

Yunxin Liu

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/7819250/yunxin-liu-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

75
papers

1,196
citations

19
h-index

32
g-index

77
ext. papers

1,383
ext. citations

4.7
avg, IF

4.45
L-index

#	Paper	IF	Citations
75	Simultaneous enhancement of fluorescence intensity, thermometric sensitivity and SNR of upconversion thermometers via optical field localization. <i>Journal of Materials Chemistry C</i> , 2022 , 10, 5190-5199 ³	7.1	3
74	Nanoscale Ultrasensitive Temperature Sensing Based on Upconversion Nanoparticles with Lattice Self-Adaptation. <i>Nano Letters</i> , 2021 , 21, 272-278	11.5	18
73	Effect of C/SiC interphase on interfacial and mechanical properties of SiC fiber reinforced mullite matrix composites. <i>Journal of Sol-Gel Science and Technology</i> , 2021 , 98, 335-341	2.3	1
72	Manipulating Energy Transfer in UCNPs@SiO@Ag Nanoparticles for Efficient Infrared Photocatalysis. <i>Inorganic Chemistry</i> , 2021 , 60, 5704-5710	5.1	7
71	Effect of Sintering Temperature on the Interfacial and Mechanical Properties of SiC Fiber Reinforced Mullite Matrix Composites. <i>Applied Composite Materials</i> , 2021 , 28, 767-776	2	1
70	Linear stimuli-responsive upconversion luminescent nanoprobe coupled with graphene. <i>Optical Materials</i> , 2021 , 112, 110694	3.3	
69	Upconversion nanoparticle@Ag@C@Ag composite films for rapid temperature sensing. <i>CrystEngComm</i> , 2021 , 23, 3133-3143	3.3	0
68	Optical temperature sensing based on upconversion nanoparticles with enhanced sensitivity via dielectric superlensing modulation. <i>Journal of Materials Science</i> , 2021 , 56, 10438-10448	4.3	0
67	Observation of high efficient photothermal conversion of sub-10 nm Au nanoparticles coated on upconversion nanoparticles. <i>Optical Materials</i> , 2020 , 101, 109665	3.3	5
66	Ultra-thin NiS nanosheets as advanced electrode for high energy density supercapacitors.. <i>RSC Advances</i> , 2020 , 10, 8760-8765	3.7	6
65	Nanoporous fluorescent sensor based on upconversion nanoparticles for the detection of dichloromethane with high sensitivity.. <i>RSC Advances</i> , 2020 , 11, 565-571	3.7	3
64	Plasmonic filter with highly selective wavelength in a fixed dimension based on the loaded rectangular ring cavity. <i>Optics Communications</i> , 2019 , 439, 125-128	2	9
63	Mechanistic Analysis of Embedded Copper Oxide in Organic Thin-Film Transistors with Controllable Threshold Voltage. <i>ACS Omega</i> , 2019 , 4, 8506-8511	3.9	2
62	Steady State Luminescence Enhancement in Plasmon Coupled Core/Shell Upconversion Nanoparticles. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1802089	4.6	12
61	Dye-Sensitized Core/Shell Upconversion Nanoparticles for Detecting Nitrites in Plant Cells. <i>Particle and Particle Systems Characterization</i> , 2019 , 36, 1900014	3.1	5
60	Insulating plasmonic photothermal heat of Ag nanoparticles by a thin carbon shell. <i>Journal of Alloys and Compounds</i> , 2019 , 791, 380-384	5.7	6
59	Direct Observation of Nanoscale Light Confinement without Metal. <i>Advanced Materials</i> , 2019 , 31, e1806341	3.4	12

