

# Xiaolong Zhao

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

1,194  
citations

516561

16  
h-index

580701

25  
g-index

25  
all docs

25  
docs citations

25  
times ranked

1630  
citing authors

#	ARTICLE	IF	CITATIONS
1	Solid-state Al-air battery with an ethanol gel electrolyte. <i>Green Energy and Environment</i> , 2023, 8, 1117-1127.	4.7	12
2	Paper-based aqueous Al ion battery with water-in-salt electrolyte. <i>Green Energy and Environment</i> , 2023, 8, 1380-1388.	4.7	5
3	UV light-induced oxygen doping in graphitic carbon nitride with suppressed deep trapping for enhancement in CO <sub>2</sub> photoreduction activity. <i>Journal of Materials Science and Technology</i> , 2023, 133, 135-144.	5.6	13
4	Integrating micro metal-air batteries in lateral flow test for point-of-care applications. <i>International Journal of Energy Research</i> , 2022, 46, 137-146.	2.2	7
5	Bifunctional Mn <sup>2+</sup> grafted Ultra-small TiO <sub>2</sub> nanoparticles on carbon cloth with efficient toluene degradation in a continuous flow reactor. <i>Chemical Engineering Science</i> , 2022, 250, 117389.	1.9	3
6	High-performance solid-state metal-air batteries with an innovative dual-gel electrolyte. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 15024-15034.	3.8	13
7	High-performance H <sub>2</sub> O <sub>2</sub> paper fuel cell boosted via electrolyte toning and radical generation. <i>Applied Energy</i> , 2022, 323, 119610.	5.1	5
8	High-Performance Aqueous Na-Zn Hybrid Ion Battery Boosted by Water-in-Gel Electrolyte. <i>Advanced Functional Materials</i> , 2021, 31, 2008783.	7.8	45
9	Flexible direct formate paper fuel cells with high performance and great durability. <i>Journal of Power Sources</i> , 2021, 490, 229526.	4.0	24
10	Microfluidic fuel cells with different types of fuels: A prospective review. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 141, 110806.	8.2	61
11	Salt-air template synthesis of Na and O doped porous graphitic carbon nitride nanorods with exceptional photocatalytic H <sub>2</sub> evolution activity. <i>Carbon</i> , 2021, 179, 42-52.	5.4	22
12	High-Energy SWCNT Cathode for Aqueous Al-Ion Battery Boosted by Multi-Ion Intercalation Chemistry. <i>Advanced Energy Materials</i> , 2021, 11, 2101514.	10.2	23
13	High-Performance MnO <sub>2</sub> /Al Battery with In Situ Electrochemically Reformed Al-MnO <sub>2</sub> Nanosphere Cathode. <i>Small Methods</i> , 2021, 5, e2100491.	4.6	25
14	Doubling the power output of a Mg-air battery with an acid-salt dual-electrolyte configuration. <i>Journal of Power Sources</i> , 2021, 506, 230144.	4.0	18
15	A printed paper-based Zn-air/Ag hybrid battery with switchable working modes. <i>Electrochimica Acta</i> , 2021, 396, 139237.	2.6	6
16	High-Energy SWCNT Cathode for Aqueous Al-Ion Battery Boosted by Multi-Ion Intercalation Chemistry ( <i>Adv. Energy Mater.</i> 39/2021). <i>Advanced Energy Materials</i> , 2021, 11, 2170155.	10.2	1
17	Carbon doped ultra-small TiO <sub>2</sub> coated on carbon cloth for efficient photocatalytic toluene degradation under visible LED light irradiation. <i>Applied Surface Science</i> , 2020, 527, 146780.	3.1	27
18	In-situ synthesis of heterojunction TiO <sub>2</sub> /MnO <sub>2</sub> nanostructure with excellent performance in vacuum ultraviolet photocatalytic oxidation of toluene. <i>Applied Catalysis B: Environmental</i> , 2019, 259, 118034.	10.8	57

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19	Strong Hollow Spherical La <sub>2</sub> NiO <sub>4</sub> Photocatalytic Microreactor for Round-the-Clock Environmental Remediation. ACS Applied Materials & Interfaces, 2019, 11, 25967-25975.	4.0	33
20	A low-cost and dendrite-free rechargeable aluminium-ion battery with superior performance. Journal of Materials Chemistry A, 2019, 7, 17420-17425.	5.2	111
21	Copper Phosphide-Enhanced Lower Charge Trapping Occurrence in Graphitic-C <sub>3</sub> N <sub>4</sub> for Efficient Noble-Metal-Free Photocatalytic H <sub>2</sub> Evolution. ACS Applied Materials & Interfaces, 2019, 11, 16527-16537.	4.0	83
22	Interfacial optimization of g-C <sub>3</sub> N <sub>4</sub> -based Z-scheme heterojunction toward synergistic enhancement of solar-driven photocatalytic oxygen evolution. Applied Catalysis B: Environmental, 2019, 244, 240-249.	10.8	295
23	g-C <sub>3</sub> N <sub>4</sub> photoanode for photoelectrocatalytic synergistic pollutant degradation and hydrogen evolution. Applied Surface Science, 2019, 467-468, 658-665.	3.1	82
24	Microwave irradiation induced UIO-66-NH <sub>2</sub> anchored on graphene with high activity for photocatalytic reduction of CO <sub>2</sub> . Applied Catalysis B: Environmental, 2018, 228, 47-53.	10.8	186
25	Nanotube array-like WO <sub>3</sub> /W photoanode fabricated by electrochemical anodization for photoelectrocatalytic overall water splitting. Chinese Journal of Catalysis, 2017, 38, 2132-2140.	6.9	37