

Determination of the Electron Transfer Number for the Theory to Experiment

ACS Catalysis

6, 4720-4728

DOI: [10.1021/acscatal.6b01581](https://doi.org/10.1021/acscatal.6b01581)

Citation Report

#	ARTICLE	IF	CITATIONS
8	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
9	Evaluation of methanol oxidation catalysts by rotating disc voltammetry. Electrochimica Acta, 2016, 199, 12-17.	2.6	13
10	Electrocatalysis of oxygen reduction on iron- and cobalt-containing nitrogen-doped carbon nanotubes in acid media. Electrochimica Acta, 2016, 218, 303-310.	2.6	42
11	Evaluation of ethanol oxidation catalysts by rotating disc voltammetry. Electrochimica Acta, 2016, 215, 84-92.	2.6	23
12	Surface Charge Polarization at the Interface: Enhancing the Oxygen Reduction via Precise Synthesis of Heterogeneous Ultrathin Pt/PtTe Nanowire. Chemistry of Materials, 2016, 28, 8890-8898.	3.2	24
13	Evidences of the presence of different types of active sites for the oxygen reduction reaction with Fe/N/C based catalysts. Journal of Power Sources, 2016, 327, 204-211.	4.0	28
14	Nitrogen, phosphorus and sulfur co-doped ultrathin carbon nanosheets as a metal-free catalyst for selective oxidation of aromatic alkanes and the oxygen reduction reaction. Journal of Materials Chemistry A, 2016, 4, 18470-18477.	5.2	93
15	RRDE experiments on noble-metal and noble-metal-free catalysts: Impact of loading on the activity and selectivity of oxygen reduction reaction in alkaline solution. Applied Catalysis B: Environmental, 2017, 206, 115-126.	10.8	68
16	A hierarchically structured PtCo nanoflakes@nanotube as an electrocatalyst for methanol oxidation. Inorganic Chemistry Frontiers, 2017, 4, 845-849.	3.0	6
17	Anchoring of ultrafine Co ₃ O ₄ nanoparticles on MWCNTs using supercritical fluid processing and its performance evaluation towards electrocatalytic oxygen reduction reaction. Catalysis Science and Technology, 2017, 7, 1227-1234.	2.1	29
18	Controlling Highly Dominated N Configuration in N-Doped Graphene as Oxygen Reduction Catalyst. Journal of the Electrochemical Society, 2017, 164, F256-F258.	1.3	3
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23	Taking cues from nature: Hemoglobin catalysed oxygen reduction. Applied Materials Today, 2017, 7, 82-90.	2.3	24
24	Metal-Free Motifs for Solar Fuel Applications. Annual Review of Physical Chemistry, 2017, 68, 305-331.	4.8	14
25	Waste cotton-derived N-doped carbon as a sustainable metal-free electrocatalyst for oxygen reduction. Materials Letters, 2017, 188, 33-36.	1.3	9

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26	Dual-doped graphene/perovskite bifunctional catalysts and the oxygen reduction reaction. <i>Electrochemistry Communications</i> , 2017, 84, 65-70.	2.3	14
27	Bifunctional electro-catalytic performances of CoWO ₄ nanocubes for water redox reactions (OER/ORR). <i>RSC Advances</i> , 2017, 7, 45615-45623.	1.7	94
28	Facile synthesis of Co(OH) ₂ magnetic nanoflake deposited on reduced graphene oxide nanoflake as an efficient bi-functional electrocatalyst for oxygen evolution/reduction reactions in alkaline media. <i>Journal of Electroanalytical Chemistry</i> , 2017, 805, 11-17.	1.9	14
29	Effect of Dimensionality and Doping in Quasi-One-Dimensional (1-D) Nitrogen-Doped Graphene Nanoribbons on the Oxygen Reduction Reaction. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 38409-38418.	4.0	16
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35	Proton conductive Pt-Co nanoparticles anchoring on citric acid functionalized graphene for efficient oxygen reduction reaction. <i>Journal of Power Sources</i> , 2017, 360, 528-537.	4.0	12
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39	Efficient hierarchically synthesized Fe ₂ P nanoparticles embedded in an N,P-doped mesoporous carbon catalyst for the oxygen reduction reaction. <i>New Journal of Chemistry</i> , 2018, 42, 9488-9495.	1.4	7
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41	An All Solid-State Zinc-Air Battery with a Corrosion-Resistant Air Electrode. <i>ChemElectroChem</i> , 2018, 5, 1817-1821.	1.7	21
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43	Ammonia modification of high-surface-area activated carbons as metal-free electrocatalysts for oxygen reduction reaction. <i>Electrochimica Acta</i> , 2018, 263, 465-473.	2.6	27

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44	Enhanced oxygen reduction reaction of Pt deposited Fe/N-doped bimodal porous carbon nanostructure catalysts. <i>Journal of Catalysis</i> , 2018, 359, 46-54.	3.1	40
45	Co@VN encapsulated in bamboo-like N-doped carbon nanotubes for ultrahigh-stability of oxygen reduction reaction. <i>Nanoscale</i> , 2018, 10, 4311-4319.	2.8	72
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51	A Bifunctional Highly Efficient FeN_x/C Electrocatalyst. <i>Small</i> , 2018, 14, 1702827.	5.2	41
52	Carbon-supported metal nanodendrites as efficient, stable catalysts for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2018, 6, 1714-1726.	5.2	30
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57	Taming transition metals on N-doped CNTs by a one-pot method for efficient oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 7893-7902.	3.8	49
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61	Pt Co@NCNTs cathode catalyst using ZIF-67 for proton exchange membrane fuel cell. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 3520-3526.	3.8	38

