

Yongsheng Liu

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.

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	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
67	Lanthanide-based NIR-II Fluorescent Nanoprobes and Their Biomedical Applications?. <i>Acta Chimica Sinica</i> , 2022 , 80, 542	3.3	1
66	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
65	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
64	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
63	Local-structure-dependent luminescence in lanthanide-doped inorganic nanocrystals for biological applications. <i>Chemical Communications</i> , 2021 , 57, 2970-2981	5.8	3
62	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
61	Peasecod-Like Hollow Upconversion Nanocrystals with Excellent Optical Thermometric Performance. <i>Advanced Science</i> , 2020 , 7, 2000731	13.6	8
60	Biodegradable Inorganic Upconversion Nanocrystals for Applications. <i>ACS Nano</i> , 2020 ,	16.7	24
59	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
58	From Nonluminescent to Blue-Emitting Cs PbBr Nanocrystals: Tailoring the Insulator Bandgap of 0D Perovskite through Sn Cation Doping. <i>Advanced Materials</i> , 2019 , 31, e1900606	24	40
57	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
56	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
55	Manipulating energy transfer in lanthanide-doped single nanoparticles for highly enhanced upconverting luminescence. <i>Chemical Science</i> , 2017 , 8, 5050-5056	9.4	38
54	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
53	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
52	Ultrasensitive Luminescent In Vitro Detection for Tumor Markers Based on Inorganic Lanthanide Nano-Bioprobes. <i>Advanced Science</i> , 2016 , 3, 1600197	13.6	24

51	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
50	Lanthanide-doped semiconductor nanocrystals: electronic structures and optical properties. <i>Science China Materials</i> , 2015 , 58, 819-850	7.1	56
49	Persistent luminescence from Eu(3+) in SnO2 nanoparticles. <i>Nanoscale</i> , 2015 , 7, 11048-54	7.7	42
48	Bioimaging Based on Lanthanide-Doped Nanoprobcs. <i>Nanomedicine and Nanotoxicology</i> , 2014 , 145-164	0.3	2
47	Lanthanide-doped Sr2YF7 nanoparticles: controlled synthesis, optical spectroscopy and biodetection. <i>Nanoscale</i> , 2014 , 6, 11098-105	7.7	32
46	Lanthanide-Doped Luminescent Nanomaterials. <i>Nanomedicine and Nanotoxicology</i> , 2014 ,	0.3	42
45	Highly efficient non-rare-earth red emitting phosphor for warm white light-emitting diodes. <i>Nature Communications</i> , 2014 , 5, 4312	17.4	898
44	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
43	Dissolution-enhanced luminescent bioassay based on inorganic lanthanide nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 12498-502	16.4	30
42	Dissolution-Enhanced Luminescent Bioassay Based on Inorganic Lanthanide Nanoprobcs. <i>Angewandte Chemie</i> , 2014 , 126, 12706-12710	3.6	12
41	Surface Modification Chemistry of Lanthanide-Doped Nanoprobcs. <i>Nanomedicine and Nanotoxicology</i> , 2014 , 59-74	0.3	1
40	Multimodal Biosensing Based on Lanthanide-Doped Nano-bioprobcs. <i>Nanomedicine and Nanotoxicology</i> , 2014 , 165-187	0.3	
39	Optical Spectroscopy of Lanthanide-Doped Nanoprobcs. <i>Nanomedicine and Nanotoxicology</i> , 2014 , 75-103		1
38	Luminescent biodetection based on lanthanide-doped inorganic nanoprobcs. <i>Coordination Chemistry Reviews</i> , 2014 , 273-274, 13-29	23.2	81
37	Size Effect on the Luminescence of Lanthanide Ions in Nanoprobcs. <i>Nanomedicine and Nanotoxicology</i> , 2014 , 17-42	0.3	1
36	Sub-10 nm Lanthanide-Doped CaF2 Nanoprobcs for Time-Resolved Luminescent Biodetection. <i>Angewandte Chemie</i> , 2013 , 125, 6803-6808	3.6	37
35	Lanthanide-doped luminescent nano-bioprobcs: from fundamentals to biodetection. <i>Nanoscale</i> , 2013 , 5, 1369-84	7.7	153
34	Breakdown of Crystallographic Site Symmetry in Lanthanide-Doped NaYF4 Crystals. <i>Angewandte Chemie</i> , 2013 , 125, 1166-1171	3.6	40

