

A review of nanocarbons in energy electrocatalysis: Multiple highly active sites

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Citation Report

#	ARTICLE	IF	CITATIONS
1	A review of transition metal chalcogenide/graphene nanocomposites for energy storage and conversion. Chinese Chemical Letters, 2017, 28, 2180-2194.	4.8	176
3	SAPO-34 templated growth of hierarchical porous graphene cages as electrocatalysts for both oxygen reduction and evolution. New Carbon Materials, 2017, 32, 509-516.	2.9	11
4	Stable N-doped & FeNi-decorated graphene non-precious electrocatalyst for Oxygen Reduction Reaction in Acid Medium. Scientific Reports, 2018, 8, 3757.	1.6	19
5	Freestanding Non-Precious Metal Electrocatalysts for Oxygen Evolution and Reduction Reactions. ChemElectroChem, 2018, 5, 1786-1804.	1.7	32
6	Vertically Aligned Oxygenated-CoS ₂ MoS ₂ Heteronanoshet Architecture from Polyoxometalate for Efficient and Stable Overall Water Splitting. ACS Catalysis, 2018, 8, 4612-4621.	5.5	290
7	Boosting ORR Catalytic Activity by Integrating Pyridine Dopants, a High Degree of Graphitization, and Hierarchical Pores into a MOF-Derived N-Doped Carbon in a Tandem Synthesis. Chemistry - an Asian Journal, 2018, 13, 1318-1326.	1.7	24
8	Efficient Co-N/PC@CNT bifunctional electrocatalytic materials for oxygen reduction and oxygen evolution reactions based on metal-organic frameworks. Nanoscale, 2018, 10, 9077-9086.	2.8	109
9	Metal organic frameworks as catalysts for oxygen reduction. Current Opinion in Electrochemistry, 2018, 9, 179-188.	2.5	40
10	Metal-organic frameworks for highly efficient oxygen electrocatalysis. Chinese Journal of Catalysis, 2018, 39, 207-227.	6.9	36
11	Coral-like Co ₃ O ₄ Decorated N-doped Carbon Particles as active Materials for Oxygen Reduction Reaction and Supercapacitor. Scientific Reports, 2018, 8, 1802.	1.6	41
12	A review of anion-regulated multi-anion transition metal compounds for oxygen evolution electrocatalysis. Inorganic Chemistry Frontiers, 2018, 5, 521-534.	3.0	123
13	Multiscale Principles To Boost Reactivity in Gas-Involving Energy Electrocatalysis. Accounts of Chemical Research, 2018, 51, 881-889.	7.6	437
14	A Tunable Molten-Salt Route for Scalable Synthesis of Ultrathin Amorphous Carbon Nanosheets as High-Performance Anode Materials for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 5577-5585.	4.0	84
15	Anion-Regulated Hydroxysulfide Monoliths as OER/ORR/HER Electrocatalysts and their Applications in Self-Powered Electrochemical Water Splitting. Small Methods, 2018, 2, 1800055.	4.6	91
16	CoCr ₇ C ₃ -like nanorods embedded on carbon nanofibers as effective electrocatalyst for methanol electro-oxidation. International Journal of Hydrogen Energy, 2018, 43, 9943-9953.	3.8	18
17	Facile synthesis of nanometer-sized NiFe layered double hydroxide/nitrogen-doped graphite foam hybrids for enhanced electrocatalytic oxygen evolution reactions. International Journal of Hydrogen Energy, 2018, 43, 7956-7963.	3.8	24
18	Defect-rich carbon fiber electrocatalysts with porous graphene skin for flexible solid-state zinc-air batteries. Energy Storage Materials, 2018, 15, 124-130.	9.5	162
19	Emerging Two-Dimensional Nanomaterials for Electrocatalysis. Chemical Reviews, 2018, 118, 6337-6408.	23.0	1,552

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22	Recent Advances in Energy Chemical Engineering of Next-Generation Lithium Batteries. <i>Engineering</i> , 2018, 4, 831-847.	3.2	169
23	Recent advances in energy chemistry of precious-metal-free catalysts for oxygen electrocatalysis. <i>Chinese Chemical Letters</i> , 2018, 29, 1757-1767.	4.8	63
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26	Co ₉ S ₈ -Catalyzed Growth of Thin-Walled Graphite Microtubes for Robust, Efficient Overall Water Splitting. <i>ChemSusChem</i> , 2018, 11, 4150-4155.	3.6	22
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34	The effect of carbon support on the oxygen reduction activity and durability of single-atom iron catalysts. <i>MRS Communications</i> , 2018, 8, 1158-1166.	0.8	27
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36	Distorted niobium-self-doped graphene in-situ grown from 2D niobium carbide for catalyzing oxygen reduction. <i>Carbon</i> , 2018, 139, 1144-1151.	5.4	19
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38	Rational synthesis of CaCo ₂ O ₄ nanoplate as an earth-abundant electrocatalyst for oxygen evolution reaction. <i>Journal of Energy Chemistry</i> , 2019, 31, 125-131.	7.1	12

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40	Recent progress in functionalized layered double hydroxides and their application in efficient electrocatalytic water oxidation. Journal of Energy Chemistry, 2019, 32, 93-104.	7.1	70
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112	Polyacrylamide hydrogel-derived three-dimensional hierarchical porous N,S co-doped carbon frameworks for electrochemical capacitors. <i>New Journal of Chemistry</i> , 2020, 44, 21279-21287.	1.4	2
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116	Electrospun Inorganic Nanofibers for Oxygen Electrocatalysis: Design, Fabrication, and Progress. <i>Advanced Energy Materials</i> , 2020, 10, 1902115.	10.2	111
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125	Multiscale Construction of Bifunctional Electrocatalysts for Long-Lifespan Rechargeable Zinc-Air Batteries. <i>Advanced Functional Materials</i> , 2020, 30, 2003619.	7.8	70
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143	Multiscale structural engineering of atomically dispersed FeN ₄ electrocatalyst for proton exchange membrane fuel cells. <i>Journal of Energy Chemistry</i> , 2021, 58, 629-635.	7.1	28
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