Ximeng Liu

List of Publications by Year
in descending order

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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	Rational Design of Metalâ€Organic Framework Derived Hollow NiCo₂O₄ Arrays for Flexible Supercapacitor and Electrocatalysis. Advanced Energy Materials, 2017, 7, 1602391.	10.2	874
2	Hollow Mo-doped CoP nanoarrays for efficient overall water splitting. Nano Energy, 2018, 48, 73-80.	8.2	608
3	Hollow Co₃O₄ Nanosphere Embedded in Carbon Arrays for Stable and Flexible Solidâ€State Zincâ€“Air Batteries. Advanced Materials, 2017, 29, 1704117.	11.1	407
4	Copper Single Atoms Anchored in Porous Nitrogen-Doped Carbon as Efficient pH-Universal Catalysts for the Nitrogen Reduction Reaction. ACS Catalysis, 2019, 9, 10166-10173.	5.5	284
5	Metalâ€“organic framework derived hollow CoS₂ nanotube arrays: an efficient bifunctional electrocatalyst for overall water splitting. Nanoscale Horizons, 2017, 2, 342-348.	4.1	247
6	Decorating Co/CoNx nanoparticles in nitrogen-doped carbon nanoarrays for flexible and rechargeable zinc-air batteries. Energy Storage Materials, 2019, 16, 243-250.	9.5	244
7	MOF-derived nanohybrids for electrocatalysis and energy storage: current status and perspectives. Chemical Communications, 2018, 54, 5268-5288.	2.2	237
8	Significant Role of Al in Ternary Layered Double Hydroxides for Enhancing Electrochemical Performance of Flexible Asymmetric Supercapacitor. Advanced Functional Materials, 2019, 29, 1903879.	7.8	228
9	Hierarchical Microâ€Nano Sheet Arrays of Nickelâ€“Cobalt Double Hydroxides for Highâ€Rate Niâ€“Zn Batteries. Advanced Science, 2019, 6, 1802002.	5.6	202
10	Ni-Doped Cobaltâ€“Cobalt Nitride Heterostructure Arrays for High-Power Supercapacitors. ACS Energy Letters, 2018, 3, 2462-2469.	8.8	182
11	Potential-Dependent Phase Transition and Mo-Enriched Surface Reconstruction of Î³-CoOOH in a Heterostructured Co-Mo₂C Precatalyst Enable Water Oxidation. ACS Catalysis, 2020, 10, 4411-4419.	5.5	174
12	Heterojunction engineering of MoSe2/MoS2 with electronic modulation towards synergetic hydrogen evolution reaction and supercapacitance performance. Chemical Engineering Journal, 2019, 359, 1419-1426.	6.6	160
13	Synergizing in-grown Ni3N/Ni heterostructured core and ultrathin Ni3N surface shell enables self-adaptive surface reconfiguration and efficient oxygen evolution reaction. Nano Energy, 2020, 78, 105355.	8.2	126
14	Aqueous Rechargeable Multivalent Metalâ€Ion Batteries: Advances and Challenges. Advanced Energy Materials, 2021, 11, 2100608.	10.2	122
15	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
16	2D carbide nanomeshes and their assembling into 3D microflowers for efficient water splitting. Applied Catalysis B: Environmental, 2019, 243, 678-685.	10.8	116
17	Surface nitridation of nickel-cobalt alloy nanocactoids raises the performance of water oxidation and splitting. Applied Catalysis B: Environmental, 2020, 270, 118889.	10.8	95
18	Enlarged Interlayer Spacing in Cobaltâ€“Manganese Layered Double Hydroxide Guiding Transformation to Layered Structure for High Supercapacitance. ACS Applied Materials & Interfaces, 2019, 11, 23236-23243.	4.0	85

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19	2D Metalâ€“Organic Frameworks Derived Nanocarbon Arrays for Substrate Enhancement in Flexible Supercapacitors. Small, 2018, 14, e1702641.	5.2	80
20	Binder-free 3D printing of covalent organic framework (COF) monoliths for CO2 adsorption. Chemical Engineering Journal, 2021, 403, 126333.	6.6	78
21	Metalâ€“organic framework-derived integrated nanoarrays for overall water splitting. Journal of Materials Chemistry A, 2018, 6, 9009-9018.	5.2	74
22	Black Phosphorus@Ti₃C₂T_x MXene Composites with Engineered Chemical Bonds for Commercial-Level Capacitive Energy Storage. ACS Nano, 2021, 15, 12975-12987.	7.3	70
23	Design strategies for MOF-derived porous functional materials: Preserving surfaces and nurturing pores. Journal of Materiomics, 2021, 7, 440-459.	2.8	62
24	Co/Zn bimetallic oxides derived from metal organic frameworks for high performance electrochemical energy storage. Electrochimica Acta, 2018, 291, 177-187.	2.6	60
25	Synergizing aliovalent doping and interface in heterostructured NiV nitride@oxyhydroxide core-shell nanosheet arrays enables efficient oxygen evolution. Nano Energy, 2021, 85, 105961.	8.2	55
26	Chemical-grafting of graphene oxide quantum dots (GOQDs) onto ceramic microfiltration membranes for enhanced water permeability and anti-organic fouling potential. Applied Surface Science, 2020, 502, 144128.	3.1	50
27	Fabrication of 3D-Printed Ceramic Structures for Portable Solar Desalination Devices. ACS Applied Materials & Interfaces, 2021, 13, 23220-23229.	4.0	42
28	Hydrogenated TiO2 membrane with photocatalytically enhanced anti-fouling for ultrafiltration of surface water. Applied Catalysis B: Environmental, 2020, 264, 118528.	10.8	37
29	Hollow structure engineering of FeCo alloy nanoparticles electrospun in nitrogen-doped carbon enables high performance flexible all-solid-state zincâ€“air batteries. Sustainable Energy and Fuels, 2020, 4, 1747-1753.	2.5	36
30	Quasiâ€Paired Pt Atomic Sites on Mo₂C Promoting Selective Fourâ€Electron Oxygen Reduction. Advanced Science, 2021, 8, e2101344.	5.6	29
31	Person Re-Identification over Encrypted Outsourced Surveillance Videos. IEEE Transactions on Dependable and Secure Computing, 2019, , 1-1.	3.7	13
32	Direct Pyrolysis of a Manganeseâ€Triazolate Metalâ€“Organic Framework into Airâ€Stable Manganese Nitride Nanoparticles. Advanced Science, 2021, 8, 2003212.	5.6	13
33	In situ electrochemical oxidation of electrodeposited Ni-based nanostructure promotes alkaline hydrogen production. Nanotechnology, 2019, 30, 474001.	1.3	5