

Interfacing Manganese Oxide and Cobalt in Porous Graphene Oxygen Electrocatalysis for Zn–Air Batteries

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Ternary MnO/CoMn alloy@N-doped graphitic composites derived from a bi-metallic pigment as bi-functional electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2019, 7, 20649-20657.	5.2	33
2	Electronic reconfiguration of Co ₂ P induced by Cu doping enhancing oxygen reduction reaction activity in zinc-air batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 21232-21243.	5.2	46
3	Co-Mn spinel supported self-catalysis induced N-doped carbon nanotubes with high efficiency electron transport channels for zinc-air batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 22307-22313.	5.2	92
4	Effect of Molecular Structures of Donor Monomers of Polymers on Photovoltaic Properties. <i>ACS Omega</i> , 2019, 4, 19177-19182.	1.6	5
5	Carbon-pore-sheathed cobalt nanoseeds: An exceptional and durable bifunctional catalyst for zinc-air batteries. <i>Nano Energy</i> , 2019, 65, 104051.	8.2	43
6	Metallic state two-dimensional holey-structured Co ₃ FeN nanosheets as stable and bifunctional electrocatalysts for zinc-air batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 26549-26556.	5.2	30
7	Anchoring MnCo ₂ O ₄ Nanorods from Bimetal-Organic Framework on rGO for High-Performance Oxygen Evolution and Reduction Reaction. <i>ACS Omega</i> , 2019, 4, 22325-22331.	1.6	22
8	Facile fabrication of a hierarchical NiCoFeP hollow nanoprism for efficient oxygen evolution in the Zn-air battery. <i>Journal of Materials Chemistry A</i> , 2019, 7, 24964-24972.	5.2	65
9	Metal-Organic Frameworks Based Electrocatalysts for the Oxygen Reduction Reaction. <i>Angewandte Chemie</i> , 2020, 132, 4662-4678.	1.6	114
10	Metal-Organic Frameworks Based Electrocatalysts for the Oxygen Reduction Reaction. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4634-4650.	7.2	457
11	Subnanometer iron clusters confined in a porous carbon matrix for highly efficient zinc-air batteries. <i>Nanoscale Horizons</i> , 2020, 5, 359-365.	4.1	27
12	Conductive metal-Organic frameworks endow high-efficient oxygen evolution of La _{0.6} Sr _{0.4} Co _{0.8} Fe _{0.2} O ₃ perovskite oxide nanofibers. <i>Electrochimica Acta</i> , 2020, 334, 135638.	2.6	25
13	Co single-atoms on ultrathin N-doped porous carbon <i>via</i> a biomass complexation strategy for high performance metal-air batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 2131-2139.	5.2	68
14	Hierarchically Porous Multimetal-Based Carbon Nanorod Hybrid as an Efficient Oxygen Catalyst for Rechargeable Zinc-Air Batteries. <i>Advanced Functional Materials</i> , 2020, 30, 1908167.	7.8	105
15	Cage-confinement pyrolysis route to size-controlled molybdenum-based oxygen electrode catalysts: From isolated atoms to clusters and nanoparticles. <i>Nano Energy</i> , 2020, 67, 104288.	8.2	93
16	Two-Dimensional Hierarchical Fe-N-C Electrocatalyst for Zn-Air Batteries with Ultrahigh Specific Capacity. , 2020, 2, 35-41.		34
17	MOF-derived manganese oxide/carbon nanocomposites with raised capacitance for stable asymmetric supercapacitor. <i>RSC Advances</i> , 2020, 10, 34403-34412.	1.7	24
18	Titanium Oxide-Confined Manganese Oxide for One-Step Electrocatalytic Preparation of 2,5-Furandicarboxylic Acid in Acidic Media. <i>ChemElectroChem</i> , 2020, 7, 4251-4258.	1.7	14

