Xiufang Zhang

List of Publications by Year
in descending order

46 papers	1,468 citations	279487 23 h-index	315357 38 g-index
46 all docs	46 docs citations	46 times ranked	2187 citing authors

#	Article	IF	Citations
1	A TP-FRET-based two-photon fluorescent probe for ratiometric visualization of endogenous sulfur dioxide derivatives in mitochondria of living cells and tissues. Chemical Communications, 2016, 52, 10289-10292.	2.2	110
2	Hydrogenated Bismuth Molybdate Nanoframe for Efficient Sunlightâ€Driven Nitrogen Fixation from Air. Chemistry - A European Journal, 2016, 22, 18722-18728.	1.7	92
3	Ratiometric Visualization of NO/H₂S Cross-Talk in Living Cells and Tissues Using a Nitroxyl-Responsive Two-Photon Fluorescence Probe. Analytical Chemistry, 2017, 89, 4587-4594.	3.2	92
4	Graphitic Carbon Nitride with Carbon Vacancies for Photocatalytic Degradation of Bisphenol A. ACS Applied Nano Materials, 2019, 2, 517-524.	2.4	92
5	Constructing graphene/InNbO4 composite with excellent adsorptivity and charge separation performance for enhanced visible-light-driven photocatalytic ability. Applied Catalysis B: Environmental, 2011, 105, 237-242.	10.8	79
6	Enhanced peroxymonosulfate activation on dual active sites of N vacancy modified g-C3N4 under visible-light assistance and its selective removal of organic pollutants. Science of the Total Environment, 2021, 756, 144139.	3.9	74
7	Controllable electrostatic self-assembly of sub-3 nm graphene quantum dots incorporated into mesoporous Bi₂MoO₆ frameworks: efficient physical and chemical simultaneous co-catalysis for photocatalytic oxidation. Journal of Materials Chemistry A, 2016, 4, 8298-8307.	5.2	71
8	Controllable self-assembly of a novel Bi₂MoO₆-based hybrid photocatalyst: excellent photocatalytic activity under UV, visible and near-infrared irradiation. Chemical Communications, 2016, 52, 6525-6528.	2.2	62
9	Bi-modified 3D BiOBr microsphere with oxygen vacancies for efficient visible-light photocatalytic performance. Journal of Materials Science, 2019, 54, 9397-9413.	1.7	61
10	Green and controllable synthesis of one-dimensional Bi2O3/BiOI heterojunction for highly efficient visible-light-driven photocatalytic reduction of Cr(VI). Chemosphere, 2020, 257, 127210.	4.2	47
11	Ultra-thin C₃N₄ nanosheets for rapid charge transfer in the coreâ€“shell heterojunction of Î±-sulfur@C₃N₄ for superior metal-free photocatalysis under visible light. RSC Advances, 2015, 5, 15052-15058.	1.7	39
12	Efficient photocatalytic dye degradation over Er-doped BiOBr hollow microspheres wrapped with graphene nanosheets: enhanced solar energyÂharvesting and charge separation. RSC Advances, 2017, 7, 22415-22423.	1.7	39
13	A novel supramolecular preorganization route for improving g-C₃N₄/g-C₃N₄ metal-free homojunction photocatalysis. New Journal of Chemistry, 2017, 41, 11872-11880.	1.4	37
14	Supporting carbon quantum dots on NH2-MIL-125 for enhanced photocatalytic degradation of organic pollutants under a broad spectrum irradiation. Applied Surface Science, 2019, 467-468, 320-327.	3.1	37
15	Enhanced activation of peroxymonosulfate by nitrogen-doped graphene/TiO2 under photo-assistance for organic pollutants degradation: Insight into N doping mechanism. Chemosphere, 2020, 244, 125526.	4.2	35
16	Carbon quantum dots decorated BiVO4 quantum tube with enhanced photocatalytic performance for efficient degradation of organic pollutants under visible and near-infrared light. Journal of Materials Science, 2019, 54, 6488-6499.	1.7	34
17	Confining peroxymonosulfate activation in carbon nanotube intercalated nitrogen doped reduced graphene oxide membrane for enhanced water treatment: The role of nanoconfinement effect. Journal of Colloid and Interface Science, 2022, 608, 2740-2751.	5.0	32
18	Fabrication of black TiO2/TiO2 homojunction for enhanced photocatalytic degradation. Journal of Materials Science, 2019, 54, 14320-14329.	1.7	31

