

Xiang Liu

List of Publications by Year in descending order

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24
papers

784
citations

567281

15
h-index

610901

24
g-index

26
all docs

26
docs citations

26
times ranked

1044
citing authors

#	ARTICLE	IF	CITATIONS
1	A special synthesis of BiOCl photocatalyst for efficient pollutants removal: New insight into the band structure regulation and molecular oxygen activation. <i>Applied Catalysis B: Environmental</i> , 2019, 256, 117872.	20.2	136
2	A facile solvothermal approach of novel Bi ₂ S ₃ /TiO ₂ /RGO composites with excellent visible light degradation activity for methylene blue. <i>Applied Surface Science</i> , 2017, 396, 58-66.	6.1	81
3	Fabrication of a Z-Scheme {001}/{110} Facet Heterojunction in BiOCl to Promote Spatial Charge Separation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 31532-31541.	8.0	67
4	A facile approach for the synthesis of Z-scheme photocatalyst ZIF-8/g-C ₃ N ₄ with highly enhanced photocatalytic activity under simulated sunlight. <i>New Journal of Chemistry</i> , 2018, 42, 12180-12187.	2.8	66
5	Hydrothermal synthesis of graphene/Fe ³⁺ -doped TiO ₂ nanowire composites with highly enhanced photocatalytic activity under visible light irradiation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 15214-15224.	10.3	64
6	Enhancing the photocatalytic degradation of salicylic acid by using molecular imprinted S-doped TiO ₂ under simulated solar light. <i>Ceramics International</i> , 2014, 40, 8863-8867.	4.8	41
7	One-step synthesis of Bi ₂ MoO ₆ /reduced graphene oxide aerogel composite with enhanced adsorption and photocatalytic degradation performance for methylene blue. <i>Materials Science in Semiconductor Processing</i> , 2018, 88, 214-223.	4.0	39
8	1T and 2H mixed phase MoS ₂ nanobelts coupled with Ti ³⁺ self-doped TiO ₂ nanosheets for enhanced photocatalytic degradation of RhB under visible light. <i>Applied Surface Science</i> , 2021, 556, 149768.	6.1	38
9	Facile synthesis of N-F codoped and molecularly imprinted TiO ₂ for enhancing photocatalytic degradation of target contaminants. <i>Applied Surface Science</i> , 2016, 364, 829-836.	6.1	35
10	A novel visible-light-driven ternary Ag@Ag ₂ O/BiOCl Z-scheme photocatalyst with enhanced removal efficiency of RhB. <i>New Journal of Chemistry</i> , 2019, 43, 13929-13937.	2.8	25
11	One-pot conversion of furfural to gamma-valerolactone in the presence of multifunctional zirconium alizarin red S hybrid. <i>Applied Catalysis A: General</i> , 2021, 621, 118203.	4.3	24
12	A convenient approach of MIP/Co-TiO ₂ nanocomposites with highly enhanced photocatalytic activity and selectivity under visible light irradiation. <i>RSC Advances</i> , 2016, 6, 69326-69333.	3.6	23
13	Synthesis of Mo-doped TiO ₂ nanowires/reduced graphene oxide composites with enhanced photodegradation performance under visible light irradiation. <i>RSC Advances</i> , 2016, 6, 23809-23815.	3.6	23
14	A facile solvothermal approach for the synthesis of novel W-doped TiO ₂ nanoparticles/reduced graphene oxide composites with enhanced photodegradation performance under visible light irradiation. <i>New Journal of Chemistry</i> , 2017, 41, 13382-13390.	2.8	22
15	A novel ternary MQDs/NCDs/TiO ₂ nanocomposite that collaborates with activated persulfate for efficient RhB degradation under visible light irradiation. <i>New Journal of Chemistry</i> , 2021, 45, 1327-1338.	2.8	17
16	One-pot synthesis of 3D porous Bi ₇ O ₉ I ₃ /N-doped graphene aerogel with enhanced photocatalytic activity for organic dye degradation in wastewater. <i>Ceramics International</i> , 2021, 47, 19556-19566.	4.8	17
17	Enantioselective reduction of acetophenone analogues using carrot and celeriac enzymes system. <i>Chinese Chemical Letters</i> , 2010, 21, 305-308.	9.0	14
18	ASYMMETRIC REDUCTION OF AROMATIC KETONES BY THE BAKER'S YEAST IN ORGANIC SOLVENT SYSTEMS. <i>Synthetic Communications</i> , 2001, 31, 1521-1526.	2.1	10

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19	Asymmetric Hydrosilylation of Aromatic Ketones Catalyzed by an Economical and Effective Copper- δ -Diphosphine Catalytic System in Air. Chinese Journal of Chemistry, 2015, 33, 578-582.	4.9	10
20	One-pot hydrothermal synthesis of $\text{CuBi}_2\text{O}_4/\text{BiOCl}$ heterojunction with enhanced photocatalytic performance for the degradation of tetracycline hydrochloride under visible light irradiation. New Journal of Chemistry, 2022, 46, 2898-2907.	2.8	9
21	Asymmetric reduction of α -hydroxy aromatic ketones to chiral aryl vicinal diols using carrot enzymes system. Chinese Chemical Letters, 2012, 23, 635-638.	9.0	8
22	New insights into the structure and catalytic performance of alizarin-zirconium hybrids for Meerwein-Ponndorf-Verley reductions: first-principles approach. Sustainable Energy and Fuels, 2021, 5, 4069-4079.	4.9	7
23	MOF-5-derived ZnO/C nanoparticles combined with MnO_2 for the efficient degradation of tetracycline under visible light. New Journal of Chemistry, 2022, 46, 7346-7354.	2.8	5
24	Microwave-assisted synthesis of α -hydroxy aromatic ketones from α -bromo aromatic ketones in water. Chinese Chemical Letters, 2011, 22, 53-56.	9.0	3