58	Simultaneously Control the Optical and Paramagnetic Properties of Bifunctional Na(Y _{0.8-x} Dy _x Yb _{0.18} Er _{0.02})F ₄ Nanoparticles. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2019 , 25, 1-6	3.8	
57	Tracing of dye molecules in living plants through NaGdF ₄ :Yb ³⁺ ,Er ³⁺ fluorescent nanoprobe. <i>Journal of Rare Earths</i> , 2019 , 37, 237-241	3.7	4
56	Tuning the photothermal effect of NaYF ₄ : Yb ³⁺ , Er ³⁺ upconversion luminescent crystals through La ³⁺ ion doping. <i>Journal of Luminescence</i> , 2019 , 206, 21-26	3.8	3
55	Au/NaGdF ₄ : Yb ³⁺ , Er ³⁺ hybrid fluorescent system for rapid detection of ethanol. <i>Materials Research Bulletin</i> , 2019 , 109, 155-159	5.1	7
54	Theoretical Design of Plasmonic Refractive Index Sensor Based on the Fixed Band Detection. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2019 , 25, 1-6	3.8	6
53	Simultaneous luminescence and magnetic control of NaLuF ₄ : Yb ³⁺ /Er ³⁺ by introducing NaMnF ₃ and the application for detecting basic fuchsin. <i>Journal of Alloys and Compounds</i> , 2018 , 745, 490-496	5.7	6
52	Growth of highly mesoporous CuCo ₂ O ₄ @C core-shell arrays as advanced electrodes for high-performance supercapacitors. <i>Applied Surface Science</i> , 2018 , 439, 883-890	6.7	29
51	Core/shell upconversion nanoparticles with intense fluorescence for detecting doxorubicin .. <i>RSC Advances</i> , 2018 , 8, 21505-21512	3.7	19
50	Enhanced upconversion based on the ultrahigh local field enhancement in a multilayered UCNPs-metamaterial composite system. <i>Journal of Alloys and Compounds</i> , 2018 , 735, 372-376	5.7	13
49	Upconversion core/shell nanoparticles with lowered surface quenching for fluorescence detection of Hg ions. <i>Dalton Transactions</i> , 2018 , 47, 16445-16452	4.3	10
48	Upconversion luminescence turning of NaREF ₄ (RE=0.4Y+0.4La+0.2 (Yb, Er, Tm)) nanoparticles and their applications for detecting Rhodamine B in shrimp. <i>Journal of Rare Earths</i> , 2017 , 35, 120-126	3.7	4
47	Upconversion fluorescent and X-ray-sensitive bifunctional nanoprobe for assessing the penetrability of inorganic nanoparticles in the digestive system. <i>MedChemComm</i> , 2017 , 8, 1053-1062	5	2
46	Magnetic tuning of upconversion luminescence in Au/NaGdF ₄ :Yb/Er nanocomposite. <i>Nanotechnology</i> , 2017 , 28, 155702	3.4	9
45	Modulating upconversion luminescence through fluorescent dyes. <i>Journal of Solid State Chemistry</i> , 2017 , 255, 139-144	3.3	6
44	Uniform NaLuF ₄ nanoparticles with strong upconversion luminescence for background-free imaging of plant cells and ultralow power detecting of trace organic dyes. <i>Materials Research Bulletin</i> , 2016 , 73, 6-13	5.1	19
43	Upconversion nanoparticle arrays for detecting glycosylated hemoglobin with high sensitivity and good reusability. <i>RSC Advances</i> , 2016 , 6, 102226-102230	3.7	7
42	Synergistic effect of crystal structure and concentration quenching on photoluminescence of Er ³⁺ doped upconversion nanocrystals. <i>Journal of Rare Earths</i> , 2016 , 34, 963-971	3.7	10
41	Upconversion NaGdF ₄ nanoparticles for monitoring heat treatment and acid corrosion processes of hair. <i>Journal of Rare Earths</i> , 2016 , 34, 475-482	3.7	3

