesis and optical properties. <i>Nanoscale</i> , 2010 , 2, 1208-12	7.7	44
36	Optical/magnetic multimodal bioprobes based on lanthanide-doped inorganic nanocrystals. <i>Chemistry - A European Journal</i> , 2013 , 19, 5516-27	4.8	43
35	Lanthanide-Doped Luminescent Nanomaterials. <i>Nanomedicine and Nanotoxicology</i> , 2014 ,	0.3	42
34	Persistent luminescence from Eu(3+) in SnO ₂ nanoparticles. <i>Nanoscale</i> , 2015 , 7, 11048-54	7.7	42

33	From Nonluminescent to Blue-Emitting Cs PbBr Nanocrystals: Tailoring the Insulator Bandgap of OD Perovskite through Sn Cation Doping. <i>Advanced Materials</i> , 2019 , 31, e1900606	24	40
32	Breakdown of Crystallographic Site Symmetry in Lanthanide-Doped NaYF ₄ Crystals. <i>Angewandte Chemie</i> , 2013 , 125, 1166-1171	3.6	40
31	Manipulating energy transfer in lanthanide-doped single nanoparticles for highly enhanced upconverting luminescence. <i>Chemical Science</i> , 2017 , 8, 5050-5056	9.4	38
30	Optical Spectroscopy of Sm ³⁺ and Dy ³⁺ Doped ZnO Nanocrystals. <i>Spectroscopy Letters</i> , 2010 , 43, 343-349	4.1	38
29	Sub-10 nm Lanthanide-Doped CaF ₂ Nanoprobes for Time-Resolved Luminescent Biodetection. <i>Angewandte Chemie</i> , 2013 , 125, 6803-6808	3.6	37
28	A general strategy for tailoring upconversion luminescence in lanthanide-doped inorganic nanocrystals through local structure engineering. <i>Nanoscale</i> , 2018 , 10, 9353-9359	7.7	32
27	Lanthanide-doped Sr ₂ YF ₇ nanoparticles: controlled synthesis, optical spectroscopy and biodetection. <i>Nanoscale</i> , 2014 , 6, 11098-105	7.7	32
26	Recent Progress on Spectroscopy of Lanthanide Ions Incorporated in Semiconductor Nanocrystals. <i>Journal of Rare Earths</i> , 2007 , 25, 515-525	3.7	32
25	Time-Resolved FRET Biosensor Based on Amine-Functionalized Lanthanide-Doped NaYF ₄ Nanocrystals. <i>Angewandte Chemie</i> , 2011 , 123, 6430-6434	3.6	31
24	Dissolution-enhanced luminescent bioassay based on inorganic lanthanide nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 12498-502	16.4	30
23	Biodegradable Inorganic Upconversion Nanocrystals for Applications. <i>ACS Nano</i> , 2020 ,	16.7	24
22	Ultrasensitive Luminescent In Vitro Detection for Tumor Markers Based on Inorganic Lanthanide Nano-Bioprobes. <i>Advanced Science</i> , 2016 , 3, 1600197	13.6	24
21	Lanthanide-doped inorganic nanocrystals as luminescent biolabels. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2012 , 15, 580-94	1.3	23
20	Cation-doping matters in caesium lead halide perovskite nanocrystals: from physicochemical fundamentals to optoelectronic applications. <i>Nanoscale</i> , 2020 , 12, 12228-12248	7.7	20
19	Sensitized luminescence of Sm ³⁺ ,Eu(3+)-codoped TiO ₂ nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 1693-8	1.3	14
18	Dissolution-Enhanced Luminescent Bioassay Based on Inorganic Lanthanide Nanoparticles. <i>Angewandte Chemie</i> , 2014 , 126, 12706-12710	3.6	12
17	Lanthanide-Doped KGd ₂ F ₇ Nanocrystals: Controlled Synthesis, Optical Properties, and Spectroscopic Identification of the Optimum Core/Shell Architecture for Highly Enhanced Upconverting Luminescence. <i>Crystal Growth and Design</i> , 2019 , 19, 2340-2349	3.5	10
16	Peasecod-Like Hollow Upconversion Nanocrystals with Excellent Optical Thermometric Performance. <i>Advanced Science</i> , 2020 , 7, 2000731	13.6	8

15	Constructing All-Inorganic Perovskite/Fluoride Nanocomposites for Efficient and Ultra-Stable Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2106386	15.6	8
14	Optical spectroscopy of Eu ³⁺ ions in tetragonal ZrO ₂ nanocrystals. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 9445-50	1.3	7
13	One-step synthesis and optical properties of water-soluble and amine-functionalized Dy ³⁺ -doped BaFCl nanocrystals. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 9478-83	1.3	4
12	A Microporous Metal-Organic Framework for Efficient C ₂ H ₂ /CO ₂ and C ₂ H ₆ /CH ₄ Separation. <i>Crystal Growth and Design</i> , 2021, 21, 2277-2282	3.5	3
11	Local-structure-dependent luminescence in lanthanide-doped inorganic nanocrystals for biological applications. <i>Chemical Communications</i> , 2021, 57, 2970-2981	5.8	3
10	Bioimaging Based on Lanthanide-Doped Nanoprobes. <i>Nanomedicine and Nanotoxicology</i> , 2014, 145-164	0.3	2
9	Activating Surface Dark Emitters in Lanthanide-Doped Ultrasmall Nanoparticles for Biological Applications Based on Interparticle Energy Transfer. <i>CCS Chemistry</i> , 2021, 3, 2155-2163	7.2	2
8	Surface Modification Chemistry of Lanthanide-Doped Nanoparticles. <i>Nanomedicine and Nanotoxicology</i> , 2014, 59-74	0.3	1
7	Optical Spectroscopy of Lanthanide-Doped Nanoparticles. <i>Nanomedicine and Nanotoxicology</i> , 2014, 75-103	0.3	1
6	Photon upconversion of all-inorganic CsPbX ₃ quantum dots based on fluorescence resonance energy transfer in hetero-structured perovskite/upconversion nanocomposites. <i>Journal of Luminescence</i> , 2022, 242, 118565	3.8	1
5	Size Effect on the Luminescence of Lanthanide Ions in Nanoparticles. <i>Nanomedicine and Nanotoxicology</i> , 2014, 17-42	0.3	1
4	Exploring the surface-to-volume ratio in ultrasmall nanocrystals using the optical probe of Eu ion. <i>Chemical Communications</i> , 2020, 56, 14725-14728	5.8	1
3	Lanthanide-based NIR-II Fluorescent Nanoprobes and Their Biomedical Applications?. <i>Acta Chimica Sinica</i> , 2022, 80, 542	3.3	1
2	Blue-emitting 0D Cs ₃ ZnX ₅ (X = Cl, Br) perovskite nanocrystals based on self-trapped excitons. <i>Journal of Luminescence</i> , 2022, 249, 119048	3.8	1
1	Multimodal Biosensing Based on Lanthanide-Doped Nano-bioprobes. <i>Nanomedicine and Nanotoxicology</i> , 2014, 165-187	0.3	