

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

Advanced Materials

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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. Journal of Materials Chemistry A, 2019, 7, 20649-20657.	10.3	33
2	Electronic reconfiguration of Co ₂ P induced by Cu doping enhancing oxygen reduction reaction activity in zinc-air batteries. Journal of Materials Chemistry A, 2019, 7, 21232-21243.	10.3	46
3	Co-Mn spinel supported self-catalysis induced N-doped carbon nanotubes with high efficiency electron transport channels for zinc-air batteries. Journal of Materials Chemistry A, 2019, 7, 22307-22313.	10.3	92
4	Effect of Molecular Structures of Donor Monomers of Polymers on Photovoltaic Properties. ACS Omega, 2019, 4, 19177-19182.	3.5	5
5	Carbon-pore-sheathed cobalt nanoseeds: An exceptional and durable bifunctional catalyst for zinc-air batteries. Nano Energy, 2019, 65, 104051.	16.0	43
6	Metallic state two-dimensional holey-structured Co ₃ FeN nanosheets as stable and bifunctional electrocatalysts for zinc-air batteries. Journal of Materials Chemistry A, 2019, 7, 26549-26556.	10.3	30
7	Anchoring MnCo ₂ O ₄ Nanorods from Bimetal-Organic Framework on rGO for High-Performance Oxygen Evolution and Reduction Reaction. ACS Omega, 2019, 4, 22325-22331.	3.5	22
8	Facile fabrication of a hierarchical NiCoFeP hollow nanoprism for efficient oxygen evolution in the Zn-air battery. Journal of Materials Chemistry A, 2019, 7, 24964-24972.	10.3	65
9	Metal-Organic Frameworks Based Electrocatalysts for the Oxygen Reduction Reaction. Angewandte Chemie, 2020, 132, 4662-4678.	2.0	114
10	Metal-Organic Frameworks Based Electrocatalysts for the Oxygen Reduction Reaction. Angewandte Chemie - International Edition, 2020, 59, 4634-4650.	13.8	457
11	Subnanometer iron clusters confined in a porous carbon matrix for highly efficient zinc-air batteries. Nanoscale Horizons, 2020, 5, 359-365.	8.0	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. Electrochimica Acta, 2020, 334, 135638.	5.2	25
13	Co single-atoms on ultrathin N-doped porous carbon <i>via</i> a biomass complexation strategy for high performance metal-air batteries. Journal of Materials Chemistry A, 2020, 8, 2131-2139.	10.3	68
14	Hierarchically Porous Multimetal-Based Carbon Nanorod Hybrid as an Efficient Oxygen Catalyst for Rechargeable Zinc-Air Batteries. Advanced Functional Materials, 2020, 30, 1908167.	14.9	105
15	Cage-confinement pyrolysis route to size-controlled molybdenum-based oxygen electrode catalysts: From isolated atoms to clusters and nanoparticles. Nano Energy, 2020, 67, 104288.	16.0	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. RSC Advances, 2020, 10, 34403-34412.	3.6	24
18	Titanium Oxide-Confined Manganese Oxide for One-Step Electrocatalytic Preparation of 2,5-Furandicarboxylic Acid in Acidic Media. ChemElectroChem, 2020, 7, 4251-4258.	3.4	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.	11.2	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.	8.0	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.	3.3	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.	10.3	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.	7.4	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.	5.1	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.	30.8	101
26	Hot electron prompted highly efficient photocatalysis based on 3D graphene/non-precious metal nanoparticles. <i>RSC Advances</i> , 2020, 10, 42054-42061.	3.6	3
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28	d-Orbital steered active sites through ligand editing on heterometal imidazole frameworks for rechargeable zinc-air battery. <i>Nature Communications</i> , 2020, 11, 5858.	12.8	109
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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.	5.5	23
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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.	4.7	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.	3.6	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.	5.1	26

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38	First-row transition metal oxide oxygen evolution electrocatalysts: regulation strategies and mechanistic understandings. Sustainable Energy and Fuels, 2020, 4, 5417-5432.	4.9	86
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46	Integration of CoFe Alloys and Fe/Fe ₃ C Nanoparticles into N-Doped Carbon Nanosheets as Dual Catalytic Active Sites To Promote the Oxygen Electrocatalysis of Zn-Air Batteries. ACS Sustainable Chemistry and Engineering, 2020, 8, 9009-9016.	6.7	30
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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. Journal of Materials Chemistry A, 2020, 8, 13996-14005.	10.3	14
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68	Three-Dimensional Mesoporous Phosphide-Spinel Oxide Heterojunctions with Dual Function as Catalysts for Overall Water Splitting. ACS Applied Energy Materials, 2020, 3, 1684-1693.	5.1	43
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75	Incorporation of Active Metal Species in Crystalline Porous Materials for Highly Efficient Synergetic Catalysis. <i>Small</i> , 2021, 17, e2003971.	10.0	31
76	Ultrafine Fe/Fe ₃ C decorated on Fe-N-C as bifunctional oxygen electrocatalysts for efficient Zn-air batteries. <i>Journal of Energy Chemistry</i> , 2021, 56, 72-79.	12.9	68
77	Continuous nitrogen-doped carbon nanotube matrix for boosting oxygen electrocatalysis in rechargeable Zn-air batteries. <i>Journal of Energy Chemistry</i> , 2021, 55, 183-189.	12.9	125
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85	Recent advances of metal-organic frameworks and their composites toward oxygen evolution electrocatalysis. <i>Materials Today Energy</i> , 2021, 19, 100597.	4.7	34
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105	Optimization of Ni-Co-Fe-Based Catalysts for Oxygen Evolution Reaction by Surface and Relaxation Phenomena Analysis. ChemSusChem, 2021, 14, 1737-1746.	6.8	17
106	Interface Engineering of Needle-Like P-Doped MoS_2 /CoP Arrays as Highly Active and Durable Bifunctional Electrocatalyst for Overall Water Splitting. ChemSusChem, 2021, 14, 1565-1573.	6.8	43
107	Metal-Organic Frameworks Derived Functional Materials for Electrochemical Energy Storage and Conversion: A Mini Review. Nano Letters, 2021, 21, 1555-1565.	9.1	351
108	Enzyme-Inspired Iron Porphyrins for Improved Electrocatalytic Oxygen Reduction and Evolution Reactions. Angewandte Chemie - International Edition, 2021, 60, 7576-7581.	13.8	164
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131	Structural Design Strategy and Active Site Regulation of High–Efficient Bifunctional Oxygen Reaction Electrocatalysts for Zn–Air Battery. <i>Small</i> , 2021, 17, e2006766.	10.0	89
132	Recent Advances on MOF Derivatives for Non-Noble Metal Oxygen Electrocatalysts in Zinc-Air Batteries. <i>Nano-Micro Letters</i> , 2021, 13, 137.	27.0	84
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140	Recent Advances in Enhancing Oxygen Reduction Reaction Performance for Non–Noble–Metal Electrocatalysts Derived from Electrospinning. <i>Energy Technology</i> , 2021, 9, 2100301.	3.8	6
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