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19	Preparation of Î²-Bi2O3/g-C3N4 nanosheet pâ€“n junction for enhanced photocatalytic ability under visible light illumination. Journal of Nanoparticle Research, 2015, 17, 1.	0.8	30
20	One-step in-situ synthesis of Bi-decorated BiOBr microspheres with abundant oxygen vacancies for enhanced photocatalytic nitrogen fixation properties. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 623, 126744.	2.3	27
21	Electrospun nanostructured Co3O4/BiVO4 composite films for photoelectrochemical applications. Journal of Colloid and Interface Science, 2019, 539, 442-447.	5.0	26
22	Photoelectrocatalytic performance of conductive carbon black-modified Ti/F-PbO2 anode for degradation of dye wastewater (reactive brilliant blue KN-R). Journal of Solid State Electrochemistry, 2018, 22, 1131-1141.	1.2	24
23	Photonic crystal coupled porous BiVO₄ hybrid for efficient photocatalysis under visible light irradiation. Journal of Materials Chemistry A, 2014, 2, 17366-17370.	5.2	23
24	Synthesis and properties of magnetically separable Fe3O4/TiO2/Bi2O3 photocatalysts. Research on Chemical Intermediates, 2014, 40, 2953-2961.	1.3	21
25	Towards understanding the photocatalytic activity enhancement of ordered mesoporous Bi₂MoO₆ crystals prepared via a novel vacuum-assisted nanocasting method. RSC Advances, 2016, 6, 35709-35718.	1.7	21
26	Hydrothermal carbonation carbon-based photocatalysis under visible light: Modification for enhanced removal of organic pollutant and novel insight into the photocatalytic mechanism. Journal of Hazardous Materials, 2022, 426, 127821.	6.5	20
27	Controlling the up-conversion photoluminescence property of carbon quantum dots (CQDs) by modifying its surface functional groups for enhanced photocatalytic performance of CQDs/BiVO4 under a broad-spectrum irradiation. Research on Chemical Intermediates, 2021, 47, 3469-3485.	1.3	18
28	Facile construction of a hierarchical Bi@BiOBrâ€“Bi₂MoO₆ ternary heterojunction with abundant oxygen vacancies for excellent photocatalytic nitrogen fixation. Sustainable Energy and Fuels, 2021, 5, 2927-2933.	2.5	18
29	Construction of Au@TiO2/graphene nanocomposites with plasmonic effect and super adsorption ability for enhanced visible-light-driven photocatalytic organic pollutant degradation. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	17
30	Preparation of BiOBr by solvothermal routes with different solvents and their photocatalytic activity. Journal of Renewable and Sustainable Energy, 2015, 7, 063120.	0.8	17
31	Interfacial defect engineering over fusiform bismuth vanadate photocatalyst enables to excellent solar-to-chemical energy coupling. RSC Advances, 2017, 7, 26717-26721.	1.7	16
32	Novel visible-light irradiation niobium-doped BiOBr microspheres with enhanced photocatalytic performance. Journal of Materials Science, 2020, 55, 16522-16532.	1.7	14
33	Oneâ€Pot Solvothermal Synthesis of Flowerâ€Like Sâ€Doped BiOCl for Enhanced Photocatalytic Property in Dye Degradation and Nitrogen Fixation. ChemistrySelect, 2021, 6, 5771-5777.	0.7	14
34	Incorporation of graphene nanodots and oxygen defects triggers robust coupling between solar energy and reactive oxygen. Journal of Materials Chemistry A, 2017, 5, 5426-5435.	5.2	11
35	The controllable fabrication of a novel hierarchical nanosheet-assembled Bi₂MoO₆ hollow micronbox with ultra-high surface area for excellent solar to chemical energy conversion. RSC Advances, 2017, 7, 50040-50043.	1.7	11
36	Fabrication and photo-electrocatalytic activity of black TiO2 embedded Ti/PbO2 electrode. Journal of Applied Electrochemistry, 2017, 47, 1045-1056.	1.5	11

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37	Ultrathin-nanosheet-assembled Bi2MoO6 mesoporous hollow framework for realizing optimized sunlight-driven photocatalytic water oxidation. RSC Advances, 2016, 6, 102155-102158.	1.7	10
38	Preparation of Ni Doped ZnO-TiO₂Composites and Their Enhanced Photocatalytic Activity. International Journal of Photoenergy, 2014, 2014, 1-8.	1.4	9
39	The pâ€“n heterojunction with porous BiVO₄ framework and well-distributed Co₃O₄ as a super visible-light-driven photocatalyst. RSC Advances, 2014, 4, 54655-54661.	1.7	9
40	Multilayered TiO₂@SnO₂hollow nanostructures: facile synthesis and enhanced photocatalytic performance. RSC Advances, 2014, 4, 59503-59507.	1.7	9
41	Synthesis of a hydrophilic Î±-sulfur/PDA composite as a metal-free photocatalyst with enhanced photocatalytic performance under visible light. Journal of Macromolecular Science - Pure and Applied Chemistry, 2017, 54, 334-338.	1.2	8
42	Polyvinylidene fluoride effects on the electrocatalytic properties of air cathodes in microbial fuel cells. Bioelectrochemistry, 2018, 120, 138-144.	2.4	8
43	Improved Visible Light Photocatalytic Activity for TiO2Nanomaterials by Codoping with Zinc and Sulfur. Journal of Nanomaterials, 2015, 2015, 1-8.	1.5	6
44	The Role of Graphene Oxide in Ag3PO4/graphene Oxide Composites for Enhanced Visible-light-driven Photocatalytic Ability. Journal of Advanced Oxidation Technologies, 2016, 19, .	0.5	3
45	Preparation of Mesoporous BiVO4 for Efficient Photocatalytic Degradation of RhB Under Illuminated Visible Light. Journal of Advanced Oxidation Technologies, 2014, 17, .	0.5	2
46	Bi-doped TiO2 with Remarkably Enhanced Photocatalytic Activity Under Simulated Sunlight Induced by Increased Hydrophilicity and Light Absorption Ability. Journal of Advanced Oxidation Technologies, 2014, 17, .	0.5	1