

# Minglei Zhao

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

1,169  
citations

471061

17  
h-index

476904

29  
g-index

31  
all docs

31  
docs citations

31  
times ranked

1645  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of High-Quality Brookite TiO <sub>2</sub> Single-Crystalline Nanosheets with Specific Facets Exposed: Tuning Catalysts from Inert to Highly Reactive. <i>Journal of the American Chemical Society</i> , 2012, 134, 8328-8331.	6.6	251
2	Preparation and polymorph-sensitive luminescence properties of BiPO <sub>4</sub> :Eu, Part I: room-temperature reaction followed by a heat treatment. <i>CrystEngComm</i> , 2011, 13, 6251.	1.3	78
3	Is BiPO <sub>4</sub> a Better Luminescent Host? Case Study on Doping and Annealing Effects. <i>Inorganic Chemistry</i> , 2013, 52, 807-815.	1.9	77
4	Antibacterial and bioactive coatings on titanium implant surfaces. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 2218-2227.	2.1	77
5	Size-induced variations in bulk/surface structures and their impact on photoluminescence properties of GdVO <sub>4</sub> :Eu <sup>3+</sup> nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 9956.	1.3	71
6	Solvent-Driven Room-Temperature Synthesis of Nanoparticles BiPO <sub>4</sub> :Eu <sup>3+</sup> . <i>Inorganic Chemistry</i> , 2012, 51, 5869-5880.	1.9	67
7	Preparation of cereal-like YVO <sub>4</sub> :Ln <sup>3+</sup> (Ln = Sm, Eu, Tb, Dy) for high quantum efficiency photoluminescence. <i>Nanotechnology</i> , 2010, 21, 195601.	1.3	66
8	Control Over the Crystallinity and Defect Chemistry of YVO <sub>4</sub> Nanocrystals for Optimum Photocatalytic Property. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 2211-2220.	1.0	61
9	Structures and Polymorph-Sensitive Luminescence Properties of BiPO <sub>4</sub> /Eu Grown in Hydrothermal Conditions. <i>Crystal Growth and Design</i> , 2012, 12, 3983-3991.	1.4	60
10	Fabrication of assembled-spheres YVO <sub>4</sub> :(Ln <sup>3+</sup> , Bi <sup>3+</sup> ) towards optically tunable emission. <i>CrystEngComm</i> , 2012, 14, 2062.	1.3	44
11	Remarkable Improvement in Photocatalytic Performance for Tannery Wastewater Processing via SnS <sub>2</sub> Modified with N-Doped Carbon Quantum Dots: Synthesis, Characterization, and 4-Nitrophenol-Aided Cr(VI) Photoreduction. <i>Small</i> , 2019, 15, e1804515.	5.2	44
12	Preparation and morphology-sensitive luminescence properties of Eu <sup>3+</sup> -doped YVO <sub>4</sub> : a defect chemistry viewpoint of study. <i>CrystEngComm</i> , 2012, 14, 3227.	1.3	40
13	A facile strategy to fabricate large-scale uniform brookite TiO <sub>2</sub> nanospindles with high thermal stability and superior electrical properties. <i>Chemical Communications</i> , 2013, 49, 7046.	2.2	38
14	Lightly doping Ca <sup>2+</sup> in perovskite PrCoO <sub>3</sub> for tailored spin states and electrical properties. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 17775.	1.3	28
15	Exploring the unique electrical properties of metastable BiPO <sub>4</sub> through switchable phase transitions. <i>CrystEngComm</i> , 2013, 15, 609-615.	1.3	27
16	Morphology-controllable growth of GdVO <sub>4</sub> :Eu <sup>3+</sup> nano/microstructures for an optimum red luminescence. <i>Nanotechnology</i> , 2012, 23, 245602.	1.3	22
17	New synthetic strategies for luminescent YVO <sub>4</sub> :Ln <sup>3+</sup> (Ln = Pr, Sm, Eu, Tb, Dy). <i>TJ ETQq1</i>	1.0, 0.784314, 1.6	14, 21
18	A facile strategy to prepare YVO <sub>4</sub> :Eu <sup>3+</sup> colloid with novel nanostructure for enhanced optical performance. <i>Applied Surface Science</i> , 2019, 473, 885-892.	3.1	14

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19	Advances of solution chemistry in stabilizing different crystal phases of inorganic nano-compounds. CrystEngComm, 2016, 18, 9209-9222.	1.3	12
20	Is there lattice contraction in multicomponent metal oxides? Case study for GdVO <sub>4</sub> :Eu <sup>3+</sup> nanoparticles. Nanotechnology, 2013, 24, 305701.	1.3	11
21	Enhancement of thermal stability in bismuth phosphate by Ln <sup>3+</sup> doping for tailored luminescence properties. CrystEngComm, 2014, 16, 5040.	1.3	10
22	Making yttrium orthovanadate a better color emission host: Case study of hollow-like nanocrystals. Journal of Luminescence, 2019, 205, 548-554.	1.5	9
23	Lattice defect quenching effects on luminescence properties of Eu <sup>3+</sup> -doped YVO <sub>4</sub> nanoparticles. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	8
24	Intrinsic Reason for the Morphology Dependence of Luminescent Behavior: A Case Study with GdVO <sub>4</sub> :Eu <sup>3+</sup> Nanocrystals. European Journal of Inorganic Chemistry, 2013, 2013, 5999-6008.	1.0	7
25	BiPO <sub>4</sub> :Ln <sup>3+</sup> (Ln = Eu, Tb, Eu/Tb) nanorods: Room-temperature synthesis, reaction mechanism, and color-tunable emission. Journal of Alloys and Compounds, 2022, 893, 162314.	2.8	7
26	Spin state transition and giant dielectric constant in Pr <sub>0.987</sub> Na <sub>0.013</sub> CoO <sub>3</sub> . Applied Physics Letters, 2012, 100, 152109.	1.5	6
27	Non-rare earth containing BCNO phosphors: Chemical activation for LED application. Journal of Luminescence, 2017, 192, 428-435.	1.5	6
28	Effect of calcination temperature on the microstructure and optical properties of monodispersed self-assembled yttrium orthovanadate microspheres. Journal of Luminescence, 2021, 234, 117990.	1.5	5
29	Microstructural, crystallographic, and luminescent analysis after grinding high-temperature monoclinic bismuth phosphate. Journal of Luminescence, 2020, 225, 117345.	1.5	1
30	Nanophosphors Eu <sup>3+</sup> and BiPO <sub>4</sub> : Room-Temperature Synthesis and Optimum Luminescence Properties. Nanoscience and Nanotechnology Letters, 2013, 5, 143-146.	0.4	1