Xin Liu

List of Publications by Year in descending order

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23 papers	1,252 citations	430754 18 h-index	642610 23 g-index
23 all docs	23 docs citations	23 times ranked	1818 citing authors

#	Article	IF	Citations
1	Synergy of adsorption and visible-light photocatalytic degradation of methylene blue by a bifunctional Z-scheme heterojunction of WO3/g-C3N4. Applied Surface Science, 2017, 405, 359-371.	3.1	281
2	In situ facile synthesis of Rh nanoparticles supported on carbon nanotubes as highly active catalysts for H2 generation from NH3BH3 hydrolysis. International Journal of Hydrogen Energy, 2015, 40, 2207-2215.	3.8	141
3	CeO₂ nanorod/g-C₃N₄/N-rGO composite: enhanced visible-light-driven photocatalytic performance and the role of N-rGO as electronic transfer media. Dalton Transactions, 2015, 44, 11223-11234.	1.6	96
4	Facile synthesis and enhanced visible-light photocatalytic activity of graphitic carbon nitride decorated with ultrafine Fe₂O₃ nanoparticles. RSC Advances, 2015, 5, 92033-92041.	1.7	75
5	A review on percarbonate-based advanced oxidation processes for remediation of organic compounds in water. Environmental Research, 2021, 200, 111371.	3.7	65
6	Facile encapsulation of nanosized SnO2 particles in carbon nanotubes as an efficient anode of Li-ion batteries. Journal of Materials Chemistry A, 2013, 1, 9527.	5.2	64
7	Efficient Photocatalytic Hydrogen Evolution on Band Structure Tuned Polytriazine/Heptazine Based Carbon Nitride Heterojunctions with Ordered Needle-like Morphology Achieved by an In Situ Molten Salt Method. Journal of Physical Chemistry C, 2017, 121, 21497-21509.	1.5	64
8	One-Pot Ionothermal Synthesized Carbon Nitride Heterojunction Nanorods for Simultaneous Photocatalytic Reduction and Oxidation Reactions: Synergistic Effect and Mechanism Insight. ACS Sustainable Chemistry and Engineering, 2019, 7, 5122-5133.	3.2	53
9	Surface defect-engineered silver silicate/ceria p-n heterojunctions with a flower-like structure for boosting visible light photocatalysis with mechanistic insight. Journal of Colloid and Interface Science, 2020, 564, 442-453.	5.0	47
10	Diffusion of Water Inside Carbon Nanotubes Studied by Pulsed Field Gradient NMR Spectroscopy. Langmuir, 2014, 30, 8036-8045.	1.6	44
11	Insight into synergistically enhanced adsorption and visible light photocatalytic performance of Z-scheme heterojunction of SrTiO 3 (La,Cr)-decorated WO 3 nanosheets. Applied Surface Science, 2017, 412, 279-289.	3.1	42
12	Insight into efficient photocatalytic elimination of tetracycline over SrTiO3(La,Cr) under visible-light irradiation: The relationship of doping and performance. Applied Surface Science, 2019, 486, 93-101.	3.1	42
13	In-situ exfoliation and assembly of 2D/2D g-C3N4/TiO2(B) hierarchical microflower: Enhanced photo-oxidation of benzyl alcohol under visible light. Carbon, 2022, 196, 401-409.	5.4	38
14	Visible light-responsive carbon-decorated p-type semiconductor CaFe 2 O 4 nanorod photocatalyst for efficient remediation of organic pollutants. Chinese Journal of Catalysis, 2017, 38, 1770-1779.	6.9	36
15	Surface defect-rich ceria quantum dots anchored on sulfur-doped carbon nitride nanotubes with enhanced charge separation for solar hydrogen production. Journal of Energy Chemistry, 2021, 52, 51-59.	7.1	33
16	p-Type CaFe2O4 semiconductor nanorods controllably synthesized by molten salt method. Journal of Energy Chemistry, 2016, 25, 381-386.	7.1	26
17	NMR Study of Preferential Endohedral Adsorption of Methanol in Multiwalled Carbon Nanotubes. Journal of Physical Chemistry C, 2012, 116, 7803-7809.	1.5	25
18	One-step hydrothermal growth of carbon nanofibers and insitu assembly of Ag nanowire@carbon nanofiber@Ag nanoparticles ternary composites for efficient photocatalytic removal of organic pollutants. Carbon, 2018, 131, 213-222.	5.4	21

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19	Alkali-mediated dissolution-recrystallization strategy for in situ construction of a BiVO4/Bi25VO40 heterojunction with promoted interfacial charge transfer: Formation mechanism and photocatalytic tetracycline degradation studies. Chemical Engineering Journal, 2022, 431, 134181.	6.6	17
20	Optimizing the Electronic Structure of ZnS via Cobalt Surface Doping for Promoted Photocatalytic Hydrogen Production. Inorganic Chemistry, 2021, 60, 15712-15723.	1.9	14
21	Direct Z-scheme hierarchical heterostructures of oxygen-doped g-C₃N₄/In₂S₃ with efficient photocatalytic Cr(<scp>vi</scp>) reduction activity. Catalysis Science and Technology, 2021, 11, 7963-7972.	2.1	13
22	Facile Assembly of InVO4/TiO2 Heterojunction for Enhanced Photo-Oxidation of Benzyl Alcohol. Nanomaterials, 2022, 12, 1544.	1.9	12
23	A study of oxidizing centers in carbon nanotubes by solid-state NMR. RSC Advances, 2015, 5, 60380-60385.	1.7	3