

# Qibin Yang

## List of Publications by Year in descending order

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34  
papers

848  
citations

516215

16  
h-index

476904

29  
g-index

34  
all docs

34  
docs citations

34  
times ranked

1161  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bi-functional NaLuF <sub>4</sub> :Gd <sup>3+</sup> /Yb <sup>3+</sup> /Tm <sup>3+</sup> nanocrystals: structure controlled synthesis, near-infrared upconversion emission and tunable magnetic properties. <i>Journal of Materials Chemistry</i> , 2012, 22, 9870.	6.7	150
2	High uniformity and monodispersity of sodium rare-earth fluoride nanocrystals: controllable synthesis, shape evolution and optical properties. <i>CrystEngComm</i> , 2011, 13, 1384-1390.	1.3	75
3	Highly Uniform Tm <sup>3+</sup> -Doped NaYbF <sub>4</sub> Microtubes: Controlled Synthesis and Intense Ultraviolet Photoluminescence. <i>Journal of Physical Chemistry C</i> , 2010, 114, 10750-10754.	1.5	56
4	Modifying crystal phase, shape, size, optical and magnetic properties of monodispersed multifunctional NaYbF <sub>4</sub> nanocrystals through lanthanide doping. <i>CrystEngComm</i> , 2011, 13, 4276.	1.3	56
5	White upconversion of rare-earth doped ZnO nanocrystals and its dependence on size of crystal particles and content of Yb <sup>3+</sup> and Tm <sup>3+</sup> . <i>Journal of Applied Physics</i> , 2009, 105, .	1.1	50
6	Tri-color upconversion luminescence of Rare earth doped BaTiO <sub>3</sub> nanocrystals and lowered color separation. <i>Optics Express</i> , 2009, 17, 9089.	1.7	49
7	Symmetry-adapted spherical harmonics method for high-resolution 3D single-particle reconstructions. <i>Journal of Structural Biology</i> , 2008, 161, 64-73.	1.3	42
8	Pure red upconversion emission from Yb <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> phase doped with high Er <sup>3+</sup> concentration. <i>Journal of Alloys and Compounds</i> , 2010, 503, 82-85.	2.8	37
9	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, .	1.1	33
10	Fabrication, formation mechanism and optical properties of novel single-crystal Er <sup>3+</sup> doped NaYbF <sub>4</sub> micro-tubes. <i>Journal of Materials Chemistry</i> , 2010, 20, 2152.	6.7	30
11	Intense ultraviolet and blue upconversion emissions in Yb <sup>3+</sup> –Tm <sup>3+</sup> codoped stoichiometric Y <sub>7</sub> O <sub>6</sub> F <sub>9</sub> powder. <i>Physica B: Condensed Matter</i> , 2011, 406, 3256-3260.	1.3	30
12	Study of fluorine losses and spectroscopic properties of Er <sup>3+</sup> doped oxyfluoride silicate glasses and glass ceramics. <i>Optical Materials</i> , 2009, 31, 1439-1442.	1.7	29
13	The effect of PbF <sub>2</sub> content on the microstructure and upconversion luminescence of Er <sup>3+</sup> -doped SiO <sub>2</sub> –PbF <sub>2</sub> –PbO glass ceramics. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 3428-3432.	1.5	25
14	Relationship between microstructure and the achieving of the single-band red upconversion fluorescence of Er <sup>3+</sup> /Yb <sup>3+</sup> codoped crystallites. <i>Journal of Alloys and Compounds</i> , 2009, 467, 351-356.	2.8	24
15	Upconversion luminescence and magnetic properties of ligand-free monodisperse lanthanide doped BaGdF <sub>5</sub> nanocrystals. <i>Journal of Luminescence</i> , 2011, 131, 2544-2549.	1.5	24
16	Spectroscopic properties of Er <sup>3+</sup> -doped and Er <sup>3+</sup> /Yb <sup>3+</sup> -codoped PbF <sub>2</sub> –MO <sub>x</sub> (M=Te, Ge, B) oxyfluoride glasses. <i>Journal of Alloys and Compounds</i> , 2008, 460, 539-543.	2.8	17
17	Multicolor upconversion emission of dispersed ultrasmall cubic Sr <sub>2</sub> LuF <sub>7</sub> nanocrystals synthesized by a solvothermal process. <i>Journal of Luminescence</i> , 2013, 134, 718-723.	1.5	17
18	Synthesis and multicolor upconversion of Tm <sup>3+</sup> /Er <sup>3+</sup> /Yb <sup>3+</sup> doped Na (Y <sub>1.5</sub> Na <sub>0.5</sub> ) F <sub>6</sub> single-crystal nanorods. <i>Journal of Alloys and Compounds</i> , 2010, 493, 476-480.	2.8	16

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19	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> , 2009, 44, 1576-1580.	2.7	15
20	An accurate analytical approach to electron crystallography. <i>Ultramicroscopy</i> , 2001, 87, 177-186.	0.8	11
21	Synergistic effect of crystal structure and concentration quenching on photoluminescence of Er <sup>3+</sup> doped upconversion nanocrystals. <i>Journal of Rare Earths</i> , 2016, 34, 963-971.	2.5	11
22	Effect of different Er <sup>3+</sup> compounds doping on microstructure and photoluminescent properties of oxyfluoride glass ceramics. <i>Physica B: Condensed Matter</i> , 2008, 403, 2417-2422.	1.3	10
23	Accurate determination of lattice parameters based on Niggli reduced cell theory by using digitized electron diffraction micrograph. <i>Micron</i> , 2017, 96, 9-15.	1.1	10
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> , 2012, 132, 3042-3047.	1.5	6
25	Solvothermal synthesis and upconversion emission of monodisperse ultrasmall SrYbF <sub>5</sub> nanocrystals. <i>Journal of Materials Science</i> , 2013, 48, 3672-3678.	1.7	6
26	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> , 2011, 284, 4496-4500.	1.0	4
27	Quantitative comparison between real space and Bloch wave methods in image simulation. <i>Micron</i> , 2017, 100, 73-78.	1.1	4
28	Application of Symmetry Adapted Function Method for Three-Dimensional Reconstruction of Octahedral Biological Macromolecules. <i>International Journal of Biomedical Imaging</i> , 2010, 2010, 1-11.	3.0	3
29	Comparison of Two Simulation Methods in Electron Crystallography: BW Method and a Modified Direct Product Method of Scattering Matrix. <i>Journal of Materials Science and Technology</i> , 2017, 33, 210-214.	5.6	3
30	A fast reciprocal space method for image simulation. <i>Ultramicroscopy</i> , 2008, 108, 1514-1519.	0.8	2
31	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> , 2008, 454, 379-383.	2.8	2
32	Structure of an Al <sub>6</sub> Cu <sub>22</sub> Co <sub>14</sub> decagonal quasicrystal studied by Cs-corrected STEM. <i>Micron</i> , 2022, 153, 103194.	1.1	1
33	Application of symmetry-adapted functions method for three-dimensional reconstruction of biological macromolecules with dihedral symmetry. <i>Journal of Biomedical Graphics and Computing</i> , 2011, 1, .	0.2	0
34	Upconversion emission and paramagnetism of colloid Ba <sub>2</sub> ErF <sub>7</sub> and Ba <sub>2</sub> ErF <sub>7</sub> :Yb <sup>3+</sup> nanocrystals synthesized with solvothermal method. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2013, 28, 1076-1081.	0.4	0