Xueyuan Chen

List of Publications by Year
in descending order

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		9756	9553
273	22,912	73	142
papers	citations	h-index	g-index

290	290	290	17508
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tuning upconversion through energy migration in coreâ€“shell nanoparticles. Nature Materials, 2011, 10, 968-973.	13.3	1,570
2	Upconversion nanoparticles in biological labeling, imaging, and therapy. Analyst, The, 2010, 135, 1839.	1.7	1,278
3	Highly efficient non-rare-earth red emitting phosphor for warm white light-emitting diodes. Nature Communications, 2014, 5, 4312.	5.8	1,069
4	Lanthanide-doped luminescent nanoprobes: controlled synthesis, optical spectroscopy, and bioapplications. Chemical Society Reviews, 2013, 42, 6924.	18.7	768
5	Lanthanide-doped upconversion nano-bioprobes: electronic structures, optical properties, and biodetection. Chemical Society Reviews, 2015, 44, 1379-1415.	18.7	748
6	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
7	Diisopropylammonium Bromide Is a High-Temperature Molecular Ferroelectric Crystal. Science, 2013, 339, 425-428.	6.0	703
8	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
9	The Effect of Surface Coating on Energy Migration-Mediated Upconversion. Journal of the American Chemical Society, 2012, 134, 20849-20857.	6.6	405
10	Lanthanideâ€Doped LiLuF₄ Upconversion Nanoprobes for the Detection of Disease Biomarkers. Angewandte Chemie - International Edition, 2014, 53, 1252-1257.	7.2	397
11	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
12	Timeâ€Resolved FRET Biosensor Based on Amineâ€Functionalized Lanthanideâ€Doped NaYF₄ Nanocrystals. Angewandte Chemie - International Edition, 2011, 50, 6306-6310.	7.2	308
13	Poly(Acrylic Acid) Modification of Nd³⁺â€Sensitized Upconversion Nanophosphors for Highly Efficient UCL Imaging and pHâ€Responsive Drug Delivery. Advanced Functional Materials, 2015, 25, 4717-4729.	7.8	228
14	The standard and anomalous crystal-field spectra of Eu3+. Journal of Solid State Chemistry, 2005, 178, 419-428.	1.4	226
15	Near-infrared-triggered photon upconversion tuning in all-inorganic cesium lead halide perovskite quantum dots. Nature Communications, 2018, 9, 3462.	5.8	222
16	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
17	Breakdown of Crystallographic Site Symmetry in Lanthanideâ€Doped NaYF₄ Crystals. Angewandte Chemie - International Edition, 2013, 52, 1128-1133.	7.2	220
18	Optical Spectroscopy of Eu³⁺ Doped ZnO Nanocrystals. Journal of Physical Chemistry C, 2008, 112, 686-694.	1.5	219

#	Article	IF	Citations
19	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
20	Broadband Extrinsic Selfâ€Trapped Exciton Emission in Snâ€Doped 2D Leadâ€Halide Perovskites. Advanced Materials, 2019, 31, e1806385.	11.1	198
21	Subâ€10â€…nm Lanthanideâ€Doped CaF₂ Nanoprobes for Timeâ€Resolved Luminescent Biodetection. Angewandte Chemie - International Edition, 2013, 52, 6671-6676.	7.2	185
22	Bilayered Hybrid Perovskite Ferroelectric with Giant Two-Photon Absorption. Journal of the American Chemical Society, 2018, 140, 6806-6809.	6.6	185
23	Lanthanide-doped luminescent nano-bioprobes: from fundamentals to biodetection. Nanoscale, 2013, 5, 1369-1384.	2.8	165
24	Polarized three-photon-pumped laser in a single MOF microcrystal. Nature Communications, 2016, 7, 11087.	5.8	165
