

Quanlong Xu

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

8,278
citations

257450

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434195

31
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33
all docs

33
docs citations

33
times ranked

5743
citing authors

#	ARTICLE	IF	CITATIONS
1	S-Scheme Heterojunction Photocatalyst. <i>Chem</i> , 2020, 6, 1543-1559.	11.7	1,993
2	Ultrathin 2D/2D WO ₃ /g-C ₃ N ₄ step-scheme H ₂ -production photocatalyst. <i>Applied Catalysis B: Environmental</i> , 2019, 243, 556-565.	20.2	1,895
3	Direct Z-scheme photocatalysts: Principles, synthesis, and applications. <i>Materials Today</i> , 2018, 21, 1042-1063.	14.2	1,134
4	Review on Metal Sulphide-based Z-scheme Photocatalysts. <i>ChemCatChem</i> , 2019, 11, 1394-1411.	3.7	439
5	Constructing 2D/2D Fe ₂ O ₃ /g-C ₃ N ₄ Direct Z-scheme Photocatalysts with Enhanced H ₂ Generation Performance. <i>Solar Rrl</i> , 2018, 2, 1800006.	5.8	403
6	Making co-condensed amorphous carbon/g-C ₃ N ₄ composites with improved visible-light photocatalytic H ₂ -production performance using Pt as cocatalyst. <i>Carbon</i> , 2017, 118, 241-249.	10.3	356
7	Photocatalytic H ₂ evolution on graphdiyne/g-C ₃ N ₄ hybrid nanocomposites. <i>Applied Catalysis B: Environmental</i> , 2019, 255, 117770.	20.2	284
8	Design principle of S-scheme heterojunction photocatalyst. <i>Journal of Materials Science and Technology</i> , 2022, 124, 171-173.	10.7	257
9	Cubic anatase TiO ₂ nanocrystals with enhanced photocatalytic CO ₂ reduction activity. <i>Chemical Communications</i> , 2015, 51, 7950-7953.	4.1	209
10	Efficient Removal of Formaldehyde by Nanosized Gold on Well-Defined CeO ₂ Nanorods at Room Temperature. <i>Environmental Science & Technology</i> , 2014, 48, 9702-9708.	10.0	194
11	Novel g-C ₃ N ₄ /g-C ₃ N ₄ S-scheme isotype heterojunction for improved photocatalytic hydrogen generation. <i>Applied Surface Science</i> , 2019, 495, 143555.	6.1	166
12	Enhanced visible-light photocatalytic H ₂ -generation activity of carbon/g-C ₃ N ₄ nanocomposites prepared by two-step thermal treatment. <i>Dalton Transactions</i> , 2017, 46, 10611-10619.	3.3	128
13	Constructing hierarchical ZnIn ₂ S ₄ /g-C ₃ N ₄ S-scheme heterojunction for boosted CO ₂ photoreduction performance. <i>Chemical Engineering Journal</i> , 2022, 437, 135153.	12.7	102
14	Layered manganese oxides for formaldehyde-oxidation at room temperature: the effect of interlayer cations. <i>RSC Advances</i> , 2015, 5, 100434-100442.	3.6	92
15	Origin of Tunable Photocatalytic Selectivity of Well-Defined Fe ₂ O ₃ Nanocrystals. <i>Small</i> , 2014, 10, 674-679.	10.0	88
16	Enhanced Visible-Light Hydrogen Production Activity of Copper-Modified ZnCdS. <i>ChemSusChem</i> , 2013, 6, 2009-2015.	6.8	66
17	Fabricating covalent organic framework/CdS S-scheme heterojunctions for improved solar hydrogen generation. <i>Chinese Journal of Catalysis</i> , 2022, 43, 350-358.	14.0	66
18	Construction of highly active WO ₃ /TpPa-1-COF S-scheme heterojunction toward photocatalytic H ₂ generation. <i>Journal of Materials Science and Technology</i> , 2022, 123, 41-48.	10.7	61

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19	High-efficient separation of photoinduced carriers on double Z-scheme heterojunction for superior photocatalytic CO ₂ reduction. Journal of Colloid and Interface Science, 2020, 564, 303-312.	9.4	46
20	Recent advances in solar-driven CO ₂ reduction over g-C ₃ N ₄ -based photocatalysts. , 2023, 5, .		38
21	Oxygen vacancy engineering of Bi ₂ O ₂ CO ₃ hierarchical microspheres for enhanced adsorption of Cd ²⁺ ions and photocatalytic degradation of Rhodamine B. Applied Surface Science, 2020, 512, 145647.	6.1	36
22	2D/2D nanohybrid of Ti ₃ C ₂ MXene/WO ₃ photocatalytic membranes for efficient water purification. Ceramics International, 2022, 48, 3659-3668.	4.8	36
23	Recent Advances in Opal/Inverted Opal Photonic Crystal Photocatalysts. Solar Rrl, 2021, 5, 2000541.	5.8	31
24	Catalytic activity of gold nanoparticles supported on KNbO ₃ microcubes. Catalysis Today, 2014, 224, 140-146.	4.4	29
25	Low-dimensional MXenes as noble metal-free co-catalyst for solar-to-fuel production: Progress and prospects. Journal of Materials Science and Technology, 2022, 114, 143-164.	10.7	28
26	ZnO nanowire arrays decorated 3D N-doped reduced graphene oxide nanotube framework for enhanced photocatalytic CO ₂ reduction performance. Journal of CO ₂ Utilization, 2021, 50, 101584.	6.8	25
27	Gd-doped CuBi ₂ O ₄ /CuO heterojunction film photocathodes for photoelectrochemical H ₂ O ₂ production through oxygen reduction. Nano Research, 2021, 14, 3439-3445.	10.4	23
28	Controllable Synthesis of g-C ₃ N ₄ /Inverse Opal Photocatalysts for Superior Hydrogen Evolution. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2020, .	4.9	20
29	Vertical growth of SnS ₂ nanobelt arrays on CuSbS ₂ nanosheets for enhanced photocatalytic reduction of CO ₂ . Chemical Communications, 2021, 57, 10419-10422.	4.1	10
30	Noble Metal-Free Heterojunction of Ultrathin Ti ₃ C ₂ MXene/WO ₃ for Boosted Visible-Light-Driven Photoreactivity. Advanced Sustainable Systems, 2023, 7, .	5.3	8
31	Delocalized Electrons via In Situ CNT Growth on Au/g-C ₃ N ₄ for Boosting Photocatalytic H ₂ Evolution. Advanced Sustainable Systems, 2023, 7, .	5.3	8
32	Enhanced Selective Photooxidation of Toluene to Benzaldehyde over Co ₃ O ₄ -Modified BiOBr/AgBr S-scheme Heterojunction. Solar Rrl, 2022, 6, .	5.8	7
33	Graphene oxide-based heterojunction photocatalysts. , 2022, , 173-188.		0