

# Yunxin Liu

## List of Publications by Citations

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75  
papers

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19  
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32  
g-index

77  
ext. papers

1,383  
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
75	Magnetic tuning of upconversion luminescence in lanthanide-doped bifunctional nanocrystals. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 4366-9	16.4	166
74	Solution growth of NiO nanosheets supported on Ni foam as high-performance electrodes for supercapacitors. <i>Nanoscale Research Letters</i> , <b>2014</b> , 9, 424	5	81
73	Directly assembling ligand-free ZnO nanocrystals into three-dimensional mesoporous structures by oriented attachment. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 5841-7	5.1	46
72	Multicolor upconversion NaLuF4 fluorescent nanoprobe for plant cell imaging and detection of sodium fluorescein. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 153-161	7.1	45
71	CuO quantum-dot-sensitized mesoporous ZnO for visible-light photocatalysis. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 4319-26	4.8	45
70	Tri-color upconversion luminescence of Rare earth doped BaTiO3 nanocrystals and lowered color separation. <i>Optics Express</i> , <b>2009</b> , 17, 9089-98	3.3	45
69	White upconversion of rare-earth doped ZnO nanocrystals and its dependence on size of crystal particles and content of Yb3+ and Tm3+. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 084701	2.5	45
68	Self-assembly of ZnO nanocrystals into nanoporous pyramids: high selective adsorption and photocatalytic activity. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 6539		32
67	Energy upconversion in lanthanide-doped core/porous-shell nanoparticles. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 3257-9	5.1	31
66	Single-narrow-band red upconversion fluorescence of ZnO nanocrystals codoped with Er and Yb and its achieving mechanism. <i>Journal of Applied Physics</i> , <b>2008</b> , 104, 064701	2.5	31
65	Growth of highly mesoporous CuCo2O4@C core-shell arrays as advanced electrodes for high-performance supercapacitors. <i>Applied Surface Science</i> , <b>2018</b> , 439, 883-890	6.7	29
64	Pure red upconversion emission from Yb3Al5O12 phase doped with high Er3+ concentration. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 503, 82-85	5.7	29
63	Upconversion NaLuF4 fluorescent nanoprobe for jellyfish cell imaging and irritation assessment of organic dyes. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 6067-6076	7.1	28
62	Template-free synthesis of ordered ZnO@ZnS core-shell arrays for high performance supercapacitors. <i>Dalton Transactions</i> , <b>2016</b> , 45, 17980-17986	4.3	28
61	Influence of carbon templates and Yb3+ concentration on red and green luminescence of uniform Y2O3:Yb/Er hollow microspheres. <i>Journal of Luminescence</i> , <b>2011</b> , 131, 1198-1202	3.8	26
60	ZnO hierarchical aggregates: Solvothermal synthesis and application in dye-sensitized solar cells. <i>Nano Research</i> , <b>2013</b> , 6, 441-448	10	24
59	Relationship between microstructure and the achieving of the single-band red upconversion fluorescence of Er3+/Yb3+ codoped crystallites. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 467, 351-356	5.7	21