25	Plasmonic enhancement and polarization dependence of nonlinear upconversion emissions from single gold nanorod@SiO2@CaF2:Yb3+,Er3+ hybrid coreâ€“shellâ€“satellite nanostructures. Light: Science and Applications, 2017, 6, e16217-e16217.	7.7	155
26	A New Class of NIRâ€II Gold Nanoclusterâ€Based Protein Biolabels for Inâ€…Vivo Tumorâ€Targeted Imaging. Angewandte Chemie - International Edition, 2021, 60, 1306-1312.	7.2	155
27	Autofluorescence-Free Targeted Tumor Imaging Based on Luminous Nanoparticles with Composition-Dependent Size and Persistent Luminescence. ACS Nano, 2017, 11, 8010-8017.	7.3	153
28	Controlled syntheses of cubic and hexagonal ZnIn2S4 nanostructures with different visible-light photocatalytic performance. Dalton Transactions, 2011, 40, 2607.	1.6	149
29	Multifunctional Nanoâ€Bioprobes Based on Rattleâ€Structured Upconverting Luminescent Nanoparticles. Angewandte Chemie - International Edition, 2015, 54, 7915-7919.	7.2	145
30	Intense near-infrared-II luminescence from NaCeF₄:Er/Yb nanoprobes for in vitro bioassay and in vivo bioimaging. Chemical Science, 2018, 9, 4682-4688.	3.7	145
31	Synergetic Spin Crossover and Fluorescence in Oneâ€Dimensional Hybrid Complexes. Angewandte Chemie - International Edition, 2015, 54, 1574-1577.	7.2	140
32	Determination of Juddâ€“Ofelt intensity parameters from the excitation spectra for rare-earth doped luminescent materials. Physical Chemistry Chemical Physics, 2010, 12, 3276.	1.3	135
33	Frequency-upconverted stimulated emission by simultaneous five-photon absorption. Nature Photonics, 2013, 7, 234-239.	15.6	134
34	Energy levels, fluorescence lifetime and Juddâ€“Ofelt parameters of Eu3+in Gd2O3nanocrystals. Nanotechnology, 2007, 18, 255704.	1.3	133
35	Lanthanide-doped upconversion nanoparticles electrostatically coupled with photosensitizers for near-infrared-triggered photodynamic therapy. Nanoscale, 2014, 6, 8274.	2.8	133
36	One-Dimensional Luminous Nanorods Featuring Tunable Persistent Luminescence for Autofluorescence-Free Biosensing. ACS Nano, 2017, 11, 8185-8191.	7.3	132

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37	Restricted Phonon Relaxation and Anomalous Thermalization of Rare Earth Ions in Nanocrystals. Nano Letters, 2002, 2, 535-539.	4.5	128
38	Rechargeable and LED-activated ZnGa₂O₄â€‰:â€‰Cr³⁺ near-infrared persistent luminescence nanoprobes for background-free biodetection. Nanoscale, 2017, 9, 6846-6853.	2.8	128
39	Compact ultrabroadband light-emitting diodes based on lanthanide-doped lead-free double perovskites. Light: Science and Applications, 2022, 11, 52.	7.7	125
40	General Mild Reaction Creates Highly Luminescent Organic-Ligand-Lacking Halide Perovskite Nanocrystals for Efficient Light-Emitting Diodes. Journal of the American Chemical Society, 2019, 141, 15423-15432.	6.6	121
41	Evidence of Trivalent Europium Incorporated in Anatase TiO₂ Nanocrystals with Multiple Sites. Journal of Physical Chemistry C, 2008, 112, 10370-10377.	1.5	119
42	Optical Spectroscopy of Eu³⁺-Doped BaFCl Nanocrystals. Journal of Physical Chemistry C, 2009, 113, 2309-2315.	1.5	119
43	Colloidal Alloyed Quantum Dots with Enhanced Photoluminescence Quantum Yield in the NIR-II Window. Journal of the American Chemical Society, 2021, 143, 2601-2607.	6.6	118
44	Lanthanide-doped LiYF4 nanoparticles: Synthesis and multicolor upconversion tuning. Comptes Rendus Chimie, 2010, 13, 731-736.	0.2	114