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63	Influence of the Composition and Preparation of the Rotating Disk Electrode on the Performance of Mesoporous Electrocatalysts in the Alkaline Oxygen Reduction Reaction. <i>ChemElectroChem</i> , 2018, 5, 119-128.	1.7	17
64	Application of a non-noble Fe-N-C catalyst for oxygen reduction reaction in an alkaline direct ethanol fuel cell. <i>Renewable Energy</i> , 2018, 115, 226-237.	4.3	54
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66	Facile synthesis of efficient core-shell structured iron-based carbon catalyst for oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 1386-1395.	3.8	7
67	Au Ni alloy nanoparticles supported on reduced graphene oxide as highly efficient electrocatalysts for hydrogen evolution and oxygen reduction reactions. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 1424-1438.	3.8	42
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70	Synergic effect on oxygen reduction reaction of strapped iron porphyrins polymerized around carbon nanotubes. <i>New Journal of Chemistry</i> , 2018, 42, 19749-19754.	1.4	13
71	Accurate Determination of Catalyst Loading on Glassy Carbon Disk and Its Impact on Thin Film Rotating Disk Electrode for Oxygen Reduction Reaction. <i>Analytical Chemistry</i> , 2018, 90, 14181-14187.	3.2	34
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74	Editors' Choice: Electrocatalyzed Oxygen Reduction at Manganese Oxide Nanoarchitectures: From Electroanalytical Characterization to Device-Relevant Performance in Composite Electrodes. <i>Journal of the Electrochemical Society</i> , 2018, 165, H777-H783.	1.3	7
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81	Enhanced Oxidative and Adsorptive Removal of Diclofenac in Heterogeneous Fenton-like Reaction with Sulfide Modified Nanoscale Zerovalent Iron. <i>Environmental Science & Technology</i> , 2018, 52, 6466-6475.	4.6	129
82	Gold Nanoparticles Incorporated in a Zinc-Based Metal-Organic Framework as Multifunctional Catalyst for the Oxygen Reduction and Hydrogen Evolution Reactions. <i>ChemElectroChem</i> , 2018, 5, 2612-2619.	1.7	25
83	Encapsulated Laccases as Effective Electrocatalysts for Oxygen Reduction Reactions. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 11058-11062.	3.2	18
84	Few-layer graphdiyne doped with sp-hybridized nitrogen atoms at acetylenic sites for oxygen reduction electrocatalysis. <i>Nature Chemistry</i> , 2018, 10, 924-931.	6.6	558
85	Monodisperse Co ₉ S ₈ nanoparticles in situ embedded within N, S-codoped honeycomb-structured porous carbon for bifunctional oxygen electrocatalyst in a rechargeable Zn-air battery. <i>NPG Asia Materials</i> , 2018, 10, 670-684.	3.8	97
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88	Highly active bifunctional oxygen electrocatalysts derived from nickel- or cobalt-phytic acid xerogel for zinc-air batteries. <i>Nanoscale</i> , 2018, 10, 15834-15841.	2.8	31
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120	A general dual-templating approach to biomass-derived hierarchically porous heteroatom-doped carbon materials for enhanced electrocatalytic oxygen reduction. <i>Energy and Environmental Science</i> , 2019, 12, 648-655.	15.6	318
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123	Activating Hematite Nanoplates via Partial Reduction for Electrocatalytic Oxygen Reduction Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 11841-11849.	3.2	35
124	Silver-Palladium Electrodeposition on Unsupported Vulcan XC-72R for Oxygen Reduction Reaction in Alkaline Media. <i>ACS Applied Energy Materials</i> , 2019, 2, 4664-4673.	2.5	21
125	A synthetic chemist's guide to electroanalytical tools for studying reaction mechanisms. <i>Chemical Science</i> , 2019, 10, 6404-6422.	3.7	255
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127	Medium Modulated Oxygen Reduction Activity of Fe/Co Active Centre-Engrafted Electrocatalysts. <i>ChemElectroChem</i> , 2019, 6, 2956-2964.	1.7	4
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141	Transition Metal-Nitrogen-Carbon (M-N-C) Catalysts for Oxygen Reduction Reaction. Insights on Synthesis and Performance in Polymer Electrolyte Fuel Cells. ChemEngineering, 2019, 3, 16.	1.0	75
142	Polyacrylonitrile-derived nanostructured carbon materials. Progress in Polymer Science, 2019, 92, 89-134.	11.8	92
143	In situ nanoarchitecturing and active-site engineering toward highly efficient carbonaceous electrocatalysts. Nano Energy, 2019, 59, 207-215.	8.2	54
144	Nanoparticle electrocatalysis: Unscrambling illusory inhibition and catalysis. Applied Materials Today, 2019, 15, 139-144.	2.3	22
145	Lowering metal loadings onto Pt-Pd-Cu/graphene nanoribbon nanocomposites affects electrode collection efficiency and oxygen reduction reaction performance. Electrochimica Acta, 2019, 303, 192-203.	2.6	23
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