Yongsheng Liu

List of Publications by Year
in descending order

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64 papers	8,650 citations	70961 41 h-index	98622 67 g-index
71 all docs	71 docs citations	71 times ranked	8724 citing authors

#	Article	IF	Citations
1	Upconversion nanoparticles in biological labeling, imaging, and therapy. Analyst, The, 2010, 135, 1839.	1.7	1,278
2	Highly efficient non-rare-earth red emitting phosphor for warm white light-emitting diodes. Nature Communications, 2014, 5, 4312.	5.8	1,069
3	Lanthanide-doped luminescent nanoprobes: controlled synthesis, optical spectroscopy, and bioapplications. Chemical Society Reviews, 2013, 42, 6924.	18.7	768
4	Stabilizing Cesium Lead Halide Perovskite Lattice through Mn(II) Substitution for Air-Stable Light-Emitting Diodes. Journal of the American Chemical Society, 2017, 139, 11443-11450.	6.6	705
5	A Strategy to Achieve Efficient Dualâ€Mode Luminescence of Eu³⁺ in Lanthanides Doped Multifunctional NaGdF₄ Nanocrystals. Advanced Materials, 2010, 22, 3266-3271.	11.1	566
6	Amine-Functionalized Lanthanide-Doped KGdF₄ Nanocrystals as Potential Optical/Magnetic Multimodal Bioprobes. Journal of the American Chemical Society, 2012, 134, 1323-1330.	6.6	372
7	Timeâ€Resolved FRET Biosensor Based on Amineâ€Functionalized Lanthanideâ€Doped NaYF₄ Nanocrystals. Angewandte Chemie - International Edition, 2011, 50, 6306-6310.	7.2	308
8	Amine-Functionalized Lanthanide-Doped Zirconia Nanoparticles: Optical Spectroscopy, Time-Resolved Fluorescence Resonance Energy Transfer Biodetection, and Targeted Imaging. Journal of the American Chemical Society, 2012, 134, 15083-15090.	6.6	221
9	Breakdown of Crystallographic Site Symmetry in Lanthanideâ€Doped NaYF₄ Crystals. Angewandte Chemie - International Edition, 2013, 52, 1128-1133.	7.2	220
10	Optical Spectroscopy of Eu³⁺ Doped ZnO Nanocrystals. Journal of Physical Chemistry C, 2008, 112, 686-694.	1.5	219
11	Controlled Synthesis of Ag₂S Quantum Dots and Experimental Determination of the Exciton Bohr Radius. Journal of Physical Chemistry C, 2014, 118, 4918-4923.	1.5	206
12	Subâ€10â€…nm Lanthanideâ€Doped CaF₂ Nanoprobes for Timeâ€Resolved Luminescent Biodetection. Angewandte Chemie - International Edition, 2013, 52, 6671-6676.	7.2	185
13	Lanthanide-doped luminescent nano-bioprobes: from fundamentals to biodetection. Nanoscale, 2013, 5, 1369-1384.	2.8	165
14	Optical Spectroscopy of Eu³⁺-Doped BaFCl Nanocrystals. Journal of Physical Chemistry C, 2009, 113, 2309-2315.	1.5	119
15	Lanthanide-doped LiYF4 nanoparticles: Synthesis and multicolor upconversion tuning. Comptes Rendus Chimie, 2010, 13, 731-736.	0.2	114
16	Er³⁺â€Doped Anatase TiO₂ Nanocrystals: Crystalâ€Field Levels, Excitedâ€State Dynamics, Upconversion, and Defect Luminescence. Small, 2011, 7, 3046-3056.	5.2	114
17	Lanthanideâ€Doped Multicolor GdF₃ Nanocrystals for Timeâ€Resolved Photoluminescent Biodetection. Chemistry - A European Journal, 2011, 17, 8549-8554.	1.7	106
18	Luminescent biodetection based on lanthanide-doped inorganic nanoprobes. Coordination Chemistry Reviews, 2014, 273-274, 13-29.	9.5	91

