Mingjie Wu

List of Publications by Year
in descending order

34 papers	1,893 citations	279487 23 h-index	414034 32 g-index
34 all docs	34 docs citations	34 times ranked	2248 citing authors

#	Article	IF	Citations
1	Rational design of multifunctional air electrodes for rechargeable Znâ€“Air batteries: Recent progress and future perspectives. Energy Storage Materials, 2019, 21, 253-286.	9.5	171
2	3-Dimensional porous N-doped graphene foam as a non-precious catalyst for the oxygen reduction reaction. Journal of Materials Chemistry A, 2015, 3, 3343-3350.	5.2	163
3	Ultra-long life rechargeable zinc-air battery based on high-performance trimetallic nitride and NCNT hybrid bifunctional electrocatalysts. Nano Energy, 2019, 61, 86-95.	8.2	134
4	Atomically Dispersed Transition Metal-Nitrogen-Carbon Bifunctional Oxygen Electrocatalysts for Zinc-Air Batteries: Recent Advances and Future Perspectives. Nano-Micro Letters, 2022, 14, 36.	14.4	117
5	Self-Reconstruction of Co/Co₂P Heterojunctions Confined in N-Doped Carbon Nanotubes for Zincâ€“Air Flow Batteries. ACS Energy Letters, 0, , 1153-1161.	8.8	104
6	Fe/Co Double Hydroxide/Oxide Nanoparticles on Nâ€Doped CNTs as Highly Efficient Electrocatalyst for Rechargeable Liquid and Quasiâ€Solidâ€State Zincâ€“Air Batteries. Advanced Energy Materials, 2018, 8, 1801836.	10.2	94
7	Graphiticâ€shell encapsulated FeNi alloy/nitride nanocrystals on biomassâ€derived Nâ€doped carbon as an efficient electrocatalyst for rechargeable Znâ€air battery. , 2021, 3, 176-187.		85
8	Aqueous Znâ€based rechargeable batteries: Recent progress and future perspectives. InformaÄnÃ-MateriÃ¡ly, 2022, 4, .	8.5	77
9	Cobalt (II) oxide nanosheets with rich oxygen vacancies as highly efficient bifunctional catalysts for ultra-stable rechargeable Zn-air flow battery. Nano Energy, 2021, 79, 105409.	8.2	74
10	A large-scale synthesis of heteroatom (N and S) co-doped hierarchically porous carbon (HPC) derived from polyquaternium for superior oxygen reduction reactivity. Green Chemistry, 2016, 18, 2699-2709.	4.6	70
11	In situ growth of CoP nanoparticles anchored on (N,P) co-doped porous carbon engineered by MOFs as advanced bifunctional oxygen catalyst for rechargeable Znâ€“air battery. Journal of Materials Chemistry A, 2020, 8, 19043-19049.	5.2	68
12	Effects of transition metal precursors (Co, Fe, Cu, Mn, or Ni) on pyrolyzed carbon supported metal-aminopyrine electrocatalysts for oxygen reduction reaction. RSC Advances, 2015, 5, 6195-6206.	1.7	63
13	N/S-Me (Fe, Co, Ni) doped hierarchical porous carbons for fuel cell oxygen reduction reaction with high catalytic activity and long-term stability. Applied Energy, 2016, 175, 468-478.	5.1	62
14	Multifunctional Carbon-Based Nanomaterials: Applications in Biomolecular Imaging and Therapy. ACS Omega, 2018, 3, 9126-9145.	1.6	62
15	Cobaltâ€Phthalocyanineâ€Derived Molecular Isolation Layer for Highly Stable Lithium Anode. Angewandte Chemie - International Edition, 2021, 60, 19852-19859.	7.2	62
16	A self-supported electrode as a high-performance binder- and carbon-free cathode for rechargeable hybrid zinc batteries. Energy Storage Materials, 2020, 24, 272-280.	9.5	61
17	Fe/N/S-composited hierarchically porous carbons with optimized surface functionality, composition and nanoarchitecture as electrocatalysts for oxygen reduction reaction. Journal of Catalysis, 2017, 352, 208-217.	3.1	44
18	Defect Electrocatalysts and Alkaline Electrolyte Membranes in Solidâ€State Zincâ€“Air Batteries: Recent Advances, Challenges, and Future Perspectives. Small Methods, 2021, 5, e2000868.	4.6	42