33	Breakdown of crystallographic site symmetry in lanthanide-doped NaYF ₄ crystals. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 1128-33	16.4	185
32	Optical/magnetic multimodal bioprobes based on lanthanide-doped inorganic nanocrystals. <i>Chemistry - A European Journal</i> , 2013 , 19, 5516-27	4.8	43
31	Lanthanide-doped luminescent nanoprobes: controlled synthesis, optical spectroscopy, and bioapplications. <i>Chemical Society Reviews</i> , 2013 , 42, 6924-58	58.5	679
30	Lanthanide-doped NaScF ₄ nanoprobes: crystal structure, optical spectroscopy and biodetection. <i>Nanoscale</i> , 2013 , 5, 6430-8	7.7	70
29	Sub-10 nm lanthanide-doped CaF ₂ nanoprobes for time-resolved luminescent biodetection. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 6671-6	16.4	168
28	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
27	Amine-functionalized lanthanide-doped KGdF ₄ nanocrystals as potential optical/magnetic multimodal bioprobes. <i>Journal of the American Chemical Society</i> , 2012 , 134, 1323-30	16.4	353
26	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
25	Controlled synthesis and optical spectroscopy of lanthanide-doped KLaF ₄ nanocrystals. <i>Nanoscale</i> , 2012 , 4, 4485-91	7.7	74
24	Manganese-Doped Ag ₂ S-ZnS Heteronanostructures. <i>Chemistry of Materials</i> , 2012 , 24, 2407-2413	9.6	76
23	Lanthanide-doped inorganic nanocrystals as luminescent biolabels. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2012 , 15, 580-94	1.3	23
22	Eu ³⁺ doped KYF ₄ nanocrystals: synthesis, electronic structure, and optical properties. <i>Nanoscale</i> , 2011 , 3, 3164-9	7.7	79
21	Time-Resolved FRET Biosensor Based on Amine-Functionalized Lanthanide-Doped NaYF ₄ Nanocrystals. <i>Angewandte Chemie</i> , 2011 , 123, 6430-6434	3.6	31
20	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
19	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
18	Er ³⁺ -doped anatase TiO ₂ nanocrystals: crystal-field levels, excited-state dynamics, upconversion, and defect luminescence. <i>Small</i> , 2011 , 7, 3046-56	11	99
17	Time-resolved FRET biosensor based on amine-functionalized lanthanide-doped NaYF ₄ nanocrystals. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 6306-10	16.4	283
16	Lanthanide-doped multicolor GdF ₃ nanocrystals for time-resolved photoluminescent biodetection. <i>Chemistry - A European Journal</i> , 2011 , 17, 8549-54	4.8	100

15	Optical spectroscopy of lanthanides doped in wide band-gap semiconductor nanocrystals. <i>Journal of Luminescence</i> , 2011 , 131, 415-422	3.8	54
14	Optical Spectroscopy of Sm ³⁺ and Dy ³⁺ Doped ZnO Nanocrystals. <i>Spectroscopy Letters</i> , 2010 , 43, 343-349	3.8	38
13	Optical properties of Nd ³⁺ ion-doped ZnO nanocrystals. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 1871-6	1.3	49
12	Upconversion nanoparticles in biological labeling, imaging, and therapy. <i>Analyst, The</i> , 2010 , 135, 1839-545	11.59	
11	Eu ³⁺ -Doped In ₂ O ₃ Nanophosphors: Electronic Structure and Optical Characterization. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 9314-9321	3.8	68
10	Poly (acrylic acid)-capped lanthanide-doped BaFCl nanocrystals: synthesis and optical properties. <i>Nanoscale</i> , 2010 , 2, 1208-12	7.7	44
9	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
8	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
7	Lanthanide-doped LiYF ₄ nanoparticles: Synthesis and multicolor upconversion tuning. <i>Comptes Rendus Chimie</i> , 2010 , 13, 731-736	2.7	105
6	Near-infrared luminescence of Nd ³⁺ and Tm ³⁺ ions doped ZnO nanocrystals. <i>Optics Express</i> , 2009 , 17, 9748-53	3.3	54
5	Optical Spectroscopy of Eu ³⁺ -Doped BaFCl Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 2309-2315	3.2	107
4	Optical Spectroscopy of Eu ³⁺ Doped ZnO Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 686-693	3.8	207
3	Recent Progress on Spectroscopy of Lanthanide Ions Incorporated in Semiconductor Nanocrystals. <i>Journal of Rare Earths</i> , 2007 , 25, 515-525	3.7	32
2	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
1	Constructing All-Inorganic Perovskite/Fluoride Nanocomposites for Efficient and Ultra-Stable Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2016 , 26, 2106386	15.6	8