

Zemin Zhang

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	CuBi ₂ O ₄ photocathode with integrated electric field for enhanced H ₂ O ₂ production. Applied Catalysis B: Environmental, 2022, 304, 120980.	20.2	27
2	Computation-assisted performance optimization for photoelectrochemical photoelectrodes. Applied Physics Letters, 2022, 120, .	3.3	4
3	Enhanced charge collection and surface activity of a CuBi ₂ O ₄ photocathode <i>via</i> crystal facet engineering. Journal of Materials Chemistry A, 2022, 10, 9427-9434.	10.3	9
4	BiFeO ₃ photocathodes for efficient H ₂ O ₂ production <i>via</i> charge carrier dynamics engineering. Materials Horizons, 2022, 9, 1999-2006.	12.2	13
5	CuBi ₂ O ₄ : Electronic Structure, Optical Properties, and Photoelectrochemical Performance Limitations of the Photocathode. Chemistry of Materials, 2021, 33, 934-945.	6.7	45
6	Understanding the Role of Oxygen and Hydrogen Defects in Modulating the Optoelectronic Properties of P-Type Metal Oxide Semiconductors. Chemistry of Materials, 2021, 33, 7829-7838.	6.7	12
7	Fermi Level Engineering of Passivation and Electron Transport Materials for p-Type CuBi ₂ O ₄ Employing a High-Throughput Methodology. Advanced Functional Materials, 2020, 30, 2000948.	14.9	28
8	Beneficial CuO Phase Segregation in the Ternary p-Type Oxide Photocathode CuBi ₂ O ₄ . ACS Applied Energy Materials, 2019, 2, 4111-4117.	5.1	48
9	Carbon quantum dots based charge bridge between photoanode and electrocatalysts for efficiency water oxidation. Electrochimica Acta, 2018, 273, 208-215.	5.2	25
10	Significantly improved charge collection and interface injection in 3D BiVO ₄ based multilayered core-shell nanowire photocatalysts. Nanoscale, 2017, 9, 14015-14022.	5.6	23
11	Enhanced charge separation and transfer through Fe ₂ O ₃ /ITO nanowire arrays wrapped with reduced graphene oxide for water-splitting. Nano Energy, 2016, 30, 892-899.	16.0	71
12	Toward efficient photoelectrochemical water-splitting by using screw-like SnO ₂ nanostructures as photoanode after being decorated with CdS quantum dots. Nano Energy, 2016, 19, 318-327.	16.0	139
13	Self-Powered Photodetector Based on p-Type CuBi ₂ O ₄ with Fermi Level Engineering. Advanced Materials Interfaces, 0, , 2101443.	3.7	3
14	Enhanced Photocarrier Collection in Bismuth Vanadate Photoanode through Modulating the Inner Potential Distribution. Advanced Optical Materials, 0, , 2200046.	7.3	1