45	Er³⁺â€Doped Anatase TiO₂ Nanocrystals: Crystalâ€Field Levels, Excitedâ€State Dynamics, Upconversion, and Defect Luminescence. Small, 2011, 7, 3046-3056.	5.2	114
46	Moistureâ€Resistant Mn⁴⁺â€Doped Coreâ€“Shellâ€Structured Fluoride Red Phosphor Exhibiting High Luminous Efficacy for Warm White Lightâ€Emitting Diodes. Angewandte Chemie - International Edition, 2019, 58, 3843-3847.	7.2	113
47	Host-Sensitized Luminescence of Nd³⁺and Sm³⁺Ions Incorporated in Anatase Titania Nanocrystals. Journal of Physical Chemistry C, 2009, 113, 8772-8777.	1.5	111
48	Unraveling the Electronic Structures of Neodymium in LiLuF₄ Nanocrystals for Ratiometric Temperature Sensing. Advanced Science, 2019, 6, 1802282.	5.6	111
49	Hydrolysis of Uranium(VI) at Variable Temperatures (10â°'85 Â°C). Journal of the American Chemical Society, 2004, 126, 5515-5522.	6.6	110
50	Lanthanideâ€Doped Multicolor GdF₃ Nanocrystals for Timeâ€Resolved Photoluminescent Biodetection. Chemistry - A European Journal, 2011, 17, 8549-8554.	1.7	106
51	Fullâ€Spectrum Persistent Luminescence Tuning Using Allâ€Inorganic Perovskite Quantum Dots. Angewandte Chemie - International Edition, 2019, 58, 6943-6947.	7.2	106
52	Lanthanide-doped luminescent nano-bioprobes for the detection of tumor markers. Nanoscale, 2015, 7, 4274-4290.	2.8	101
53	Thermally boosted upconversion and downshifting luminescence in Sc2(MoO4)3:Yb/Er with two-dimensional negative thermal expansion. Nature Communications, 2022, 13, 2090.	5.8	99
54	A New Cubic Phase for a NaYF₄ Host Matrix Offering High Upconversion Luminescence Efficiency. Advanced Materials, 2015, 27, 5528-5533.	11.1	94

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55	Minimizing the Heat Effect of Photodynamic Therapy Based on Inorganic Nanocomposites Mediated by 808 nm Nearâ€Infrared Light. Small, 2017, 13, 1700038.	5.2	94
56	Single-composition white-emitting NaSrBO₃:Ce³⁺,Sm³⁺,Tb³⁺phosphors for NUV light-emitting diodes. Journal of Materials Chemistry C, 2015, 3, 7286-7293.	2.7	93
57	Grapheneâ€Oxideâ€Modified Lanthanide Nanoprobes for Tumorâ€Targeted Visible/NIRâ€II Luminescence Imaging. Angewandte Chemie - International Edition, 2019, 58, 18981-18986.	7.2	92
58	Luminescent biodetection based on lanthanide-doped inorganic nanoprobes. Coordination Chemistry Reviews, 2014, 273-274, 13-29.	9.5	91
59	Near-infrared-triggered antibacterial and antifungal photodynamic therapy based on lanthanide-doped upconversion nanoparticles. Nanoscale, 2018, 10, 15485-15495.	2.8	90
60	A New Class of Blueâ€LEDâ€Excitable NIRâ€II Luminescent Nanoprobes Based on Lanthanideâ€Doped CaS Nanoparticles. Angewandte Chemie - International Edition, 2019, 58, 9556-9560.	7.2	88
61	Manganese-Doped Ag₂S-ZnS Heteronanostructures. Chemistry of Materials, 2012, 24, 2407-2413.	3.2	87
62	Confinement on energy transfer between luminescent centers in nanocrystals. Journal of Applied Physics, 2003, 94, 5559-5565.	1.1	86
63	Spectroscopic evidence of the multiple-site structure of Eu^3+ ions incorporated in ZnO nanocrystals. Optics Letters, 2007, 32, 566.	1.7	86
64	Energy Levels and Optical Spectroscopy of Er3+in Gd2O3Nanocrystals. Journal of Physical Chemistry C, 2007, 111, 10404-10411.	1.5	85
65	Eu3+ doped KYF4 nanocrystals: synthesis, electronic structure, and optical properties. Nanoscale, 2011, 3, 3164.	2.8	85
