

Xiangyu Zhang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Yb ³⁺ /Er ³⁺ codoped NaYF_4 microrods: Synthesis and tuning of multicolor upconversion. Journal of Alloys and Compounds, 2013, 554, 395-399.	5.5	89
2	Formation of Bundle-Shaped NaYF_4 Upconversion Microtubes via Ostwald Ripening. ACS Applied Materials & Interfaces, 2013, 5, 9732-9739.	8.0	88
3	Efficient fluorescence emission and photon conversion of $\text{LaOF}:\text{Eu}^{3+}$ nanocrystals. Applied Physics Letters, 2011, 98, 011907.	3.3	44
4	Tuning upconversion emission by controlling particle shape in $\text{NaYF}_4:\text{Yb}^{3+}/\text{Er}^{3+}$ nanocrystals. Journal of Applied Physics, 2012, 111, .	2.5	41
5	Simultaneous spectra and dynamics processes tuning of a single upconversion microtube through Yb^{3+} doping concentration and excitation power. Physical Chemistry Chemical Physics, 2017, 19, 4288-4296.	2.8	39
6	Codopant ion-induced tunable upconversion emission in $\text{NaYF}_4:\text{Yb}^{3+}/\text{Tm}^{3+}$ nanorods. Dalton Transactions, 2013, 42, 1834-1841.	3.3	38
7	Simultaneous quasi-one-dimensional propagation and tuning of upconversion luminescence through waveguide effect. Scientific Reports, 2016, 6, 22433.	3.3	36
8	The novel upconversion properties of $\text{LiYbF}_4:\text{Er}$ microcrystals compared to the Na counterpart. CrystEngComm, 2012, 14, 8357.	2.6	26
9	Spatial control of upconversion emission in a single fluoride microcrystal via the excitation mode and native interference effect. Journal of Materials Chemistry C, 2018, 6, 622-629.	5.5	26
10	Rare-earth doped LaF_3 hollow hexagonal nanoplates: hydrothermal synthesis and photoluminescence properties. CrystEngComm, 2014, 16, 7106-7114.	2.6	24
11	Photoluminescence investigation about zinc oxide with graphene oxide & reduced graphene oxide buffer layers. Journal of Colloid and Interface Science, 2014, 416, 289-293.	9.4	22
12	Down- and up-conversion luminescence of $\text{Tm}^{3+}/\text{Ho}^{3+}$ codoped LaOF nanoparticles. Journal of Applied Physics, 2010, 107, .	2.5	20
13	Field emission mechanism insights of graphene decorated with ZnO nanoparticles. RSC Advances, 2013, 3, 14073.	3.6	20
14	The synthesis and mechanism exploration of europium-doped LiYF_4 micro-octahedron phosphors with multilevel interiors. Dalton Transactions, 2014, 43, 5453.	3.3	17
15	Excitation-power mediated optical hysteresis behavior in a single one-dimensional upconverting microcrystal. Journal of Materials Chemistry C, 2018, 6, 8011-8019.	5.5	16
16	$\text{LiYF}_4:\text{Yb}^{3+}, \text{Er}^{3+}$ upconverting submicro-particles: synthesis and formation mechanism exploration. RSC Advances, 2014, 4, 40223-40231.	3.6	14
17	Shape-selective synthesis, characterization and upconversion improvement of $\text{Yb}^{3+}/\text{Er}^{3+}$ doped LiYF_4 microphosphors through pH tuning. RSC Advances, 2014, 4, 29165.	3.6	14
18	Microstructures, surface states and field emission mechanism of graphene/tin oxide hybrids. Journal of Colloid and Interface Science, 2013, 395, 40-44.	9.4	13

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19	The effects of structural characterization on the luminescence of Eu ³⁺ -doped fluoride nano/microcrystals. CrystEngComm, 2014, 16, 11115-11121.	2.6	13
20	Enhancing the static green up-conversion luminescence of NaY(MoO ₄) ₂ :Yb/Er microcrystals <i>via</i> an annealing strategy for anti-counterfeiting applications. Dalton Transactions, 2021, 50, 7826-7834.	3.3	10
21	Extending the color response range of Yb ³⁺ concentration-dependent multimodal luminescence in Yb/Er doped fluoride microrods by annealing treatment. Ceramics International, 2021, 47, 32000-32007.	4.8	10
22	Dynamic tailorable local luminescence patterns on single upconversion fluoride microcrystals via in situ oxidation through laser irradiation. Journal of Materials Chemistry C, 2019, 7, 11879-11886.	5.5	9
23	Spectral tuning via multi-phonon-assisted stokes and anti-stokes excitations in LaF ₃ : Tm ³⁺ nanoparticles. Journal of Alloys and Compounds, 2016, 678, 212-218.	5.5	8
24	Engineering the color output in a single upconversion microtube via intervention of the electronic population. Journal of Luminescence, 2019, 205, 374-379.	3.1	4
25	Optical properties of silver nanorods by adjusting aspect ratio in experiment and simulation. , 2013, , .		0