58	Magnetic Tuning of Upconversion Luminescence in Lanthanide-Doped Bifunctional Nanocrystals. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 4462-4465	3.6	20
57	Uniform NaLuF <sub>4</sub> 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> , <b>2016</b> , 73, 6-13	5.1	19
56	Core/shell upconversion nanoparticles with intense fluorescence for detecting doxorubicin .. <i>RSC Advances</i> , <b>2018</b> , 8, 21505-21512	3.7	19
55	Upconversion nanoparticles for differential imaging of plant cells and detection of fluorescent dyes. <i>Journal of Rare Earths</i> , <b>2016</b> , 34, 208-220	3.7	18
54	Uniform lanthanide-doped Y <sub>2</sub> O <sub>3</sub> hollow microspheres: Controlled synthesis and luminescence properties. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2011</b> , 176, 1251-1256	3.1	18
53	Nanoscale Ultrasensitive Temperature Sensing Based on Upconversion Nanoparticles with Lattice Self-Adaptation. <i>Nano Letters</i> , <b>2021</b> , 21, 272-278	11.5	18
52	Growth and electrochemical performance of porous NiMn <sub>2</sub> O <sub>4</sub> nanosheets with high specific surface areas. <i>Journal of Solid State Electrochemistry</i> , <b>2015</b> , 19, 3169-3175	2.6	17
51	Spectroscopic properties of Er <sup>3+</sup> -doped and Er <sup>3+</sup> /Yb <sup>3+</sup> -codoped PbF <sub>2</sub> M <sub>2</sub> O <sub>x</sub> (M = Te, Ge, B) oxyfluoride glasses. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 460, 539-543	5.7	15
50	Remarkable red-shift of upconversion luminescence and anti-ferromagnetic coupling in NaLuF <sub>4</sub> :Yb <sup>3+</sup> /Tm <sup>3+</sup> /Gd <sup>3+</sup> /Sm <sup>3+</sup> bifunctional microcrystals. <i>Journal of Rare Earths</i> , <b>2016</b> , 34, 166-173	3.7	14
49	Upconversion white-light emitting of Tm <sup>3+</sup> and Er <sup>3+</sup> codoped oxyfluoride and its achieving mechanism. <i>Materials Research Bulletin</i> , <b>2009</b> , 44, 1576-1580	5.1	14
48	Enhanced upconversion based on the ultrahigh local field enhancement in a multilayered UCNPs-metamaterial composite system. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 735, 372-376	5.7	13
47	Steady State Luminescence Enhancement in Plasmon Coupled Core/Shell Upconversion Nanoparticles. <i>Advanced Materials Interfaces</i> , <b>2019</b> , 6, 1802089	4.6	12
46	Direct Observation of Nanoscale Light Confinement without Metal. <i>Advanced Materials</i> , <b>2019</b> , 31, e1806341	3.4	12
45	NaLuF <sub>4</sub> :Yb <sup>3+</sup> ,Er <sup>3+</sup> bifunctional microcrystals codoped with Gd <sup>3+</sup> or Dy <sup>3+</sup> ions: Enhanced upconversion luminescence and ferromagnetic-paramagnetic transition. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 684, 105-111	5.7	11
44	Synergistic effect of crystal structure and concentration quenching on photoluminescence of Er <sup>3+</sup> doped upconversion nanocrystals. <i>Journal of Rare Earths</i> , <b>2016</b> , 34, 963-971	3.7	10
43	Enhanced upconversion luminescence through core/shell structures and its application for detecting organic dyes in opaque fishes. <i>Photochemical and Photobiological Sciences</i> , <b>2016</b> , 15, 260-5	4.2	10
42	Pure red upconversion photoluminescence and paramagnetic properties of Gd <sub>2</sub> O <sub>3</sub> :Yb <sup>3+</sup> , Er <sup>3+</sup> nanotubes prepared via a facile hydrothermal process. <i>Materials Letters</i> , <b>2012</b> , 73, 147-149	3.3	10
41	C/N-sensitized self-assembly of mesostructured TiO <sub>2</sub> nanospheres with significantly enhanced photocatalytic activity. <i>New Journal of Chemistry</i> , <b>2013</b> , 37, 2582	3.6	10