66	Time-resolved luminescent biosensing based on inorganic lanthanide-doped nanoprobes. Chemical Communications, 2015, 51, 4129-4143.	2.2	85
67	Preferential Neighboring Substitution-Triggered Full Visible Spectrum Emission in Single-Phased Ca_{10.5â€“x}Mg_x(PO₄)₇:Eu²⁺ Phosphors for High Color-Rendering White LEDs. ACS Applied Materials & Interfaces, 2018, 10, 33322-33334.	4.0	84
68	Large-scale synthesis of uniform lanthanide-doped NaREF₄ upconversion/downshifting nanoprobes for bioapplications. Nanoscale, 2018, 10, 11477-11484.	2.8	84
69	Effects of phonon confinement on the luminescence dynamics of Eu3+in Gd2O3nanotubes. Nanotechnology, 2007, 18, 015403.	1.3	82
70	Realization of visâ€“NIR Dual-Modal Circularly Polarized Light Detection in Chiral Perovskite Bulk Crystals. Journal of the American Chemical Society, 2021, 143, 14077-14082.	6.6	80
71	Controlled synthesis and optical spectroscopy of lanthanide-doped KLaF4 nanocrystals. Nanoscale, 2012, 4, 4485.	2.8	78
72	Anomalous luminescence dynamics ofEu3+in BaFCl microcrystals. Physical Review B, 2004, 70, .	1.1	76

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73	Eu³⁺-Doped In₂O₃ Nanophosphors: Electronic Structure and Optical Characterization. Journal of Physical Chemistry C, 2010, 114, 9314-9321.	1.5	74
74	Lanthanide-doped NaScF4 nanoprobes: crystal structure, optical spectroscopy and biodetection. Nanoscale, 2013, 5, 6430.	2.8	74
75	Lanthanide-doped semiconductor nanocrystals: electronic structures and optical properties. Science China Materials, 2015, 58, 819-850.	3.5	74
76	Single 808 nm Laser Treatment Comprising Photothermal and Photodynamic Therapies by Using Gold Nanorods Hybrid Upconversion Particles. Journal of Physical Chemistry C, 2018, 122, 2402-2412.	1.5	74
77	Dualâ€Bandâ€Tunable Whiteâ€Light Emission from Bi³⁺/Te⁴⁺ Emitters in Perovskiteâ€Derivative Cs₂SnCl₆ Microcrystals. Angewandte Chemie - International Edition, 2022, 61, .	7.2	74
78	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
79	Sub-5 nm lanthanide-doped lutetium oxyfluoride nanoprobes for ultrasensitive detection of prostate specific antigen. Chemical Science, 2016, 7, 2572-2578.	3.7	71
80	Lanthanide-doped near-infrared II luminescent nanoprobes for bioapplications. Science China Materials, 2019, 62, 1071-1086.	3.5	70
81	Near-Infrared Light-Mediated Photodynamic Therapy Nanoplatform by the Electrostatic Assembly of Upconversion Nanoparticles with Graphitic Carbon Nitride Quantum Dots. Inorganic Chemistry, 2016, 55, 10267-10277.	1.9	69
82	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
83	A strategy for accurate detection of glucose in human serum and whole blood based on an upconversion nanoparticles-polydopamine nanosystem. Nano Research, 2018, 11, 3164-3174.	5.8	68
84	â€œChameleon-likeâ€•optical behavior of lanthanide-doped fluoride nanoplates for multilevel anti-counterfeiting applications. Nano Research, 2019, 12, 1417-1422.	5.8	67
85	Synergistic Lysozymeâ€Photodynamic Therapy Against Resistant Bacteria based on an Intelligent Upconversion Nanoplatform. Angewandte Chemie - International Edition, 2021, 60, 19201-19206.	7.2	67
86	Up-conversion luminescence in LaF3:Ho3+via two-wavelength excitation for use in solar cells. Journal of Materials Chemistry C, 2013, 1, 8023.	2.7	66
87	Unveiling the Excitedâ€State Dynamics of Mn²⁺ in 0D Cs₄PbCl₆ Perovskite Nanocrystals. Advanced Science, 2020, 7, 2002210.	5.6	66
