

Identification of catalytic sites for oxygen reduction in graphene materials

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Citation Report

#	ARTICLE	IF	CITATIONS
8	Experimental Observation of Redox-Induced Fe-N Switching Behavior as a Determinant Role for Oxygen Reduction Activity. ACS Nano, 2015, 9, 12496-12505.	7.3	499
9	Aminothiazole-derived N,S,Fe-doped graphene nanosheets as high performance electrocatalysts for oxygen reduction. Chemical Communications, 2015, 51, 17092-17095.	2.2	85
10	Chemistry of Multititudinous Active Sites for Oxygen Reduction Reaction in Transition Metal-Nitrogen-Carbon Electrocatalysts. Journal of Physical Chemistry C, 2015, 119, 25917-25928.	1.5	433
11	Core/Shell Face-Centered Tetragonal FePd/Pd Nanoparticles as an Efficient Non-Pt Catalyst for the Oxygen Reduction Reaction. ACS Nano, 2015, 9, 11014-11022.	7.3	165
12	Atomic Mechanism of Electrocatalytically Active Co-N Complexes in Graphene Basal Plane for Oxygen Reduction Reaction. ACS Applied Materials & Interfaces, 2015, 7, 27405-27413.	4.0	139
13	Nanostructured Electrocatalysts for PEM Fuel Cells and Redox Flow Batteries: A Selected Review. ACS Catalysis, 2015, 5, 7288-7298.	5.5	78
14	PGM-free Fe-N-C catalysts for oxygen reduction reaction: Catalyst layer design. Journal of Power Sources, 2016, 326, 43-49.	4.0	79
15	Synthesis of mesoporous Fe/N/C oxygen reduction catalysts through NaCl crystallite-confined pyrolysis of polyvinylpyrrolidone. Journal of Materials Chemistry A, 2016, 4, 12768-12773.	5.2	55
16	CO Poisoning Effects on FeNC and CN _x ORR Catalysts: A Combined Experimental-Computational Study. Journal of Physical Chemistry C, 2016, 120, 15173-15184.	1.5	57
17	Cumulative effect of transition metals on nitrogen and fluorine co-doped graphite nanofibers: an efficient and highly durable non-precious metal catalyst for the oxygen reduction reaction. Nanoscale, 2016, 8, 14650-14664.	2.8	61
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19	Theoretical study of stability of metal-N ₄ macrocyclic compounds in acidic media. Chinese Journal of Catalysis, 2016, 37, 1166-1171.	6.9	16
20	Nitrogen-doped cobalt phosphate@nanocarbon hybrids for efficient electrocatalytic oxygen reduction. Energy and Environmental Science, 2016, 9, 2563-2570.	15.6	216
21	Graphene layer encapsulated metal nanoparticles as a new type of non-precious metal catalysts for oxygen reduction. Asia-Pacific Journal of Chemical Engineering, 2016, 11, 382-385.	0.8	11
22	Highly Efficient Oxygen and Hydrogen Electrocatalytic Activities of Self-Morphogenic Nanoporous Carbon, Nitrogen Architectures. ChemNanoMat, 2016, 2, 99-103.	1.5	25
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24	Fe-N-doped carbon-based composite as an efficient and durable electrocatalyst for the oxygen reduction reaction. RSC Advances, 2016, 6, 114553-114559.	1.7	29
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27	Iron- π -nitrogen-functionalized carbon as efficient oxygen reduction reaction electrocatalyst in microbial fuel cells. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 19637-19644.	3.8	47
28	Minimizing Operando Demetallation of Fe-N-C Electrocatalysts in Acidic Medium. <i>ACS Catalysis</i> , 2016, 6, 3136-3146.	5.5	201
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35	A hollow spherical doped carbon catalyst derived from zeolitic imidazolate framework nanocrystals impregnated/covered with iron phthalocyanines. <i>Journal of Materials Chemistry A</i> , 2016, 4, 7859-7868.	5.2	37
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56	Single Cobalt Atoms with Precise N-Coordination as Superior Oxygen Reduction Reaction Catalysts. <i>Angewandte Chemie</i> , 2016, 128, 10958-10963.	1.6	373
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142	Atomically Dispersed Iron-Nitrogen Species as Electrocatalysts for Bifunctional Oxygen Evolution and Reduction Reactions. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 610-614.	7.2	950
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422	From Metal-Organic Frameworks to Single-Atom Fe Implanted N-doped Porous Carbons: Efficient Oxygen Reduction in Both Alkaline and Acidic Media. <i>Angewandte Chemie</i> , 2018, 130, 8661-8665.	1.6	104
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1535	Longitudinally Grafting of Graphene with Iron Phthalocyanine-based Porous Organic Polymer to Boost Oxygen Electroreduction. <i>Angewandte Chemie</i> , 0, , .	1.6	0
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