

Zichao Lian

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,631
citations

430874

18
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

2688
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanotube-confinement induced size-controllable g-C ₃ N ₄ quantum dots modified single-crystalline TiO ₂ nanotube arrays for stable synergetic photoelectrocatalysis. <i>Nano Energy</i> , 2016, 19, 446-454.	16.0	329
2	C ₆₀ -Decorated CdS/TiO ₂ Mesoporous Architectures with Enhanced Photostability and Photocatalytic Activity for H ₂ Evolution. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 4533-4540.	8.0	148
3	Pt-Enhanced Mesoporous Ti ³⁺ /TiO ₂ with Rapid Bulk to Surface Electron Transfer for Photocatalytic Hydrogen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 16959-16966.	8.0	147
4	Ionothermal synthesis of black Ti ³⁺ -doped single-crystal TiO ₂ as an active photocatalyst for pollutant degradation and H ₂ generation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 3748-3756.	10.3	141
5	Plasmonic silver quantum dots coupled with hierarchical TiO ₂ nanotube arrays photoelectrodes for efficient visible-light photoelectrocatalytic hydrogen evolution. <i>Scientific Reports</i> , 2015, 5, 10461.	3.3	113
6	Plasmonic p-n Junction for Infrared Light to Chemical Energy Conversion. <i>Journal of the American Chemical Society</i> , 2019, 141, 2446-2450.	13.7	110
7	Near infrared light induced plasmonic hot hole transfer at a nano-heterointerface. <i>Nature Communications</i> , 2018, 9, 2314.	12.8	103
8	Femtosecond time-resolved spectroscopic observation of long-lived charge separation in bimetallic sulfide/g-C ₃ N ₄ for boosting photocatalytic H ₂ evolution. <i>Applied Catalysis B: Environmental</i> , 2021, 282, 119568.	20.2	97
9	C ₆₀ /Bi ₂ TiO ₄ F ₂ Heterojunction Photocatalysts with Enhanced Visible-Light Activity for Environmental Remediation. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 7190-7197.	8.0	72
10	An efficient dye-sensitized BiOCl photocatalyst for air and water purification under visible light irradiation. <i>Environmental Sciences: Processes and Impacts</i> , 2014, 16, 1975-1980.	3.5	66
11	Deep-Ultraviolet Blue-Light Surface Plasmon Resonance of Al and Al ₂ O ₃ shell in Spherical and Cylindrical Nanostructures. <i>Journal of Physical Chemistry C</i> , 2012, 116, 15584-15590.	3.1	58
12	Anomalous Photoinduced Hole Transport in Type I Core/Mesoporous-Shell Nanocrystals for Efficient Photocatalytic H ₂ Evolution. <i>ACS Nano</i> , 2019, 13, 8356-8363.	14.6	44
13	Solid-Phase Microwave Reduction of WO ₃ by GO for Enhanced Synergistic Photo-Fenton Catalytic Degradation of Bisphenol A. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 32604-32614.	8.0	41
14	Efficient Self-Driving Photoelectrocatalytic Reactor for Synergistic Water Purification and H ₂ Evolution. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 44731-44742.	8.0	33
15	Durian-Shaped CdS@ZnSe Core@Mesoporous-Shell Nanoparticles for Enhanced and Sustainable Photocatalytic Hydrogen Evolution. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 2212-2217.	4.6	31
16	Microwave-assisted ionothermal synthesis of hierarchical microcube-like BiOBr with enhanced photocatalytic activity. <i>Chinese Journal of Catalysis</i> , 2018, 39, 1411-1417.	14.0	29
17	Polarization field promoted photoelectrocatalysis for synergistic environmental remediation and H ₂ production. <i>Chemical Engineering Journal</i> , 2022, 437, 135132.	12.7	20
18	Photoelectrocatalytic reduction of CO ₂ to methanol over a photosystem II-enhanced Cu foam/Si-nanowire system. <i>Journal of Environmental Sciences</i> , 2017, 60, 108-113.	6.1	19

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19	Defect-Mediated Electron Transfer in Pt-CuInS ₂ /CdS Heterostructured Nanocrystals for Enhanced Photocatalytic H ₂ Evolution. ACS Applied Nano Materials, 2022, 5, 7704-7713.	5.0	18
20	Type-I CdSe/ZnS Heteronanoplatelets Exhibit Enhanced Photocatalytic Hydrogen Evolution by Interfacial Trap-Mediated Hole Transfer. Journal of Physical Chemistry C, 2021, 125, 23945-23951.	3.1	12
21	Plasmon-Induced Carrier Transfer for Infrared Light Energy Conversion. , 2020, , 211-222.		0