

Mingjie Wu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3898736/publications.pdf>

Version: 2024-02-01

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 | Electronic Metal-Support Interaction Modulation of Single-Atom Electrocatalysts for Rechargeable Zinc-Air Batteries. <i>Small Methods</i> , 2022, 6, e2100947. | 4.6 | 29 |
| 2 | Atomically Dispersed Transition Metal-Nitrogen-Carbon Bifunctional Oxygen Electrocatalysts for Zinc-Air Batteries: Recent Advances and Future Perspectives. <i>Nano-Micro Letters</i> , 2022, 14, 36. | 14.4 | 117 |
| 3 | Aqueous Zn-based rechargeable batteries: Recent progress and future perspectives. <i>Information Materials</i> , 2022, 4, . | 8.5 | 77 |
| 4 | Graphitic-shell encapsulated FeNi alloy/nitride nanocrystals on biomass-derived N-doped carbon as an efficient electrocatalyst for rechargeable Zn-air battery. , 2021, 3, 176-187. | | 85 |
| 5 | Cobalt (II) oxide nanosheets with rich oxygen vacancies as highly efficient bifunctional catalysts for ultra-stable rechargeable Zn-air flow battery. <i>Nano Energy</i> , 2021, 79, 105409. | 8.2 | 74 |
| 6 | Defect Electrocatalysts and Alkaline Electrolyte Membranes in Solid-State Zinc-Air Batteries: Recent Advances, Challenges, and Future Perspectives. <i>Small Methods</i> , 2021, 5, e2000868. | 4.6 | 42 |
| 7 | Cobalt-Phthalocyanine-Derived Molecular Isolation Layer for Highly Stable Lithium Anode. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19852-19859. | 7.2 | 62 |
| 8 | MoS ₂ -supported on free-standing TiO ₂ -nanotubes for efficient hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 4468-4480. | 3.8 | 14 |
| 9 | A self-supported electrode as a high-performance binder- and carbon-free cathode for rechargeable hybrid zinc batteries. <i>Energy Storage Materials</i> , 2020, 24, 272-280. | 9.5 | 61 |
| 10 | Defect Engineering of Carbon-based Electrocatalysts for Rechargeable Zinc-Air Batteries. <i>Chemistry - an Asian Journal</i> , 2020, 15, 3737-3751. | 1.7 | 28 |
| 11 | Cu/S-Occupation Bifunctional Oxygen Catalysts for Advanced Rechargeable Zinc-Air Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 52836-52844. | 4.0 | 15 |
| 12 | Exploiting a High-Performance Double-Carbon-Structure Co ₉ S ₈ /GN Bifunctional Catalysts for Rechargeable Zn-Air Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 38202-38210. | 4.0 | 26 |
| 13 | <i>In situ</i> growth of CoP nanoparticles anchored on (N,P) co-doped porous carbon engineered by MOFs as advanced bifunctional oxygen catalyst for rechargeable Zn-air battery. <i>Journal of Materials Chemistry A</i> , 2020, 8, 19043-19049. | 5.2 | 68 |
| 14 | DTPAA-Gd Functionalized Ultrasmall Au ₁₅ NCs Nanohybrids for Multimodal Imaging. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 227-238. | 3.3 | 7 |
| 15 | Dual-active-sites design of CoS _x anchored on nitrogen-doped carbon with tunable mesopore enables efficient Bi-Functional oxygen catalysis for ultra-stable zinc-air batteries. <i>Journal of Power Sources</i> , 2019, 438, 226953. | 4.0 | 24 |
| 16 | Transforming reed waste into a highly active metal-free catalyst for oxygen reduction reaction. <i>Nano Energy</i> , 2019, 62, 700-708. | 8.2 | 37 |
| 17 | Rational design of multifunctional air electrodes for rechargeable Zn-Air batteries: Recent progress and future perspectives. <i>Energy Storage Materials</i> , 2019, 21, 253-286. | 9.5 | 171 |
| 18 | Ultra-long life rechargeable zinc-air battery based on high-performance trimetallic nitride and NCNT hybrid bifunctional electrocatalysts. <i>Nano Energy</i> , 2019, 61, 86-95. | 8.2 | 134 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Hierarchical Porous Carbon Derived from Coal Tar Pitch Containing Discrete Co ^x N ^x C Active Sites for Efficient Oxygen Electrocatalysis and Rechargeable Zn-Air Batteries. ACS Sustainable Chemistry and Engineering, 2019, 7, 8587-8596. | 3.2 | 28 |
| 20 | Tumor angiogenesis targeting and imaging using gold nanoparticle probe with directly conjugated cyclic NGR. RSC Advances, 2018, 8, 1706-1716. | 1.7 | 19 |
| 21 | Fe/Co Double Hydroxide/Oxide Nanoparticles on N-Doped CNTs as Highly Efficient Electrocatalyst for Rechargeable Liquid and Quasi-Solid-State Zinc-Air Batteries. Advanced Energy Materials, 2018, 8, 1801836. | 10.2 | 94 |
| 22 | Morphology controlled synthesis of SmMn ₂ O ₅ nanocrystals via a surfactant-free route for Zn-air batteries. Journal of Power Sources, 2018, 396, 754-763. | 4.0 | 25 |
| 23 | Multifunctional Carbon-Based Nanomaterials: Applications in Biomolecular Imaging and Therapy. ACS Omega, 2018, 3, 9126-9145. | 1.6 | 62 |
| 24 | Study of Fluorescence and CT Bimodal Imaging of Ultrasmall Gold Nanoclusters. Acta Chimica Sinica, 2018, 76, 709. | 0.5 | 6 |
| 25 | 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 |
| 26 | 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 |
| 27 | 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 |
| 28 | 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 |
| 29 | The design of Fe, N-doped hierarchically porous carbons as highly active and durable electrocatalysts for a Zn-air battery. Physical Chemistry Chemical Physics, 2016, 18, 18665-18669. | 1.3 | 37 |
| 30 | 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 |
| 31 | 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 |
| 32 | 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 |
| 33 | 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 |
| 34 | Self-Reconstruction of Co/Co ₂ P Heterojunctions Confined in N-Doped Carbon Nanotubes for Zinc-Air Flow Batteries. ACS Energy Letters, 0, , 1153-1161. | 8.8 | 104 |