

Xiufang Zhang

List of Publications by Citations

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46
papers

1,003
citations

19
h-index

30
g-index

46
ext. papers

1,246
ext. citations

5.7
avg, IF

4.63
L-index

#	Paper	IF	Citations
46	A TP-FRET-based two-photon fluorescent probe for ratiometric visualization of endogenous sulfur dioxide derivatives in mitochondria of living cells and tissues. <i>Chemical Communications</i> , 2016 , 52, 10289-10292	5.8	97
45	Ratiometric Visualization of NO/HS Cross-Talk in Living Cells and Tissues Using a Nitroxyl-Responsive Two-Photon Fluorescence Probe. <i>Analytical Chemistry</i> , 2017 , 89, 4587-4594	7.8	75
44	Constructing graphene/InNbO ₄ composite with excellent adsorptivity and charge separation performance for enhanced visible-light-driven photocatalytic ability. <i>Applied Catalysis B: Environmental</i> , 2011 , 105, 237-242	21.8	74
43	Hydrogenated Bismuth Molybdate Nanoframe for Efficient Sunlight-Driven Nitrogen Fixation from Air. <i>Chemistry - A European Journal</i> , 2016 , 22, 18722-18728	4.8	73
42	Controllable electrostatic self-assembly of sub-3 nm graphene quantum dots incorporated into mesoporous Bi ₂ MoO ₆ frameworks: efficient physical and chemical simultaneous co-catalysis for photocatalytic oxidation. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 8298-8307	13	66
41	Controllable self-assembly of a novel Bi ₂ MoO ₆ -based hybrid photocatalyst: excellent photocatalytic activity under UV, visible and near-infrared irradiation. <i>Chemical Communications</i> , 2016 , 52, 6525-8	5.8	57
40	Graphitic Carbon Nitride with Carbon Vacancies for Photocatalytic Degradation of Bisphenol A. <i>ACS Applied Nano Materials</i> , 2019 , 2, 517-524	5.6	46
39	Ultra-thin C ₃ N ₄ nanosheets for rapid charge transfer in the core-shell heterojunction of Sulfur@C ₃ N ₄ for superior metal-free photocatalysis under visible light. <i>RSC Advances</i> , 2015 , 5, 15052-15058	3.7	35
38	Efficient photocatalytic dye degradation over Er-doped BiOBr hollow microspheres wrapped with graphene nanosheets: enhanced solar energy harvesting and charge separation. <i>RSC Advances</i> , 2017 , 7, 22415-22423	3.7	34
37	Bi-modified 3D BiOBr microsphere with oxygen vacancies for efficient visible-light photocatalytic performance. <i>Journal of Materials Science</i> , 2019 , 54, 9397-9413	4.3	34
36	Preparation of Bi ₂ O ₃ /g-C ₃ N ₄ nanosheet p-n junction for enhanced photocatalytic ability under visible light illumination. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2.3	26
35	Enhanced peroxymonosulfate activation on dual active sites of N vacancy modified g-CN under visible-light assistance and its selective removal of organic pollutants. <i>Science of the Total Environment</i> , 2021 , 756, 144139	10.2	26
34	Green and controllable synthesis of one-dimensional BiO/BiOI heterojunction for highly efficient visible-light-driven photocatalytic reduction of Cr(VI). <i>Chemosphere</i> , 2020 , 257, 127210	8.4	24
33	Supporting carbon quantum dots on NH ₂ -MIL-125 for enhanced photocatalytic degradation of organic pollutants under a broad spectrum irradiation. <i>Applied Surface Science</i> , 2019 , 467-468, 320-327	6.7	22
32	Photonic crystal coupled porous BiVO ₄ hybrid for efficient photocatalysis under visible light irradiation. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 17366-17370	13	21
31	A novel supramolecular preorganization route for improving g-C ₃ N ₄ /g-C ₃ N ₄ metal-free homojunction photocatalysis. <i>New Journal of Chemistry</i> , 2017 , 41, 11872-11880	3.6	20
30	Enhanced activation of peroxymonosulfate by nitrogen-doped graphene/TiO ₂ under photo-assistance for organic pollutants degradation: Insight into N doping mechanism. <i>Chemosphere</i> , 2020 , 244, 125526	8.4	20