40	Enhanced red luminescence in Gd <sub>2</sub> O <sub>3</sub> :Eu <sup>3+</sup> ,Sm <sup>3+</sup> and its dependence on temperature. <i>Optics Communications</i> , <b>2014</b> , 328, 23-29	2	10
39	Three-primary-color upconversion luminescence in rare earth-doped NaLuF <sub>4</sub> microtubes. <i>Journal of Materials Science</i> , <b>2011</b> , 46, 3066-3072	4.3	10
38	Upconversion core/shell nanoparticles with lowered surface quenching for fluorescence detection of Hg ions. <i>Dalton Transactions</i> , <b>2018</b> , 47, 16445-16452	4.3	10
37	Magnetic tuning of upconversion luminescence in Au/NaGdF <sub>4</sub> :Yb/Er nanocomposite. <i>Nanotechnology</i> , <b>2017</b> , 28, 155702	3.4	9
36	Plasmonic filter with highly selective wavelength in a fixed dimension based on the loaded rectangular ring cavity. <i>Optics Communications</i> , <b>2019</b> , 439, 125-128	2	9
35	Direct evidence of reversible energy transfer between Er <sup>3+</sup> and Tm <sup>3+</sup> ions in upconversion microcrystals. <i>Journal of Rare Earths</i> , <b>2015</b> , 33, 679-685	3.7	8
34	Simultaneously optimizing fluorescent and paramagnetic properties of bifunctional NaGdF <sub>4</sub> :Yb <sup>3+</sup> /Er <sup>3+</sup> nanocrystals by crystal field tuning. <i>Materials Research Bulletin</i> , <b>2015</b> , 64, 22-26	5.1	8
33	Upconversion nanoparticle arrays for detecting glycosylated hemoglobin with high sensitivity and good reusability. <i>RSC Advances</i> , <b>2016</b> , 6, 102226-102230	3.7	7
32	Relationship between Microstructure Evolution and the Luminescent Properties of Eu <sup>3+</sup> -doped Yttrium Aluminum Garnet and Y <sub>2</sub> O <sub>3</sub> Nano-powders. <i>Journal of Materials Science and Technology</i> , <b>2013</b> , 29, 225-230	9.1	7
31	Manipulating Energy Transfer in UCNPs@SiO <sub>2</sub> @Ag Nanoparticles for Efficient Infrared Photocatalysis. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 5704-5710	5.1	7
30	Au/NaGdF <sub>4</sub> : Yb <sup>3+</sup> , Er <sup>3+</sup> hybrid fluorescent system for rapid detection of ethanol. <i>Materials Research Bulletin</i> , <b>2019</b> , 109, 155-159	5.1	7
29	Insulating plasmonic photothermal heat of Ag nanoparticles by a thin carbon shell. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 791, 380-384	5.7	6
28	Ultra-thin NiS nanosheets as advanced electrode for high energy density supercapacitors.. <i>RSC Advances</i> , <b>2020</b> , 10, 8760-8765	3.7	6
27	Simultaneous luminescence and magnetic control of NaLuF <sub>4</sub> : Yb <sup>3+</sup> /Er <sup>3+</sup> by introducing NaMnF <sub>3</sub> and the application for detecting basic fuchsin. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 745, 490-496	5.7	6
26	Controllable plasmonic sensing based on Fano resonance in a cavity coupled defective MDM waveguide. <i>Journal Physics D: Applied Physics</i> , <b>2016</b> , 49, 265109	3	6
25	Modulating upconversion luminescence through fluorescent dyes. <i>Journal of Solid State Chemistry</i> , <b>2017</b> , 255, 139-144	3.3	6
24	Synthesis of biocompatible uniform NaYF <sub>4</sub> :Yb <sup>3+</sup> ,Er <sup>3+</sup> nanocrystals and their characteristic photoluminescence. <i>Journal of Luminescence</i> , <b>2012</b> , 132, 3042-3047	3.8	6
23	Theoretical Design of Plasmonic Refractive Index Sensor Based on the Fixed Band Detection. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2019</b> , 25, 1-6	3.8	6