#	Article	IF	Citations
19	The design of Fe, N-doped hierarchically porous carbons as highly active and durable electrocatalysts for a Znâ€“air battery. Physical Chemistry Chemical Physics, 2016, 18, 18665-18669.	1.3	37
20	Transforming reed waste into a highly active metal-free catalyst for oxygen reduction reaction. Nano Energy, 2019, 62, 700-708.	8.2	37
21	Achieving high-powered Zn/air fuel cell through N and S co-doped hierarchically porous carbons with tunable active-sites as oxygen electrocatalysts. Journal of Power Sources, 2017, 365, 348-353.	4.0	33
22	Electronic Metalâ€“Support Interaction Modulation of Singleâ€Atom Electrocatalysts for Rechargeable Zincâ€“Air Batteries. Small Methods, 2022, 6, e2100947.	4.6	29
23	Hierarchical Porous Carbon Derived from Coal Tar Pitch Containing Discrete Coâ€“Nxâ€“C Active Sites for Efficient Oxygen Electrocatalysis and Rechargeable Znâ€“Air Batteries. ACS Sustainable Chemistry and Engineering, 2019, 7, 8587-8596.	3.2	28
24	Defect Engineering of Carbonâ€based Electrocatalysts for Rechargeable Zincâ€air Batteries. Chemistry - an Asian Journal, 2020, 15, 3737-3751.	1.7	28
25	Exploiting a High-Performance â€œDouble-Carbonâ€•Structure Co9S8/GN Bifunctional Catalysts for Rechargeable Znâ€“Air Batteries. ACS Applied Materials & Interfaces, 2020, 12, 38202-38210.	4.0	26
26	Morphology controlled synthesis of SmMn2O5 nanocrystals via a surfactant-free route for Zn-air batteries. Journal of Power Sources, 2018, 396, 754-763.	4.0	25
27	Dual-active-sites design of CoSx anchored on nitrogen-doped carbon with tunable mesopore enables efficient Bi-Functional oxygen catalysis for ultra-stable zinc-air batteries. Journal of Power Sources, 2019, 438, 226953.	4.0	24
28	Tumor angiogenesis targeting and imaging using gold nanoparticle probe with directly conjugated cyclic NGR. RSC Advances, 2018, 8, 1706-1716.	1.7	19
29	Cu/S-Occupation Bifunctional Oxygen Catalysts for Advanced Rechargeable Zincâ€“Air Batteries. ACS Applied Materials & Interfaces, 2020, 12, 52836-52844.	4.0	15
30	MoS2-supported on free-standing TiO2-nanotubes for efficient hydrogen evolution reaction. International Journal of Hydrogen Energy, 2020, 45, 4468-4480.	3.8	14
31	Using aminopyrine as a nitrogen-enriched small molecule precursor to synthesize high-performing nitrogen doped mesoporous carbon for catalyzing oxygen reduction reaction. RSC Advances, 2017, 7, 669-677.	1.7	7
32	DTPAA-Gd Functionalized Ultrasmall Au₁₅NCs Nanohybrids for Multimodal Imaging . International Journal of Nanomedicine, 2020, Volume 15, 227-238.	3.3	7
33	Study of Fluorescence and CT Bimodal Imaging of Ultrasmall Gold Nanoclusters. Acta Chimica Sinica, 2018, 76, 709.	0.5	6
34	Nitrogen-Doped Hierarchical Mesoporous/Macroporous Carbon (H-C) Prepared from the Combined Silica Templates with Different Size for Oxygen Reduction. ECS Transactions, 2015, 66, 79-86.	0.3	5