88	Comparison of optical spectra of Nd3+in NdAl3(BO3)4(NAB), Nd:GdAl3(BO3)4(NGAB) and Nd:Gd0.2Y0.8Al3(BO3)4(NGYAB) crystals. Journal of Physics Condensed Matter, 2001, 13, 1171-1178.	0.7	65
89	Plasmon-induced hyperthermia: hybrid upconversion NaYF₄:Yb/Er and gold nanomaterials for oral cancer photothermal therapy. Journal of Materials Chemistry B, 2015, 3, 8293-8302.	2.9	65
90	Broadband NIR photostimulated luminescence nanoprobes based on CaS:Eu²⁺,Sm³⁺ nanocrystals. Chemical Science, 2019, 10, 5452-5460.	3.7	65

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91	Luminescent lanthanide metalâ€“organic framework nanoprobes: from fundamentals to bioapplications. Nanoscale, 2020, 12, 15021-15035.	2.8	65
92	Cooperative and non-cooperative sensitization upconversion in lanthanide-doped LiYbF₄ nanoparticles. Nanoscale, 2017, 9, 6521-6528.	2.8	64
93	Europium-activated luminescent nanoprobes: From fundamentals to bioapplications. Coordination Chemistry Reviews, 2019, 378, 104-120.	9.5	64
94	Boosting the Selfâ€Trapped Exciton Emission in Alloyed Cs₂(Ag/Na)InCl₆ Double Perovskite via Cu⁺ Doping. Advanced Science, 2022, 9, e2103724.	5.6	64
95	Confinement of electronâ€“phonon interaction on luminescence dynamics in nanophosphors of Er 3+ :Y 2 O 2 S. Journal of Solid State Chemistry, 2003, 171, 123-132.	1.4	63
96	Optical spectroscopy of lanthanides doped in wide band-gap semiconductor nanocrystals. Journal of Luminescence, 2011, 131, 415-422.	1.5	63
97	Two-photon absorption and optical power limiting properties of ladder-type tetraphenylene cored chromophores with different terminal groups. Journal of Materials Chemistry C, 2013, 1, 1771.	2.7	63
98	Lanthanide-doped disordered crystals: Site symmetry and optical properties. Journal of Luminescence, 2018, 201, 255-264.	1.5	63
99	Ultrasensitive detection of cancer biomarker microRNA by amplification of fluorescence of lanthanide nanoprobes. Nano Research, 2018, 11, 264-273.	5.8	62
100	Direct Detection of Circulating Tumor Cells in Whole Blood Using Timeâ€Resolved Luminescent Lanthanide Nanoprobes. Angewandte Chemie - International Edition, 2019, 58, 12195-12199.	7.2	62
101	A Novel Tumor Targeting Drug Carrier for Optical Imaging and Therapy. Theranostics, 2014, 4, 642-659.	4.6	61
102	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
103	Near-infrared luminescence of Nd^3+ and Tm^3+ ions doped ZnO nanocrystals. Optics Express, 2009, 17, 9748.	1.7	58
104	Highly efficient Sb3+ emitters in 0D cesium indium chloride nanocrystals with switchable photoluminescence through water-triggered structural transformation. Nano Today, 2022, 44, 101460.	6.2	58
105	Broadband excitable NIR-II luminescent nano-bioprobes based on CuInSe2 quantum dots for the detection of circulating tumor cells. Nano Today, 2020, 35, 100943.	6.2	57
106	Optical Properties of Nd³⁺ Ion-Doped ZnO Nanocrystals. Journal of Nanoscience and Nanotechnology, 2010, 10, 1871-1876.	0.9	56
107	Tailoring the Broadband Emission in Allâ€Inorganic Leadâ€Free 0D Inâ€Based Halides through Sb³⁺ Doping. Advanced Optical Materials, 2021, 9, 2100434.	3.6	56
108	Analysis of Energy Level Structure and Excited-State Dynamics in a Sm3+Complex with Soft-Donor Ligands:Â Sm(Et2Dtc)3(bipy). Journal of Physical Chemistry B, 2005, 109, 13991-13999.	1.2	54

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109	Polarized spectral properties of Nd3+ ions in CaYAlO4 crystal. Applied Physics B: Lasers and Optics, 2010, 101, 199-205.	1.1	54
