

Qibin Yang

List of Publications by Year in descending order

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34
papers

848
citations

516215

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476904

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times ranked

1161
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Structure of an Al ₆₄ Cu ₂₂ Co ₁₄ decagonal quasicrystal studied by Cs-corrected STEM. <i>Micron</i> , 2022, 153, 103194. | 1.1 | 1 |
| 2 | 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 |
| 3 | Quantitative comparison between real space and Bloch wave methods in image simulation. <i>Micron</i> , 2017, 100, 73-78. | 1.1 | 4 |
| 4 | 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 |
| 5 | 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. | 2.5 | 11 |
| 6 | Solvothermal synthesis and upconversion emission of monodisperse ultrasmall SrYbF ₅ nanocrystals. <i>Journal of Materials Science</i> , 2013, 48, 3672-3678. | 1.7 | 6 |
| 7 | Upconversion emission and paramagnetism of colloid Ba ₂ ErF ₇ and Ba ₂ ErF ₇ :Yb ³⁺ nanocrystals synthesized with solvothermal method. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2013, 28, 1076-1081. | 0.4 | 0 |
| 8 | Multicolor upconversion emission of dispersed ultrasmall cubic Sr ₂ LuF ₇ nanocrystals synthesized by a solvothermal process. <i>Journal of Luminescence</i> , 2013, 134, 718-723. | 1.5 | 17 |
| 9 | Synthesis of biocompatible uniform NaYF ₄ :Yb ³⁺ ,Er ³⁺ nanocrystals and their characteristic photoluminescence. <i>Journal of Luminescence</i> , 2012, 132, 3042-3047. | 1.5 | 6 |
| 10 | Bi-functional NaLuF ₄ :Gd ³⁺ /Yb ³⁺ /Tm ³⁺ nanocrystals: structure controlled synthesis, near-infrared upconversion emission and tunable magnetic properties. <i>Journal of Materials Chemistry</i> , 2012, 22, 9870. | 6.7 | 150 |
| 11 | 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 |
| 12 | Modifying crystal phase, shape, size, optical and magnetic properties of monodispersed multifunctional NaYbF ₄ nanocrystals through lanthanide doping. <i>CrystEngComm</i> , 2011, 13, 4276. | 1.3 | 56 |
| 13 | 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 |
| 14 | 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. | 1.0 | 4 |
| 15 | Intense ultraviolet and blue upconversion emissions in Yb ³⁺ and Tm ³⁺ codoped stoichiometric Y ₇₀ F ₆₉ powder. <i>Physica B: Condensed Matter</i> , 2011, 406, 3256-3260. | 1.3 | 30 |
| 16 | Upconversion luminescence and magnetic properties of ligand-free monodisperse lanthanide doped BaGdF ₅ nanocrystals. <i>Journal of Luminescence</i> , 2011, 131, 2544-2549. | 1.5 | 24 |
| 17 | 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 |
| 18 | Highly Uniform Tm ³⁺ -Doped NaYbF ₄ Microtubes: Controlled Synthesis and Intense Ultraviolet Photoluminescence. <i>Journal of Physical Chemistry C</i> , 2010, 114, 10750-10754. | 1.5 | 56 |

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|----|---|-----|-----------|
| 19 | Synthesis and multicolor upconversion of Tm ³⁺ /Er ³⁺ /Yb ³⁺ doped Na (Y _{1.5} Na _{0.5}) F ₆ single-crystal nanorods. <i>Journal of Alloys and Compounds</i> , 2010, 493, 476-480. | 2.8 | 16 |
| 20 | 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. | 2.8 | 37 |
| 21 | Fabrication, formation mechanism and optical properties of novel single-crystal Er ³⁺ doped NaYbF ₄ micro-tubes. <i>Journal of Materials Chemistry</i> , 2010, 20, 2152. | 6.7 | 30 |
| 22 | 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. | 2.7 | 15 |
| 23 | Study of fluorine losses and spectroscopic properties of Er ³⁺ doped oxyfluoride silicate glasses and glass ceramics. <i>Optical Materials</i> , 2009, 31, 1439-1442. | 1.7 | 29 |
| 24 | 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. | 2.8 | 24 |
| 25 | Tri-color upconversion luminescence of Rare earth doped BaTiO ₃ nanocrystals and lowered color separation. <i>Optics Express</i> , 2009, 17, 9089. | 1.7 | 49 |
| 26 | 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, . | 1.1 | 50 |
| 27 | A fast reciprocal space method for image simulation. <i>Ultramicroscopy</i> , 2008, 108, 1514-1519. | 0.8 | 2 |
| 28 | Effect of different Er ³⁺ compounds doping on microstructure and photoluminescent properties of oxyfluoride glass ceramics. <i>Physica B: Condensed Matter</i> , 2008, 403, 2417-2422. | 1.3 | 10 |
| 29 | 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 |
| 30 | The effect of PbF ₂ content on the microstructure and upconversion luminescence of Er ³⁺ -doped SiO ₂ -PbF ₂ -PbO glass ceramics. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 3428-3432. | 1.5 | 25 |
| 31 | 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 |
| 32 | 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. | 2.8 | 2 |
| 33 | 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. | 2.8 | 17 |
| 34 | An accurate analytical approach to electron crystallography. <i>Ultramicroscopy</i> , 2001, 87, 177-186. | 0.8 | 11 |