Defect Chemistry of Nonpreciousâ€Metal Electrocataly

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Citation Report

#	Article	IF	Citations
1	A review of electrocatalyst characterization by transmission electron microscopy. Journal of Energy Chemistry, 2017, 26, 1117-1135.	7.1	32
2	Vacancy-assisted oxygen reduction reaction on cobalt-based catalysts in direct borohydride fuel cell revealed by in-situ XAFS and XRD. Electrochimica Acta, 2017, 254, 72-78.	2.6	18
3	Acid-etched layered double hydroxides with rich defects for enhancing the oxygen evolution reaction. Chemical Communications, 2017, 53, 11778-11781.	2.2	180
4	Synthesis and ORR electrocatalytic activity of mixed Mnâ€“Co oxides derived from divalent metal-based MIL-53 analogues. Dalton Transactions, 2017, 46, 15512-15519.	1.6	26
5	In situ growth of cobalt@cobalt-borate coreâ€“shell nanosheets as highly-efficient electrocatalysts for oxygen evolution reaction in alkaline/neutral medium. Nanoscale, 2017, 9, 16059-16065.	2.8	64
6	Rational design of carbon-based oxygen electrocatalysts for zincâ€“air batteries. Current Opinion in Electrochemistry, 2017, 4, 45-59.	2.5	38
7	On-site evolution of ultrafine ZnO nanoparticles from hollow metalâ€“organic frameworks for advanced lithium ion battery anodes. Journal of Materials Chemistry A, 2017, 5, 22512-22518.	5.2	77
8	Filling the oxygen vacancies in Co₃O₄with phosphorus: an ultra-efficient electrocatalyst for overall water splitting. Energy and Environmental Science, 2017, 10, 2563-2569.	15.6	859
9	Multiple active components, synergistically driven cobalt and nitrogen Co-doped porous carbon as high-performance oxygen reduction electrocatalyst. Inorganic Chemistry Frontiers, 2017, 4, 1748-1756.	3.0	32
10	Nitrogen and Fluorine-Codoped Porous Carbons as Efficient Metal-Free Electrocatalysts for Oxygen Reduction Reaction in Fuel Cells. ACS Applied Materials & Interfaces, 2017, 9, 32859-32867.	4.0	83
11	Facile Assembly of Co-Ni Layered Double Hydroxide Nanoflakes on Carbon Nitride Coated N-doped Graphene Hollow Spheres with High Electrochemical Capacitive Performance. Electrochimica Acta, 2017, 253, 21-30.	2.6	39
12	In situ evolution of highly dispersed amorphous CoO_xclusters for oxygen evolution reaction. Nanoscale, 2017, 9, 11969-11975.	2.8	138
13	Defects-rich graphene/carbon quantum dot composites as highly efficient electrocatalysts forÂaqueous zinc/air batteries. International Journal of Hydrogen Energy, 2017, 42, 21305-21310.	3.8	34
14	Defect Engineering toward Atomic Coâ€“N_xâ€“C in Hierarchical Graphene for Rechargeable Flexible Solid Znâ€Air Batteries. Advanced Materials, 2017, 29, 1703185.	11.1	614
15	A graphitic edge plane rich meso-porous carbon anode for alkaline water electrolysis. Physical Chemistry Chemical Physics, 2017, 19, 21987-21995.	1.3	14
16	Effect of Carbon Supports on Enhancing Mass Kinetic Current Density of Feâ€N/C Electrocatalysts. Chemistry - A European Journal, 2017, 23, 14597-14603.	1.7	18
17	Rapidly engineering the electronic properties and morphological structure of NiSe nanowires for the oxygen evolution reaction. Journal of Materials Chemistry A, 2017, 5, 25494-25500.	5.2	73
18	Unexpected catalytic performance of Feâ€“Mâ€“C (M = N, P, and S) electrocatalysts towards oxygen reduction reaction: surface heteroatoms boost the activity of Fe₂M/graphene nanocomposites. Dalton Transactions, 2017, 46, 16885-16894.	1.6	12

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19	Electrospun Thin-Walled CuCo₂O₄@C Nanotubes as Bifunctional Oxygen Electrocatalysts for Rechargeable Znâ€“Air Batteries. Nano Letters, 2017, 17, 7989-7994.	4.5	199
20	Boosting oxygen reduction activity of spinel CoFe 2 O 4 by strong interaction with hierarchical nitrogen-doped carbon nanocages. Science Bulletin, 2017, 62, 1365-1372.	4.3	18
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