110	Zinc phthalocyanine conjugated with the amino-terminal fragment of urokinase for tumor-targeting photodynamic therapy. Acta Biomaterialia, 2014, 10, 4257-4268.	4.1	54
111	Efficient Nearâ€Infrared Luminescence in Lanthanideâ€Doped Vacancyâ€Ordered Double Perovskite Cs₂ZrCl₆ Phosphors via Te⁴⁺ Sensitization. Angewandte Chemie - International Edition, 2022, 61, .	7.2	54
112	Persistent luminescence from Eu³⁺in SnO₂nanoparticles. Nanoscale, 2015, 7, 11048-11054.	2.8	53
113	K₂NaAlF₆:Mn⁴⁺red phosphor: room-temperature synthesis and electronic/vibronic structures. Journal of Materials Chemistry C, 2018, 6, 2069-2076.	2.7	53
114	Boosting Nearâ€Infrared Luminescence of Lanthanide in Cs₂AgBiCl₆ Double Perovskites via Breakdown of the Local Site Symmetry. Angewandte Chemie - International Edition, 2022, 61, .	7.2	53
115	Encapsulation and Sensitization of UVâ€“vis and Near Infrared Lanthanide Hydrate Emitters for Dual- and Bimodal-Emissions in Both Air and Aqueous Media Based on a Porous Heteroatom-Rich Cd(II)-Framework. Inorganic Chemistry, 2012, 51, 9629-9635.	1.9	52
116	Chiral crystallization of aromatic helical foldamers via complementarities in shape and end functionalities. Chemical Science, 2012, 3, 2042.	3.7	52
117	Lanthanide-Doped Luminescent Nanomaterials. Nanomedicine and Nanotoxicology, 2014, , .	0.1	52
118	Photon upconversion in Yb³⁺â€“Tb³⁺ and Yb³⁺â€“Eu³⁺ activated core/shell nanoparticles with dual-band excitation. Journal of Materials Chemistry C, 2016, 4, 4186-4192.	2.7	52
119	Microwave hydrothermal synthesis and upconversion properties of NaYF4:Yb3+, Tm3+ with microtube morphology. Materials Letters, 2009, 63, 1023-1026.	1.3	50
120	Inorganic lanthanide nanoprobes for background-free luminescent bioassays. Science China Materials, 2015, 58, 156-177.	3.5	50
121	Stress-induced CsPbBr3 nanocrystallization on glass surface: Unexpected mechanoluminescence and applications. Nano Research, 2019, 12, 1049-1054.	5.8	50
122	Characterization of laser crystal Yb:CaYAlO_4. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 1650.	0.9	48
123	Near-Infrared-to-Near-Infrared Downshifting and Near-Infrared-to-Visible Upconverting Luminescence of Er³⁺-Doped In₂O₃ Nanocrystals. Journal of Physical Chemistry C, 2013, 117, 10834-10841.	1.5	48
124	Dissolutionâ€Enhanced Luminescent Bioassay Based on Inorganic Lanthanide Nanoparticles. Angewandte Chemie - International Edition, 2014, 53, 12498-12502.	7.2	48
125	Three Reversible Polymorphic Copper(I) Complexes Triggered by Ligand Conformation: Insights into Polymorphic Crystal Habit and Luminescent Properties. Inorganic Chemistry, 2015, 54, 4200-4207.	1.9	48
126	Recent advances in design of lanthanide-containing NIR-II luminescent nanoprobes. IScience, 2021, 24, 102062.	1.9	48

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127	Optical Spectroscopy of Sm³⁺and Dy³⁺Doped ZnO Nanocrystals. Spectroscopy Letters, 2010, 43, 343-349.	0.5	46
128	Lanthanide Metalâ€“Organic Framework Nanoprobes for the In Vitro Detection of Cardiac Disease Markers. ACS Applied Materials & Interfaces, 2019, 11, 43989-43995.	4.0	46
129	Theranostic nanobubble encapsulating a plasmon-enhanced upconversion hybrid nanosystem for cancer therapy. Theranostics, 2020, 10, 782-796.	4.6	46