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19	Manganese-Doped Ag₂S-ZnS Heteronanostructures. Chemistry of Materials, 2012, 24, 2407-2413.	3.2	87
20	Spectroscopic evidence of the multiple-site structure of Eu^3+ ions incorporated in ZnO nanocrystals. Optics Letters, 2007, 32, 566.	1.7	86
21	Eu3+ doped KYF4 nanocrystals: synthesis, electronic structure, and optical properties. Nanoscale, 2011, 3, 3164.	2.8	85
22	Controlled synthesis and optical spectroscopy of lanthanide-doped KLaF4 nanocrystals. Nanoscale, 2012, 4, 4485.	2.8	78
23	Eu³⁺-Doped In₂O₃ Nanophosphors: Electronic Structure and Optical Characterization. Journal of Physical Chemistry C, 2010, 114, 9314-9321.	1.5	74
24	Lanthanide-doped NaScF4 nanoprobes: crystal structure, optical spectroscopy and biodetection. Nanoscale, 2013, 5, 6430.	2.8	74
25	Lanthanide-doped semiconductor nanocrystals: electronic structures and optical properties. Science China Materials, 2015, 58, 819-850.	3.5	74
26	Visible-to-infrared quantum cutting by phonon-assisted energy transfer in YPO4:Tm3+, Yb3+ phosphors. Physical Chemistry Chemical Physics, 2012, 14, 6974.	1.3	73
27	In vitro upconverting/downshifting luminescent detection of tumor markers based on Eu³⁺-activated coreâ€“shellâ€“shell lanthanide nanoprobes. Chemical Science, 2016, 7, 5013-5019.	3.7	68
28	Optical spectroscopy of lanthanides doped in wide band-gap semiconductor nanocrystals. Journal of Luminescence, 2011, 131, 415-422.	1.5	63
29	From Nonluminescent to Blueâ€Emitting Cs₄PbBr₆ Nanocrystals: Tailoring the Insulator Bandgap of 0D Perovskite through Sn Cation Doping. Advanced Materials, 2019, 31, e1900606.	11.1	61
30	Near-infrared luminescence of Nd^3+ and Tm^3+ ions doped ZnO nanocrystals. Optics Express, 2009, 17, 9748.	1.7	58
31	Optical Properties of Nd³⁺ Ion-Doped ZnO Nanocrystals. Journal of Nanoscience and Nanotechnology, 2010, 10, 1871-1876.	0.9	56
32	Biodegradable Inorganic Upconversion Nanocrystals for In Vivo Applications. ACS Nano, 2020, 14, 16672-16680.	7.3	55
33	Persistent luminescence from Eu³⁺in SnO₂nanoparticles. Nanoscale, 2015, 7, 11048-11054.	2.8	53
34	Lanthanide-Doped Luminescent Nanomaterials. Nanomedicine and Nanotoxicology, 2014, , .	0.1	52
35	Dissolutionâ€Enhanced Luminescent Bioassay Based on Inorganic Lanthanide Nanoparticles. Angewandte Chemie - International Edition, 2014, 53, 12498-12502.	7.2	48
36	Optical Spectroscopy of Sm³⁺and Dy³⁺Doped ZnO Nanocrystals. Spectroscopy Letters, 2010, 43, 343-349.	0.5	46

