

# Zichao Lian

## List of Publications by Year in descending order

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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	Polarization field promoted photoelectrocatalysis for synergistic environmental remediation and H <sub>2</sub> production. <i>Chemical Engineering Journal</i> , 2022, 437, 135132.	12.7	20
2	Defect-Mediated Electron Transfer in Pt-CuInS <sub>2</sub> /CdS Heterostructured Nanocrystals for Enhanced Photocatalytic H <sub>2</sub> Evolution. <i>ACS Applied Nano Materials</i> , 2022, 5, 7704-7713.	5.0	18
3	Femtosecond time-resolved spectroscopic observation of long-lived charge separation in bimetallic sulfide/g-C <sub>3</sub> N <sub>4</sub> for boosting photocatalytic H <sub>2</sub> evolution. <i>Applied Catalysis B: Environmental</i> , 2021, 282, 119568.	20.2	97
4	Type-I CdSe/ZnS Heteronanoplatelets Exhibit Enhanced Photocatalytic Hydrogen Evolution by Interfacial Trap-Mediated Hole Transfer. <i>Journal of Physical Chemistry C</i> , 2021, 125, 23945-23951.	3.1	12
5	Efficient Self-Driving Photoelectrocatalytic Reactor for Synergistic Water Purification and H <sub>2</sub> Evolution. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 44731-44742.	8.0	33
6	Solid-Phase Microwave Reduction of WO <sub>3</sub> by GO for Enhanced Synergistic Photo-Fenton Catalytic Degradation of Bisphenol A. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 32604-32614.	8.0	41
7	Plasmon-Induced Carrier Transfer for Infrared Light Energy Conversion. , 2020, , 211-222.		0
8	Anomalous Photoinduced Hole Transport in Type I Core/Mesoporous-Shell Nanocrystals for Efficient Photocatalytic H <sub>2</sub> Evolution. <i>ACS Nano</i> , 2019, 13, 8356-8363.	14.6	44
9	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
10	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
11	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
12	Near infrared light induced plasmonic hot hole transfer at a nano-heterointerface. <i>Nature Communications</i> , 2018, 9, 2314.	12.8	103
13	Photoelectrocatalytic reduction of CO <sub>2</sub> 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
14	Pt-Enhanced Mesoporous Ti <sup>3+</sup> /TiO <sub>2</sub> with Rapid Bulk to Surface Electron Transfer for Photocatalytic Hydrogen Evolution. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 16959-16966.	8.0	147
15	Nanotube-confinement induced size-controllable g-C <sub>3</sub> N <sub>4</sub> quantum dots modified single-crystalline TiO <sub>2</sub> nanotube arrays for stable synergetic photoelectrocatalysis. <i>Nano Energy</i> , 2016, 19, 446-454.	16.0	329
16	C <sub>60</sub> -Decorated CdS/TiO <sub>2</sub> Mesoporous Architectures with Enhanced Photostability and Photocatalytic Activity for H <sub>2</sub> Evolution. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 4533-4540.	8.0	148
17	Plasmonic silver quantum dots coupled with hierarchical TiO <sub>2</sub> nanotube arrays photoelectrodes for efficient visible-light photoelectrocatalytic hydrogen evolution. <i>Scientific Reports</i> , 2015, 5, 10461.	3.3	113
18	Ionothermal synthesis of black Ti <sup>3+</sup> -doped single-crystal TiO <sub>2</sub> as an active photocatalyst for pollutant degradation and H <sub>2</sub> generation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 3748-3756.	10.3	141

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19	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
20	C <sub>60</sub> /Bi <sub>2</sub> TiO <sub>4</sub> F <sub>2</sub> Heterojunction Photocatalysts with Enhanced Visible-Light Activity for Environmental Remediation. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 7190-7197.	8.0	72
21	Deep-Ultraviolet "Blue-Light Surface Plasmon Resonance of Al and Al <sub>core</sub> /Al <sub>2</sub> O <sub>3</sub> shell in Spherical and Cylindrical Nanostructures. <i>Journal of Physical Chemistry C</i> , 2012, 116, 15584-15590.	3.1	58