130	Optical properties and luminescence dynamics of Eu^{3 +}-doped terbium orthophosphate nanophosphors. Nanotechnology, 2011, 22, 275701.	1.3	45
131	Optical/Magnetic Multimodal Bioprobes Based on Lanthanideâ€Doped Inorganic Nanocrystals. Chemistry - A European Journal, 2013, 19, 5516-5527.	1.7	45
132	Poly (acrylic acid)-capped lanthanide-doped BaFCl nanocrystals: synthesis and optical properties. Nanoscale, 2010, 2, 1208.	2.8	44
133	A general strategy for tailoring upconversion luminescence in lanthanide-doped inorganic nanocrystals through local structure engineering. Nanoscale, 2018, 10, 9353-9359.	2.8	44
134	Plasmon-driven N₂ photofixation in pure water over MoO_{3â^'x} nanosheets under visible to NIR excitation. Journal of Materials Chemistry A, 2020, 8, 2827-2835.	5.2	44
135	Manipulating energy transfer in lanthanide-doped single nanoparticles for highly enhanced upconverting luminescence. Chemical Science, 2017, 8, 5050-5056.	3.7	43
136	Near-infrared-excited upconversion photodynamic therapy of extensively drug-resistantAcinetobacter baumanniibased on lanthanide nanoparticles. Nanoscale, 2020, 12, 13948-13957.	2.8	43
137	Ytterbium-Doped CsPbCl₃ Quantum Cutters for Near-Infrared Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2021, 13, 34561-34571.	4.0	43
138	A Strategy of NIR Dualâ€Excitation Upconversion for Ratiometric Intracellular Detection. Advanced Science, 2019, 6, 1901874.	5.6	42
139	Moisture-resistant and highly efficient narrow-band red-emitting fluoride phosphor K₂NaGaF₆:Mn⁴⁺ for warm white LED application. Journal of Materials Chemistry C, 2019, 7, 7906-7914.	2.7	42
140	Carrier-mediated 155 Î¼m photoluminescence from single Er^3+ center in SnO_2 nanocrystals. Optics Letters, 2009, 34, 1873.	1.7	41
141	Broadband Cr^3+-sensitized upconversion luminescence in La_3Ga_5GeO_14: Cr^3+,Yb^3+,Er^3+. Optical Materials Express, 2014, 4, 638.	1.6	41
142	Selfâ€Powered Visibleâ€Infrared Polarization Photodetection Driven by Ferroelectric Photovoltaic Effect in a Dionâ€“Jacobson Hybrid Perovskite. Advanced Functional Materials, 2022, 32, .	7.8	41
143	Chapter 233 Spectroscopic properties of lanthanides in nanomaterials. Fundamental Theories of Physics, 2007, , 99-169.	0.1	40
144	Polarized spectral properties of Er3+ ions in NaGd(WO4)2 crystal. Applied Physics B: Lasers and Optics, 2007, 89, 73-80.	1.1	40

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145	One-dimensional nanocrystals of cobalt perylene diimide polymer with in-situ generated FeOOH for efficient photocatalytic water oxidation. Applied Catalysis B: Environmental, 2020, 260, 118135.	10.8	40
146	Optical Spectroscopy of Rare Earth Ion-Doped TiO₂ Nanophosphors. Journal of Nanoscience and Nanotechnology, 2010, 10, 1482-1494.	0.9	39
147	Eu3+-doped Î²-Ga2O3 nanophosphors: annealing effect, electronic structure and optical spectroscopy. Physical Chemistry Chemical Physics, 2011, 13, 4411.	1.3	38
148	Ultrasensitive Luminescent In Vitro Detection for Tumor Markers Based on Inorganic Lanthanide Nanoâ€Bioprobes. Advanced Science, 2016, 3, 1600197.	5.6	38
149	A facile â€œship-in-a-bottleâ€•approach to construct nanorattles based on upconverting lanthanide-doped fluorides. Nano Research, 2016, 9, 187-197.	5.8	37
150	A CW blue laser emission by self-sum-frequency-mixing in Nd3+:GdAl3(BO3)4 crystal. Optics Communications, 2002, 208, 163-166.	1.0	36
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