40	Controllable plasmonic sensing based on Fano resonance in a cavity coupled defective MDM waveguide. <i>Journal Physics D: Applied Physics</i> , 2016 , 49, 265109	3	6
39	Remarkable red-shift of upconversion luminescence and anti-ferromagnetic coupling in NaLuF ₄ :Yb ³⁺ /Tm ³⁺ /Gd ³⁺ /Sm ³⁺ bifunctional microcrystals. <i>Journal of Rare Earths</i> , 2016 , 34, 166-173	3.7	14
38	Upconversion nanoparticles for differential imaging of plant cells and detection of fluorescent dyes. <i>Journal of Rare Earths</i> , 2016 , 34, 208-220	3.7	18
37	Enhanced upconversion luminescence through core/shell structures and its application for detecting organic dyes in opaque fishes. <i>Photochemical and Photobiological Sciences</i> , 2016 , 15, 260-5	4.2	10
36	Upconversion Luminescence and Magnetic Turning of NaLuF ₄ :Yb ³⁺ /Tm ³⁺ /Gd ³⁺ Nanoparticles and Their Application for Detecting Acriflavine. <i>Journal of Nanomaterials</i> , 2016 , 2016, 1-9	3.2	3
35	NaLuF ₄ :Yb ³⁺ ,Er ³⁺ bifunctional microcrystals codoped with Gd ³⁺ or Dy ³⁺ ions: Enhanced upconversion luminescence and ferromagnetic-paramagnetic transition. <i>Journal of Alloys and Compounds</i> , 2016 , 684, 105-111	5.7	11
34	Template-free synthesis of ordered ZnO@ZnS core-shell arrays for high performance supercapacitors. <i>Dalton Transactions</i> , 2016 , 45, 17980-17986	4.3	28
33	Direct evidence of reversible energy transfer between Er ³⁺ and Tm ³⁺ ions in upconversion microcrystals. <i>Journal of Rare Earths</i> , 2015 , 33, 679-685	3.7	8
32	Growth and electrochemical performance of porous NiMn ₂ O ₄ nanosheets with high specific surface areas. <i>Journal of Solid State Electrochemistry</i> , 2015 , 19, 3169-3175	2.6	17
31	Upconversion NaLuF ₄ fluorescent nanoprobe for jellyfish cell imaging and irritation assessment of organic dyes. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 6067-6076	7.1	28
30	Simultaneously optimizing fluorescent and paramagnetic properties of bifunctional NaGdF ₄ :Yb ³⁺ /Er ³⁺ nanocrystals by crystal field tuning. <i>Materials Research Bulletin</i> , 2015 , 64, 22-26	5.1	8
29	Multicolor upconversion NaLuF ₄ fluorescent nanoprobe for plant cell imaging and detection of sodium fluorescein. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 153-161	7.1	45
28	Energy upconversion in lanthanide-doped core/porous-shell nanoparticles. <i>Inorganic Chemistry</i> , 2014 , 53, 3257-9	5.1	31
27	Solution growth of NiO nanosheets supported on Ni foam as high-performance electrodes for supercapacitors. <i>Nanoscale Research Letters</i> , 2014 , 9, 424	5	81
26	Enhanced red luminescence in Gd ₂ O ₃ :Eu ³⁺ ,Sm ³⁺ and its dependence on temperature. <i>Optics Communications</i> , 2014 , 328, 23-29	2	10
25	CuO quantum-dot-sensitized mesoporous ZnO for visible-light photocatalysis. <i>Chemistry - A European Journal</i> , 2013 , 19, 4319-26	4.8	45
24	C/N-sensitized self-assembly of mesostructured TiO ₂ nanospheres with significantly enhanced photocatalytic activity. <i>New Journal of Chemistry</i> , 2013 , 37, 2582	3.6	10
23	Assembling TiO ₂ nanocrystals into nanotube networks on two dimensional substrates. <i>RSC Advances</i> , 2013 , 3, 18894	3.7	