22	Dye-Sensitized Core/Shell Upconversion Nanoparticles for Detecting Nitrites in Plant Cells. <i>Particle and Particle Systems Characterization</i> , <b>2019</b> , 36, 1900014	3.1	5
21	Observation of high efficient photothermal conversion of sub-10 nm Au nanoparticles coated on upconversion nanoparticles. <i>Optical Materials</i> , <b>2020</b> , 101, 109665	3.3	5
20	Upconversion luminescence turning of NaREF <sub>4</sub> (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> , <b>2017</b> , 35, 120-126	3.7	4
19	Enhancement of red to orange emission ratio of YPO <sub>4</sub> :Eu <sup>3+</sup> ,Ce <sup>3+</sup> and its dependence on Ce <sup>3+</sup> concentration. <i>Journal of Rare Earths</i> , <b>2012</b> , 30, 995-999	3.7	4
18	Synthesis of NaYF <sub>4</sub> nanocrystals doped with Yb <sup>3+</sup> /Er <sup>3+</sup> and influence of citric acid on the green and red luminescence. <i>Optics Communications</i> , <b>2011</b> , 284, 4496-4500	2	4
17	Tracing of dye molecules in living plants through NaGdF <sub>4</sub> :Yb <sup>3+</sup> ,Er <sup>3+</sup> fluorescent nanoprobe. <i>Journal of Rare Earths</i> , <b>2019</b> , 37, 237-241	3.7	4
16	Upconversion NaGdF <sub>4</sub> nanoparticles for monitoring heat treatment and acid corrosion processes of hair. <i>Journal of Rare Earths</i> , <b>2016</b> , 34, 475-482	3.7	3
15	Upconversion Luminescence and Magnetic Turning of NaLuF <sub>4</sub> :Yb <sup>3+</sup> /Tm <sup>3+</sup> /Gd <sup>3+</sup> Nanoparticles and Their Application for Detecting Acriflavine. <i>Journal of Nanomaterials</i> , <b>2016</b> , 2016, 1-9	3.2	3
14	Tuning the photothermal effect of NaYF <sub>4</sub> : Yb <sup>3+</sup> , Er <sup>3+</sup> upconversion luminescent crystals through La <sup>3+</sup> ion doping. <i>Journal of Luminescence</i> , <b>2019</b> , 206, 21-26	3.8	3
13	Nanoporous fluorescent sensor based on upconversion nanoparticles for the detection of dichloromethane with high sensitivity.. <i>RSC Advances</i> , <b>2020</b> , 11, 565-571	3.7	3
12	Simultaneous enhancement of fluorescence intensity, thermometric sensitivity and SNR of upconversion thermometers via optical field localization. <i>Journal of Materials Chemistry C</i> , <b>2022</b> , 10, 5190-5199 <sup>3</sup>	7.1	3
11	Upconversion fluorescent and X-ray-sensitive bifunctional nanoprobe for assessing the penetrability of inorganic nanoparticles in the digestive system. <i>MedChemComm</i> , <b>2017</b> , 8, 1053-1062	5	2
10	Mechanistic Analysis of Embedded Copper Oxide in Organic Thin-Film Transistors with Controllable Threshold Voltage. <i>ACS Omega</i> , <b>2019</b> , 4, 8506-8511	3.9	2
9	Microstructure and up-conversion luminescence properties of Er <sup>3+</sup> and Yb <sup>3+</sup> ions co-doped oxyfluoride silicates. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 454, 379-383	5.7	2
8	Remarkable modulation effects of Ag <sup>+</sup> ion on fluorescence of Eu <sup>3+</sup> ion doped yttrium phosphate nanophosphors. <i>Materials Research Bulletin</i> , <b>2013</b> , 48, 1989-1994	5.1	1
7	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> , <b>2021</b> , 98, 335-341	2.3	1
6	Effect of Sintering Temperature on the Interfacial and Mechanical Properties of SiC Fiber Reinforced Mullite Matrix Composites. <i>Applied Composite Materials</i> , <b>2021</b> , 28, 767-776	2	1
5	Upconversion nanoparticle@Ag@C@Ag composite films for rapid temperature sensing. <i>CrystEngComm</i> , <b>2021</b> , 23, 3133-3143	3.3	0

- 4 Optical temperature sensing based on upconversion nanoparticles with enhanced sensitivity via dielectric superlensing modulation. *Journal of Materials Science*, **2021**, 56, 10438-10448 4.3 ○
- 3 Assembling TiO<sub>2</sub> nanocrystals into nanotube networks on two dimensional substrates. *RSC Advances*, **2013**, 3, 18894 3.7
- 2 Simultaneously Control the Optical and Paramagnetic Properties of Bifunctional Na(Y<sub>0.8-x</sub>Dy<sub>x</sub>Yb<sub>0.18</sub>Er<sub>0.02</sub>)F<sub>4</sub> Nanoparticles. *IEEE Journal of Selected Topics in Quantum Electronics*, **2019**, 25, 1-6 3.8
- 1 Linear stimuli-responsive upconversion luminescent nanoprobe coupled with graphene. *Optical Materials*, **2021**, 112, 110694 3.3