

# Xiaoyan Yang

## List of Publications by Year in descending order

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26  
papers

1,077  
citations

430874

18  
h-index

552781

26  
g-index

26  
all docs

26  
docs citations

26  
times ranked

1541  
citing authors

#	ARTICLE	IF	CITATIONS
1	Various self-assembled three-dimensional hierarchical architectures of La <sub>2</sub> (MoO <sub>4</sub> ) <sub>3</sub> : controlled synthesis, growth mechanisms, luminescence properties and adsorption activities. <i>Nanoscale</i> , 2010, 2, 995.	5.6	96
2	Hollow $\beta$ -Bi <sub>2</sub> O <sub>3</sub> @CeO <sub>2</sub> heterostructure microsphere with controllable crystal phase for efficient photocatalysis. <i>Chemical Engineering Journal</i> , 2020, 387, 124100.	12.7	92
3	EDTA-mediated hydrothermal synthesis of NaEu(MoO <sub>4</sub> ) <sub>2</sub> microrugbies with tunable size and enhanced luminescence properties. <i>CrystEngComm</i> , 2011, 13, 4921.	2.6	82
4	EDTA-mediated shape-selective synthesis of Bi <sub>2</sub> WO <sub>6</sub> hierarchical self-assemblies with high visible-light-driven photocatalytic activities. <i>CrystEngComm</i> , 2011, 13, 7267.	2.6	77
5	Synthesis of a graphene/polyaniline/MCM-41 nanocomposite and its application as a supercapacitor. <i>New Journal of Chemistry</i> , 2013, 37, 2203.	2.8	64
6	Morphology controllable synthesis of NaLa(WO <sub>4</sub> ) <sub>2</sub> : the morphology dependent photoluminescent properties and single-phased white light emission of NaLa(WO <sub>4</sub> ) <sub>2</sub> : Eu <sup>3+</sup> /Tb <sup>3+</sup> /Tm <sup>3+</sup> . <i>CrystEngComm</i> , 2014, 16, 1268.	2.6	62
7	Thermostable nitrogen-doped HTiNbO <sub>5</sub> nanosheets with a high visible-light photocatalytic activity. <i>Nano Research</i> , 2011, 4, 635-647.	10.4	61
8	Photoinduced in Situ Deposition of Uniform and Well-Dispersed PtO <sub>2</sub> Nanoparticles on ZnO Nanorods for Efficient Catalytic Reduction of 4-Nitrophenol. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 23154-23162.	8.0	60
9	Trace carbon-hybridized ZnS/ZnO hollow nanospheres with multi-enhanced visible-light photocatalytic performance. <i>Journal of Alloys and Compounds</i> , 2019, 775, 481-489.	5.5	58
10	Nitrogen-doped mesoporous nanohybrids of TiO <sub>2</sub> nanoparticles and HTiNbO <sub>5</sub> nanosheets with a high visible-light photocatalytic activity and a good biocompatibility. <i>Journal of Materials Chemistry</i> , 2012, 22, 19122.	6.7	52
11	Self-degradable template synthesis of polyaniline nanotubes and their high performance in the detection of dopamine. <i>Journal of Materials Chemistry A</i> , 2013, 1, 9775.	10.3	48
12	One-step synthesis of flowerlike C/Fe <sub>2</sub> O <sub>3</sub> nanosheet assembly with superior adsorption capacity and visible light photocatalytic performance for dye removal. <i>Carbon</i> , 2017, 116, 59-67.	10.3	43
13	Self-assembled 3D architectures of NaCe(MoO <sub>4</sub> ) <sub>2</sub> and their application as absorbents. <i>CrystEngComm</i> , 2012, 14, 7330.	2.6	40
14	Pt/ZnO@C Nanocable with Dual-Enhanced Photocatalytic Performance and Superior Photostability. <i>Langmuir</i> , 2017, 33, 4452-4460.	3.5	35
15	Magnetically recoverable hierarchical Pt/Fe <sub>2</sub> O <sub>3</sub> microflower: Superior catalytic activity and stability for reduction of 4-nitrophenol. <i>Catalysis Communications</i> , 2017, 100, 214-218.	3.3	31
16	Surfactant-free sacrificial template synthesis of submicrometer-sized YVO <sub>4</sub> :Eu <sup>3+</sup> hierarchical hollow spheres with tunable textual parameters and luminescent properties. <i>Dalton Transactions</i> , 2013, 42, 3986.	3.3	30
17	LaCO <sub>3</sub> OH microstructures with tunable morphologies: EDTA-assisted hydrothermal synthesis, formation mechanism and adsorption properties. <i>RSC Advances</i> , 2013, 3, 3907.	3.6	25
18	The synthesis of nitrogen-doped carbon nanotubes/gold composites and their application to the detection of thioridazine. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 2691-2698.	2.5	19

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19	Submicrometer-Sized Hierarchical Hollow Spheres of Heavy Lanthanide Orthovanadates: Sacrificial Template Synthesis, Formation Mechanism, and Luminescent Properties. <i>Langmuir</i> , 2013, 29, 15992-16001.	3.5	17
20	pH modulations of fluorescence LaVO <sub>4</sub> :Eu <sup>3+</sup> materials with different morphologies and structures for rapidly and sensitively detecting Fe <sup>3+</sup> ions. <i>Sensors and Actuators B: Chemical</i> , 2018, 267, 608-616.	7.8	17
21	NaY(MoO <sub>4</sub> ) <sub>2</sub> microcrystals with controlled faceting and their tunable photoluminescence properties after doping with Eu <sup>3+</sup> . <i>RSC Advances</i> , 2014, 4, 13502.	3.6	16
22	One-step hydrothermal synthesis of hierarchical nanosheet-assembled Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> microflowers with a {001} dominant facet and their superior photocatalytic performance. <i>Nanotechnology</i> , 2020, 31, 375604.	2.6	15
23	Cotton-derived carbon fiber-supported Ni nanoparticles as nanoislands to anchor single-atom Pt for efficient catalytic reduction of 4-nitrophenol. <i>Applied Catalysis A: General</i> , 2022, 643, 118734.	4.3	11
24	Diethylenediamine-assisted template-free synthesis of a hierarchical TiO <sub>2</sub> sphere-in-sphere with enhanced photocatalytic performance. <i>Dalton Transactions</i> , 2018, 47, 16502-16508.	3.3	10
25	One-step hydrothermal fabrication of erythrocyte-like ZnS/ZnO composite with superior visible light photocatalytic performance. <i>Materials Letters</i> , 2018, 228, 305-308.	2.6	10
26	Diethylenetriamine-assisted in situ synthesis of TiO <sub>2</sub> nanoparticles on carbon nanotubes with well-defined structure and enhanced photocatalytic performance. <i>RSC Advances</i> , 2017, 7, 50216-50224.	3.6	6