29	Carbon quantum dots decorated BiVO ₄ quantum tube with enhanced photocatalytic performance for efficient degradation of organic pollutants under visible and near-infrared light. <i>Journal of Materials Science</i> , 2019 , 54, 6488-6499	4.3	20
28	Synthesis and properties of magnetically separable Fe ₃ O ₄ /TiO ₂ /Bi ₂ O ₃ photocatalysts. <i>Research on Chemical Intermediates</i> , 2014 , 40, 2953-2961	2.8	19
27	Towards understanding the photocatalytic activity enhancement of ordered mesoporous Bi ₂ MoO ₆ crystals prepared via a novel vacuum-assisted nanocasting method. <i>RSC Advances</i> , 2016 , 6, 35709-35718	3.7	19
26	Photoelectrocatalytic performance of conductive carbon black-modified Ti/F-PbO ₂ anode for degradation of dye wastewater (reactive brilliant blue KN-R). <i>Journal of Solid State Electrochemistry</i> , 2018 , 22, 1131-1141	2.6	19
25	Construction of Au@TiO ₂ /graphene nanocomposites with plasmonic effect and super adsorption ability for enhanced visible-light-driven photocatalytic organic pollutant degradation. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	16
24	Interfacial defect engineering over fusiform bismuth vanadate photocatalyst enables to excellent solar-to-chemical energy coupling. <i>RSC Advances</i> , 2017 , 7, 26717-26721	3.7	15
23	Electrospun nanostructured CoO/BiVO composite films for photoelectrochemical applications. <i>Journal of Colloid and Interface Science</i> , 2019 , 539, 442-447	9.3	13
22	Fabrication of black TiO ₂ /TiO ₂ homojunction for enhanced photocatalytic degradation. <i>Journal of Materials Science</i> , 2019 , 54, 14320-14329	4.3	12
21	The controllable fabrication of a novel hierarchical nanosheet-assembled Bi ₂ MoO ₆ hollow micronbox with ultra-high surface area for excellent solar to chemical energy conversion. <i>RSC Advances</i> , 2017 , 7, 50040-50043	3.7	11
20	Preparation of BiOBr by solvothermal routes with different solvents and their photocatalytic activity. <i>Journal of Renewable and Sustainable Energy</i> , 2015 , 7, 063120	2.5	11
19	Incorporation of graphene nanodots and oxygen defects triggers robust coupling between solar energy and reactive oxygen. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 5426-5435	13	9
18	Ultrathin-nanosheet-assembled Bi ₂ MoO ₆ mesoporous hollow framework for realizing optimized sunlight-driven photocatalytic water oxidation. <i>RSC Advances</i> , 2016 , 6, 102155-102158	3.7	9
17	Fabrication and photo-electrocatalytic activity of black TiO ₂ embedded Ti/PbO ₂ electrode. <i>Journal of Applied Electrochemistry</i> , 2017 , 47, 1045-1056	2.6	9
16	One-step in-situ synthesis of Bi-decorated BiOBr microspheres with abundant oxygen vacancies for enhanced photocatalytic nitrogen fixation properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 623, 126744	5.1	9
15	The p-n heterojunction with porous BiVO ₄ framework and well-distributed Co ₃ O ₄ as a super visible-light-driven photocatalyst. <i>RSC Advances</i> , 2014 , 4, 54655-54661	3.7	8
14	Multilayered TiO ₂ @SnO ₂ hollow nanostructures: facile synthesis and enhanced photocatalytic performance. <i>RSC Advances</i> , 2014 , 4, 59503-59507	3.7	7
13	Preparation of Ni Doped ZnO-TiO ₂ Composites and Their Enhanced Photocatalytic Activity. <i>International Journal of Photoenergy</i> , 2014 , 2014, 1-8	2.1	7
12	Polyvinylidene fluoride effects on the electrocatalytic properties of air cathodes in microbial fuel cells. <i>Bioelectrochemistry</i> , 2018 , 120, 138-144	5.6	7

11	Synthesis of a hydrophilic Sulfur/PDA composite as a metal-free photocatalyst with enhanced photocatalytic performance under visible light. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2017 , 54, 334-338	2.2	6
10	Improved Visible Light Photocatalytic Activity for TiO ₂ Nanomaterials by Codoping with Zinc and Sulfur. <i>Journal of Nanomaterials</i> , 2015 , 2015, 1-8	3.2	5
9	Novel visible-light irradiation niobium-doped BiOBr microspheres with enhanced photocatalytic performance. <i>Journal of Materials Science</i> , 2020 , 55, 16522-16532	4.3	5
8	Confining peroxymonosulfate activation in carbon nanotube intercalated nitrogen doped reduced graphene oxide membrane for enhanced water treatment: The role of nanoconfinement effect. <i>Journal of Colloid and Interface Science</i> , 2021 , 608, 2740-2740	9.3	4
7	Facile construction of a hierarchical Bi@BiOBr/Bi ₂ MoO ₆ ternary heterojunction with abundant oxygen vacancies for excellent photocatalytic nitrogen fixation. <i>Sustainable Energy and Fuels</i> ,	5.8	4
6	The Role of Graphene Oxide in Ag ₃ PO ₄ /graphene Oxide Composites for Enhanced Visible-light-driven Photocatalytic Ability. <i>Journal of Advanced Oxidation Technologies</i> , 2016 , 19,		3
5	Preparation of Mesoporous BiVO ₄ for Efficient Photocatalytic Degradation of RhB Under Illuminated Visible Light. <i>Journal of Advanced Oxidation Technologies</i> , 2014 , 17,		2
4	Bi-doped TiO ₂ with Remarkably Enhanced Photocatalytic Activity Under Simulated Sunlight Induced by Increased Hydrophilicity and Light Absorption Ability. <i>Journal of Advanced Oxidation Technologies</i> , 2014 , 17,		1
3	Hydrothermal carbonation carbon-based photocatalysis under visible light: Modification for enhanced removal of organic pollutant and novel insight into the photocatalytic mechanism. <i>Journal of Hazardous Materials</i> , 2021 , 127821	12.8	1
2	Controlling the up-conversion photoluminescence property of carbon quantum dots (CQDs) by modifying its surface functional groups for enhanced photocatalytic performance of CQDs/BiVO ₄ under a broad-spectrum irradiation. <i>Research on Chemical Intermediates</i> , 2021 , 47, 3469-3485	2.8	1
1	One-Pot Solvothermal Synthesis of Flower-Like S-Doped BiOCl for Enhanced Photocatalytic Property in Dye Degradation and Nitrogen Fixation. <i>ChemistrySelect</i> , 2021 , 6, 5771-5777	1.8	1