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19	Nitrogen-Doped Cobalt Pyrite Yolk-Shell Hollow Spheres for Long-Life Rechargeable Zn-Air Batteries. <i>Advanced Science</i> , 2020, 7, 2001178.	5.6	206
20	3D Hydrangea Macrophylla-like Nickel-Vanadium Metal-Organic Frameworks Formed by Self-Assembly of Ultrathin 2D Nanosheets for Overall Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 48495-48510.	4.0	57
21	3D Graphene-Carbon Nanotube Hybrid Supported Coupled Co-MnO Nanoparticles as Highly Efficient Bifunctional Electrocatalyst for Rechargeable Zn-Air Batteries. <i>Chemistry - an Asian Journal</i> , 2020, 15, 3535-3541.	1.7	5
22	N-Doped carbon coating enhances the bifunctional oxygen reaction activity of CoFe nanoparticles for a highly stable Zn-air battery. <i>Journal of Materials Chemistry A</i> , 2020, 8, 21189-21198.	5.2	63
23	Metal-organic framework based bifunctional oxygen electrocatalysts for rechargeable zinc-air batteries: current progress and prospects. <i>Chemical Science</i> , 2020, 11, 11646-11671.	3.7	60
24	Multicomponent Spinel Metal Oxide Nanocomposites as High-Performance Bifunctional Catalysts in Zn-Air Batteries. <i>ACS Applied Energy Materials</i> , 2020, 3, 7710-7718.	2.5	22
25	Promoted oxygen reduction kinetics on nitrogen-doped hierarchically porous carbon by engineering proton-feeding centers. <i>Energy and Environmental Science</i> , 2020, 13, 2849-2855.	15.6	101
26	Hot electron prompted highly efficient photocatalysis based on 3D graphene/non-precious metal nanoparticles. <i>RSC Advances</i> , 2020, 10, 42054-42061.	1.7	3
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30	Î-MnO ₂ nanowires supported on carbon black with oxygen-containing functional groups for enhanced electrocatalytic oxygen reduction reaction. <i>Journal of Alloys and Compounds</i> , 2020, 846, 156396.	2.8	23
31	Highly efficient Co ₃ O ₄ /Co@NCs bifunctional oxygen electrocatalysts for long life rechargeable Zn-air batteries. <i>Nano Energy</i> , 2020, 77, 105200.	8.2	71
32	Hierarchically Hollow and Porous NiO/NiCo ₂ O ₄ Nanoprisms Encapsulated in Graphene Oxide for Lithium Storage. <i>Langmuir</i> , 2020, 36, 9668-9674.	1.6	27
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34	Bimetallic cobalt molybdenum carbide-cobalt composites as superior bifunctional oxygen electrocatalysts for Zn-air batteries. <i>Materials Today Energy</i> , 2020, 18, 100565.	2.5	20
35	Phosphorus/nitrogen co-doped and bimetallic MOF-derived cathode for all-solid-state rechargeable zinc-air batteries. <i>RSC Advances</i> , 2020, 10, 33327-33333.	1.7	11
36	Three-Dimensional Nitrogen-Doped Graphitic Carbon-Encapsulated MnO-Co Heterostructure: A Bifunctional Energy Storage Material for Zn-Ion and Zn-Air Batteries. <i>ACS Applied Energy Materials</i> , 2020, 3, 10108-10118.	2.5	26

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43	An Overview and Future Perspectives of Rechargeable Zinc Batteries. Small, 2020, 16, e2000730.	5.2	216
44	A Humidity-Induced Nontemplating Route toward Hierarchical Porous Carbon Fiber Hybrid for Efficient Bifunctional Oxygen Catalysis. Small, 2020, 16, e2001743.	5.2	36
45	Metal-polydopamine framework-derived (Co)/N-doped carbon hollow nanocubes as efficient oxygen electrocatalysts. Sustainable Energy and Fuels, 2020, 4, 3370-3377.	2.5	13
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53	Co nanoparticles combined with nitrogen-doped graphitic carbon anchored on carbon fibers as a self-standing air electrode for flexible zinc-air batteries. Journal of Materials Chemistry A, 2020, 8, 7184-7191.	5.2	28
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56	“Fiber-in-tube” hierarchical nanofibers based on defect-rich bimetallic oxide@C bubbles: a high-efficiency and superior performance cathode for hybrid Zn batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 13996-14005.	5.2	14
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72	A "trimurti" heterostructured hybrid with an intimate CoO/Co _x P interface as a robust bifunctional air electrode for rechargeable Zn-air batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 9177-9184.	5.2	72

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88	Artificial Heterointerfaces Achieve Delicate Reaction Kinetics towards Hydrogen Evolution and Hydrazine Oxidation Catalysis. <i>Angewandte Chemie</i> , 2021, 133, 6049-6058.	1.6	42
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101	First-Principles Design of Rutile Oxide Heterostructures for Oxygen Evolution Reactions. <i>Frontiers in Energy Research</i> , 2021, 9, .	1.2	3
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104	Top-Down Synthesis of Noble Metal Particles on High-Entropy Oxide Supports for Electrocatalysis. <i>Chemistry of Materials</i> , 2021, 33, 1771-1780.	3.2	92
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108	Enzyme-Inspired Iron Porphyrins for Improved Electrocatalytic Oxygen Reduction and Evolution Reactions. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7576-7581.	7.2	164
109	Precisely Engineering Architectures of Co/C Sub-Microreactors for Selective Syngas Conversion. <i>Small</i> , 2021, 17, e2100082.	5.2	14

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111	Recent Advances on Nonprecious-Metal-Based Bifunctional Oxygen Electrocatalysts for Zinc-Air Batteries. <i>Energy & Fuels</i> , 2021, 35, 6380-6401.	2.5	48
112	Current progress of molybdenum carbide-based materials for electrocatalysis: potential electrocatalysts with diverse applications. <i>Materials Today Chemistry</i> , 2021, 19, 100411.	1.7	23
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126	Rational Design and Engineering of One-Dimensional Hollow Nanostructures for Efficient Electrochemical Energy Storage. <i>Angewandte Chemie</i> , 2021, 133, 20262-20278.	1.6	13
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129	Axial Ligand Coordination Tuning of the Electrocatalytic Activity of Iron Porphyrin Electrografted onto Carbon Nanotubes for the Oxygen Reduction Reaction. <i>Chemistry - A European Journal</i> , 2021, 27, 9898-9904.	1.7	24
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