

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	Alkali-mediated dissolution-recrystallization strategy for in situ construction of a BiVO ₄ /Bi ₂₅ VO ₄₀ heterojunction with promoted interfacial charge transfer: Formation mechanism and photocatalytic tetracycline degradation studies. <i>Chemical Engineering Journal</i> , 2022, 431, 134181.	6.6	17
2	Facile Assembly of InVO ₄ /TiO ₂ Heterojunction for Enhanced Photo-Oxidation of Benzyl Alcohol. <i>Nanomaterials</i> , 2022, 12, 1544.	1.9	12
3	In-situ exfoliation and assembly of 2D/2D g-C ₃ N ₄ /TiO ₂ (B) hierarchical microflower: Enhanced photo-oxidation of benzyl alcohol under visible light. <i>Carbon</i> , 2022, 196, 401-409.	5.4	38
4	A review on percarbonate-based advanced oxidation processes for remediation of organic compounds in water. <i>Environmental Research</i> , 2021, 200, 111371.	3.7	65
5	Optimizing the Electronic Structure of ZnS via Cobalt Surface Doping for Promoted Photocatalytic Hydrogen Production. <i>Inorganic Chemistry</i> , 2021, 60, 15712-15723.	1.9	14
6	Surface defect-rich ceria quantum dots anchored on sulfur-doped carbon nitride nanotubes with enhanced charge separation for solar hydrogen production. <i>Journal of Energy Chemistry</i> , 2021, 52, 51-59.	7.1	33
7	Direct Z-scheme hierarchical heterostructures of oxygen-doped g-C ₃ N ₄ /In ₂ S ₃ with efficient photocatalytic Cr(VI) reduction activity. <i>Catalysis Science and Technology</i> , 2021, 11, 7963-7972.	2.1	13
8	Surface defect-engineered silver silicate/ceria p-n heterojunctions with a flower-like structure for boosting visible light photocatalysis with mechanistic insight. <i>Journal of Colloid and Interface Science</i> , 2020, 564, 442-453.	5.0	47
9	One-Pot Ionothermal Synthesized Carbon Nitride Heterojunction Nanorods for Simultaneous Photocatalytic Reduction and Oxidation Reactions: Synergistic Effect and Mechanism Insight. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 5122-5133.	3.2	53
10	Insight into efficient photocatalytic elimination of tetracycline over SrTiO ₃ (La,Cr) under visible-light irradiation: The relationship of doping and performance. <i>Applied Surface Science</i> , 2019, 486, 93-101.	3.1	42
11	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. <i>Carbon</i> , 2018, 131, 213-222.	5.4	21
12	Synergy of adsorption and visible-light photocatalytic degradation of methylene blue by a bifunctional Z-scheme heterojunction of WO ₃ /g-C ₃ N ₄ . <i>Applied Surface Science</i> , 2017, 405, 359-371.	3.1	281
13	Insight into synergistically enhanced adsorption and visible light photocatalytic performance of Z-scheme heterojunction of SrTiO ₃ (La,Cr)-decorated WO ₃ nanosheets. <i>Applied Surface Science</i> , 2017, 412, 279-289.	3.1	42
14	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. <i>Journal of Physical Chemistry C</i> , 2017, 121, 21497-21509.	1.5	64
15	Visible light-responsive carbon-decorated p-type semiconductor CaFe ₂ O ₄ nanorod photocatalyst for efficient remediation of organic pollutants. <i>Chinese Journal of Catalysis</i> , 2017, 38, 1770-1779.	6.9	36
16	p-Type CaFe ₂ O ₄ semiconductor nanorods controllably synthesized by molten salt method. <i>Journal of Energy Chemistry</i> , 2016, 25, 381-386.	7.1	26
17	In situ facile synthesis of Rh nanoparticles supported on carbon nanotubes as highly active catalysts for H ₂ generation from NH ₃ BH ₃ hydrolysis. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 2207-2215.	3.8	141
18	A study of oxidizing centers in carbon nanotubes by solid-state NMR. <i>RSC Advances</i> , 2015, 5, 60380-60385.	1.7	3

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19	CeO ₂ nanorod/g-C ₃ N ₄ /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
20	Facile synthesis and enhanced visible-light photocatalytic activity of graphitic carbon nitride decorated with ultrafine Fe ₂ O ₃ nanoparticles. RSC Advances, 2015, 5, 92033-92041.	1.7	75
21	Diffusion of Water Inside Carbon Nanotubes Studied by Pulsed Field Gradient NMR Spectroscopy. Langmuir, 2014, 30, 8036-8045.	1.6	44
22	Facile encapsulation of nanosized SnO ₂ particles in carbon nanotubes as an efficient anode of Li-ion batteries. Journal of Materials Chemistry A, 2013, 1, 9527.	5.2	64
23	NMR Study of Preferential Endohedral Adsorption of Methanol in Multiwalled Carbon Nanotubes. Journal of Physical Chemistry C, 2012, 116, 7803-7809.	1.5	25