22	Remarkable modulation effects of Ag ⁺ ion on fluorescence of Eu ³⁺ ion doped yttrium phosphate nanophosphors. <i>Materials Research Bulletin</i> , 2013 , 48, 1989-1994	5.1	1
21	Magnetic tuning of upconversion luminescence in lanthanide-doped bifunctional nanocrystals. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 4366-9	16.4	166
20	ZnO hierarchical aggregates: Solvothermal synthesis and application in dye-sensitized solar cells. <i>Nano Research</i> , 2013 , 6, 441-448	10	24
19	Relationship between Microstructure Evolution and the Luminescent Properties of Eu ³⁺ -doped Yttrium Aluminum Garnet and Y ₂ O ₃ Nano-powders. <i>Journal of Materials Science and Technology</i> , 2013 , 29, 225-230	9.1	7
18	Magnetic Tuning of Upconversion Luminescence in Lanthanide-Doped Bifunctional Nanocrystals. <i>Angewandte Chemie</i> , 2013 , 125, 4462-4465	3.6	20
17	Pure red upconversion photoluminescence and paramagnetic properties of Gd ₂ O ₃ :Yb ³⁺ , Er ³⁺ nanotubes prepared via a facile hydrothermal process. <i>Materials Letters</i> , 2012 , 73, 147-149	3.3	10
16	Enhancement of red to orange emission ratio of YPO ₄ :Eu ³⁺ ,Ce ³⁺ and its dependence on Ce ³⁺ concentration. <i>Journal of Rare Earths</i> , 2012 , 30, 995-999	3.7	4
15	Synthesis of biocompatible uniform NaYF ₄ :Yb ³⁺ ,Er ³⁺ nanocrystals and their characteristic photoluminescence. <i>Journal of Luminescence</i> , 2012 , 132, 3042-3047	3.8	6
14	Self-assembly of ZnO nanocrystals into nanoporous pyramids: high selective adsorption and photocatalytic activity. <i>Journal of Materials Chemistry</i> , 2012 , 22, 6539		32
13	Uniform lanthanide-doped Y ₂ O ₃ hollow microspheres: Controlled synthesis and luminescence properties. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2011 , 176, 1251-1256	3.1	18
12	Synthesis of NaYF ₄ nanocrystals doped with Yb ³⁺ /Er ³⁺ and influence of citric acid on the green and red luminescence. <i>Optics Communications</i> , 2011 , 284, 4496-4500	2	4
11	Three-primary-color upconversion luminescence in rare earth-doped NaLuF ₄ microtubes. <i>Journal of Materials Science</i> , 2011 , 46, 3066-3072	4.3	10
10	Directly assembling ligand-free ZnO nanocrystals into three-dimensional mesoporous structures by oriented attachment. <i>Inorganic Chemistry</i> , 2011 , 50, 5841-7	5.1	46
9	Influence of carbon templates and Yb ³⁺ concentration on red and green luminescence of uniform Y ₂ O ₃ :Yb/Er hollow microspheres. <i>Journal of Luminescence</i> , 2011 , 131, 1198-1202	3.8	26
8	Pure red upconversion emission from Yb ₃ Al ₅ O ₁₂ phase doped with high Er ³⁺ concentration. <i>Journal of Alloys and Compounds</i> , 2010 , 503, 82-85	5.7	29
7	Upconversion white-light emitting of Tm ³⁺ and Er ³⁺ codoped oxyfluoride and its achieving mechanism. <i>Materials Research Bulletin</i> , 2009 , 44, 1576-1580	5.1	14
6	Relationship between microstructure and the achieving of the single-band red upconversion fluorescence of Er ³⁺ /Yb ³⁺ codoped crystallites. <i>Journal of Alloys and Compounds</i> , 2009 , 467, 351-356	5.7	21
5	Tri-color upconversion luminescence of Rare earth doped BaTiO ₃ nanocrystals and lowered color separation. <i>Optics Express</i> , 2009 , 17, 9089-98	3.3	45

4	White upconversion of rare-earth doped ZnO nanocrystals and its dependence on size of crystal particles and content of Yb ³⁺ and Tm ³⁺ . <i>Journal of Applied Physics</i> , 2009 , 105, 084701	2.5	45
3	Single-narrow-band red upconversion fluorescence of ZnO nanocrystals codoped with Er and Yb and its achieving mechanism. <i>Journal of Applied Physics</i> , 2008 , 104, 064701	2.5	31
2	Microstructure and up-conversion luminescence properties of Er ³⁺ and Yb ³⁺ ions co-doped oxyfluoride silicates. <i>Journal of Alloys and Compounds</i> , 2008 , 454, 379-383	5.7	2
1	Spectroscopic properties of Er ³⁺ -doped and Er ³⁺ /Yb ³⁺ -codoped PbF ₂ MO _x (M = Te, Ge, B) oxyfluoride glasses. <i>Journal of Alloys and Compounds</i> , 2008 , 460, 539-543	5.7	15