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37	Optical/Magnetic Multimodal Bioprobes Based on Lanthanideâ€Doped Inorganic Nanocrystals. Chemistry - A European Journal, 2013, 19, 5516-5527.	1.7	45
38	Poly (acrylic acid)-capped lanthanide-doped BaFCl nanocrystals: synthesis and optical properties. Nanoscale, 2010, 2, 1208.	2.8	44
39	A general strategy for tailoring upconversion luminescence in lanthanide-doped inorganic nanocrystals through local structure engineering. Nanoscale, 2018, 10, 9353-9359.	2.8	44
40	Manipulating energy transfer in lanthanide-doped single nanoparticles for highly enhanced upconverting luminescence. Chemical Science, 2017, 8, 5050-5056.	3.7	43
41	Recent Progress on Spectroscopy of Lanthanide Ions Incorporated in Semiconductor Nanocrystals. Journal of Rare Earths, 2007, 25, 515-525.	2.5	41
42	Ultrasensitive Luminescent In Vitro Detection for Tumor Markers Based on Inorganic Lanthanide Nanoâ€Bioprobes. Advanced Science, 2016, 3, 1600197.	5.6	38
43	Cation-doping matters in caesium lead halide perovskite nanocrystals: from physicochemical fundamentals to optoelectronic applications. Nanoscale, 2020, 12, 12228-12248.	2.8	37
44	Lanthanide-doped Sr₂YF₇nanoparticles: controlled synthesis, optical spectroscopy and biodetection. Nanoscale, 2014, 6, 11098-11105.	2.8	35
45	Constructing Allâ€Inorganic Perovskite/Fluoride Nanocomposites for Efficient and Ultraâ€Stable Perovskite Solar Cells. Advanced Functional Materials, 2021, 31, 2106386.	7.8	32
46	Lanthanide-Doped Inorganic Nanocrystals as Luminescent Biolabels. Combinatorial Chemistry and High Throughput Screening, 2012, 15, 580-594.	0.6	25
47	Lanthanide-Doped KGd₂F₇ Nanocrystals: Controlled Synthesis, Optical Properties, and Spectroscopic Identification of the Optimum Core/Shell Architecture for Highly Enhanced Upconverting Luminescence. Crystal Growth and Design, 2019, 19, 2340-2349.	1.4	17
48	Sensitized Luminescence of Sm³⁺,Eu³⁺-Codoped TiO₂ Nanoparticles. Journal of Nanoscience and Nanotechnology, 2010, 10, 1693-1698.	0.9	16
49	Peasecodâ€Like Hollow Upconversion Nanocrystals with Excellent Optical Thermometric Performance. Advanced Science, 2020, 7, 2000731.	5.6	16
50	Local-structure-dependent luminescence in lanthanide-doped inorganic nanocrystals for biological applications. Chemical Communications, 2021, 57, 2970-2981.	2.2	10
51	A Microporous Metalâ€“Organic Framework for Efficient C₂H₂/CO₂ and C₂H₆/CH₄ Separation. Crystal Growth and Design, 2021, 21, 2277-2282.	1.4	9
52	Optical Spectroscopy of Eu³⁺ Ions in Tetragonal ZrO₂ Nanocrystals. Journal of Nanoscience and Nanotechnology, 2011, 11, 9445-9450.	0.9	7
53	Blue-emitting 0D Cs3ZnX5 (X = Cl, Br) perovskite nanocrystals based on self-trapped excitons. Journal of Luminescence, 2022, 249, 119048.	1.5	6
54	One-Step Synthesis and Optical Properties of Water-Soluble and Amine-Functionalized Dy³⁺-Doped BaFCl Nanocrystals. Journal of Nanoscience and Nanotechnology, 2011, 11, 9478-9483.	0.9	4

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55	Photon upconversion of all-inorganic CsPbX3 quantum dots based on fluorescence resonance energy transfer in hetero-structured perovskite/upconversion nanocomposites. Journal of Luminescence, 2022, 242, 118565.	1.5	4
56	Fabricating ultralow-power-excitable lanthanide-doped inorganic nanoparticles with anomalous thermo-enhanced photoluminescence behavior. Science China Materials, 2022, 65, 2793-2801.	3.5	4
57	Exploring the surface-to-volume ratio in ultrasmall nanocrystals using the optical probe of Eu³⁺ ion. Chemical Communications, 2020, 56, 14725-14728.	2.2	3
58	Activating Surface Dark Emitters in Lanthanide-Doped Ultrasmall Nanoparticles for Biological Applications Based on Interparticle Energy Transfer. CCS Chemistry, 2021, 3, 2155-2163.	4.6	3
59	Lanthanide-based NIR-II Fluorescent Nanoprobes and Their Biomedical Applications^{â€»}. Acta Chimica Sinica, 2022, 80, 542.	0.5	3
60	Surface Modification Chemistry of Lanthanide-Doped Nanoparticles. Nanomedicine and Nanotoxicology, 2014, , 59-74.	0.1	2
61	Optical Spectroscopy of Lanthanide-Doped Nanoparticles. Nanomedicine and Nanotoxicology, 2014, , 75-123.	0.1	2
62	Size Effect on the Luminescence of Lanthanide Ions in Nanoparticles. Nanomedicine and Nanotoxicology, 2014, , 17-42.	0.1	1
63	Tumor Marker Detection: Ultrasensitive Luminescent In Vitro Detection for Tumor Markers Based on Inorganic Lanthanide Nano-Bioprobes (Adv. Sci. 11/2016). Advanced Science, 2016, 3, .	5.6	0
64	Lanthanide-doped Upconversion Nano-bioprobes for In-vitro Detection of Tumor Markers. Chinese Journal of Luminescence, 2018, 39, 27-49.	0.2	0