

# Ximeng Liu

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

5,216  
citations

172386

29  
h-index

395590

33  
g-index

33  
all docs

33  
docs citations

33  
times ranked

6462  
citing authors

#	ARTICLE	IF	CITATIONS
1	Binder-free 3D printing of covalent organic framework (COF) monoliths for CO <sub>2</sub> adsorption. <i>Chemical Engineering Journal</i> , 2021, 403, 126333.	6.6	78
2	Design strategies for MOF-derived porous functional materials: Preserving surfaces and nurturing pores. <i>Journal of Materiomics</i> , 2021, 7, 440-459.	2.8	62
3	Direct Pyrolysis of a Manganese-Triazololate Metal-Organic Framework into Air-Stable Manganese Nitride Nanoparticles. <i>Advanced Science</i> , 2021, 8, 2003212.	5.6	13
4	Fabrication of 3D-Printed Ceramic Structures for Portable Solar Desalination Devices. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 23220-23229.	4.0	42
5	Aqueous Rechargeable Multivalent Metal-Ion Batteries: Advances and Challenges. <i>Advanced Energy Materials</i> , 2021, 11, 2100608.	10.2	122
6	Synergizing aliovalent doping and interface in heterostructured NiV nitride@oxyhydroxide core-shell nanosheet arrays enables efficient oxygen evolution. <i>Nano Energy</i> , 2021, 85, 105961.	8.2	55
7	Quasi-Paired Pt Atomic Sites on Mo <sub>2</sub> C Promoting Selective Four-Electron Oxygen Reduction. <i>Advanced Science</i> , 2021, 8, e2101344.	5.6	29
8	Black Phosphorus@Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene Composites with Engineered Chemical Bonds for Commercial-Level Capacitive Energy Storage. <i>ACS Nano</i> , 2021, 15, 12975-12987.	7.3	70
9	Chemical-grafting of graphene oxide quantum dots (GOQDs) onto ceramic microfiltration membranes for enhanced water permeability and anti-organic fouling potential. <i>Applied Surface Science</i> , 2020, 502, 144128.	3.1	50
10	Hollow structure engineering of FeCo alloy nanoparticles electrospun in nitrogen-doped carbon enables high performance flexible all-solid-state zinc-air batteries. <i>Sustainable Energy and Fuels</i> , 2020, 4, 1747-1753.	2.5	36
11	Hydrogenated TiO <sub>2</sub> membrane with photocatalytically enhanced anti-fouling for ultrafiltration of surface water. <i>Applied Catalysis B: Environmental</i> , 2020, 264, 118528.	10.8	37
12	Synergizing in-grown Ni <sub>3</sub> N/Ni heterostructured core and ultrathin Ni <sub>3</sub> N surface shell enables self-adaptive surface reconfiguration and efficient oxygen evolution reaction. <i>Nano Energy</i> , 2020, 78, 105355.	8.2	126
13	Potential-Dependent Phase Transition and Mo-Enriched Surface Reconstruction of $\hat{\text{I}}^3\text{-CoOOH}$ in a Heterostructured Co-Mo <sub>2</sub> C Precatalyst Enable Water Oxidation. <i>ACS Catalysis</i> , 2020, 10, 4411-4419.	5.5	174
14	Surface nitridation of nickel-cobalt alloy nanocactoids raises the performance of water oxidation and splitting. <i>Applied Catalysis B: Environmental</i> , 2020, 270, 118889.	10.8	95
15	Decorating Co/CoN <sub>x</sub> nanoparticles in nitrogen-doped carbon nanoarrays for flexible and rechargeable zinc-air batteries. <i>Energy Storage Materials</i> , 2019, 16, 243-250.	9.5	244
16	In situ electrochemical oxidation of electrodeposited Ni-based nanostructure promotes alkaline hydrogen production. <i>Nanotechnology</i> , 2019, 30, 474001.	1.3	5
17	Significant Role of Al in Ternary Layered Double Hydroxides for Enhancing Electrochemical Performance of Flexible Asymmetric Supercapacitor. <i>Advanced Functional Materials</i> , 2019, 29, 1903879.	7.8	228
18	Copper Single Atoms Anchored in Porous Nitrogen-Doped Carbon as Efficient pH-Universal Catalysts for the Nitrogen Reduction Reaction. <i>ACS Catalysis</i> , 2019, 9, 10166-10173.	5.5	284

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19	Person Re-Identification over Encrypted Outsourced Surveillance Videos. IEEE Transactions on Dependable and Secure Computing, 2019, , 1-1.	3.7	13
20	Enlarged Interlayer Spacing in Cobalt-Manganese Layered Double Hydroxide Guiding Transformation to Layered Structure for High Supercapacitance. ACS Applied Materials & Interfaces, 2019, 11, 23236-23243.	4.0	85
21	Conformal dispersed cobalt nanoparticles in hollow carbon nanotube arrays for flexible Zn-air and Al-air batteries. Chemical Engineering Journal, 2019, 369, 988-995.	6.6	121
22	Hierarchical Micro-Nano Sheet Arrays of Nickel-Cobalt Double Hydroxides for High-Rate Ni-Zn Batteries. Advanced Science, 2019, 6, 1802002.	5.6	202
23	Heterojunction engineering of MoSe <sub>2</sub> /MoS <sub>2</sub> with electronic modulation towards synergetic hydrogen evolution reaction and supercapacitance performance. Chemical Engineering Journal, 2019, 359, 1419-1426.	6.6	160
24	2D carbide nanomeshes and their assembling into 3D microflowes for efficient water splitting. Applied Catalysis B: Environmental, 2019, 243, 678-685.	10.8	116
25	Metal-organic framework-derived integrated nanoarrays for overall water splitting. Journal of Materials Chemistry A, 2018, 6, 9009-9018.	5.2	74
26	Hollow Mo-doped CoP nanoarrays for efficient overall water splitting. Nano Energy, 2018, 48, 73-80.	8.2	608
27	MOF-derived nanohybrids for electrocatalysis and energy storage: current status and perspectives. Chemical Communications, 2018, 54, 5268-5288.	2.2	237
28	2D Metal-Organic Frameworks Derived Nanocarbon Arrays for Substrate Enhancement in Flexible Supercapacitors. Small, 2018, 14, e1702641.	5.2	80
29	Co/Zn bimetallic oxides derived from metal organic frameworks for high performance electrochemical energy storage. Electrochimica Acta, 2018, 291, 177-187.	2.6	60
30	Ni-Doped Cobalt-Cobalt Nitride Heterostructure Arrays for High-Power Supercapacitors. ACS Energy Letters, 2018, 3, 2462-2469.	8.8	182
31	Rational Design of Metal-Organic Framework Derived Hollow NiCo <sub>2</sub> O <sub>4</sub> Arrays for Flexible Supercapacitor and Electrocatalysis. Advanced Energy Materials, 2017, 7, 1602391.	10.2	874
32	Hollow Co <sub>3</sub> O <sub>4</sub> Nanosphere Embedded in Carbon Arrays for Stable and Flexible Solid-State Zinc-Air Batteries. Advanced Materials, 2017, 29, 1704117.	11.1	407
33	Metal-organic framework derived hollow CoS <sub>2</sub> nanotube arrays: an efficient bifunctional electrocatalyst for overall water splitting. Nanoscale Horizons, 2017, 2, 342-348.	4.1	247