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Fabrication and electrocatalytic performance of highly stable and active platinum nanoparticles supported on nitrogen-doped ordered mesoporous carbons for oxygen reduction reaction

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#	Paper	IF	Citations
69	Enhanced Stability of PtRu Supported on N-Doped Carbon for the Anode of a DMFC. <i>Journal of the Electrochemical Society</i> , 2012 , 159, F768-F778	3.9	17
68	One-pot synthesis of three-dimensional platinum nanochain networks as stable and active electrocatalysts for oxygen reduction reactions. <i>Journal of Materials Chemistry</i> , 2012 , 22, 13585		88
67	Template-free synthesis of rectangular mesoporous carbon nanorods and their application as a support for Pt electrocatalysts. <i>Journal of Materials Chemistry</i> , 2012 , 22, 5758		28
66	Facile synthesis of nitrogen-doped carbonPt nanoparticle hybrids via carbonization of poly([Bvim][Br]-co-acrylonitrile) for electrocatalytic oxidation of methanol. <i>Journal of Materials Chemistry</i> , 2012 , 22, 13578		53
65	Effect of a nitrogen-doped PtRu/carbon anode catalyst on the durability of a direct methanol fuel cell. <i>Journal of Power Sources</i> , 2012 , 217, 142-151	8.9	36
64	Coupling of anodic and cathodic modification for increased power generation in microbial fuel cells. <i>Journal of Power Sources</i> , 2012 , 219, 358-363	8.9	23
63	Metal-air batteries: from oxygen reduction electrochemistry to cathode catalysts. <i>Chemical Society Reviews</i> , 2012 , 41, 2172-92	58.5	1978
62	Effects of pore structure in nitrogen functionalized mesoporous carbon on oxygen reduction reaction activity of platinum nanoparticles. <i>Carbon</i> , 2013 , 60, 28-40	10.4	13
61	Temperature controlled surface chemistry of nitrogen-doped mesoporous carbon and its influence on Pt ORR activity. <i>Applied Catalysis A: General</i> , 2013 , 464-465, 233-242	5.1	25
60	Ordered mesoporous carbonCarbon nanotube nanocomposites as highly conductive and durable cathode catalyst supports for polymer electrolyte fuel cells. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 1270-1283	13	51
59	Decorated resol derived mesoporous carbon: highly ordered microstructure, rich boron incorporation, and excellent electrochemical capacitance. <i>RSC Advances</i> , 2013 , 3, 3578	3.7	15
58	Porous carbon supported FeNi for applications as cathodic electrocatalysts in fuel cells. <i>Microporous and Mesoporous Materials</i> , 2013 , 170, 150-154	5.3	16
57	Novel synthesis of reduced graphene oxide-ordered mesoporous carbon composites and their application in electrocatalysis. <i>Electrochimica Acta</i> , 2013 , 90, 53-62	6.7	22
56	High stability of low Pt loading high surface area electrocatalysts supported on functionalized carbon nanotubes. <i>Journal of Power Sources</i> , 2013 , 231, 113-121	8.9	36
55	Synthesis and Electrochemical Characterization of N-Doped Partially Graphitized Ordered Mesoporous CarbonCo Composite. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 16896-16906	3.8	93
54	Hydrazine hydrate chemical reduction as an effective anode modification method to improve the performance of microbial fuel cells. <i>Journal of Chemical Technology and Biotechnology</i> , 2013 , 88, n/a-n/a ³⁻⁵		
53	Highly nitrogen-doped mesoscopic carbons as efficient metal-free electrocatalysts for oxygen reduction reactions. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 20030-20037	13	34

52	Chemically modified graphite felt as an efficient cathode in electro-Fenton for p-nitrophenol degradation. <i>Electrochimica Acta</i> , 2014 , 140, 376-383	6.7	147
51	Impact of framework structure of ordered mesoporous carbons on the performance of supported Pt catalysts for oxygen reduction reaction. <i>Carbon</i> , 2014 , 72, 354-364	10.4	35
50	Synthesis and characterization of carbon incorporated Fe _N /carbons for methanol-tolerant oxygen reduction reaction of polymer electrolyte fuel cells. <i>Journal of Power Sources</i> , 2014 , 250, 279-285	8.9	46
49	Recent Progress on Mesoporous Carbon Materials for Advanced Energy Conversion and Storage. <i>Particle and Particle Systems Characterization</i> , 2014 , 31, 515-539	3.1	73
48	Porous carbon-modified electrodes as highly selective and sensitive sensors for detection of dopamine. <i>Analyst, The</i> , 2014 , 139, 4994-5000	5	47
47	Recovery of Pt Surfaces for Ethylene Hydrogenation-Based Active Site Determination. <i>Catalysis Letters</i> , 2014 , 144, 1151-1158	2.8	9
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45	Tailored design of functional nanoporous carbon materials toward fuel cell applications. <i>Nano Today</i> , 2014 , 9, 305-323	17.9	230
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32	Hierarchisch strukturierte Nanomaterialien für die elektrochemische Energieumwandlung. <i>Angewandte Chemie</i> , 2016 , 128, 128-156	3.6	16
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30	Synthesis and Electrochemical Performance of Ni/Ordered Mesoporous Carbon Composites with High Surface Areas. <i>Journal of the Electrochemical Society</i> , 2016 , 163, E179-E184	3.9	8
29	Ruthenium nanoparticles decorated curl-like porous carbons for high performance supercapacitors. <i>Scientific Reports</i> , 2016 , 6, 19949	4.9	40
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25	Polymer-mediated synthesis of a nitrogen-doped carbon aerogel with highly dispersed Pt nanoparticles for enhanced electrocatalytic activity. <i>Electrochimica Acta</i> , 2016 , 193, 137-144	6.7	22
24	Synthesis, characterization, and electrochemical performance of nitrogen-modified PtFe alloy nanoparticles supported on ordered mesoporous carbons. <i>Journal of Nanoparticle Research</i> , 2016 , 18, 1	2.3	3
23	Economical nanocomposites of cobalt or nickel species and polyaniline-derived N-doped mesoporous carbons for dye-sensitized solar cells as counter electrodes. <i>Journal of Catalysis</i> , 2017 , 351, 19-32	7.3	17
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21	Ultra-high surface area and mesoporous N-doped carbon derived from sheep bones with high electrocatalytic performance toward the oxygen reduction reaction. <i>Journal of Solid State Electrochemistry</i> , 2017 , 21, 2947-2954	2.6	17
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19	N-doped ordered mesoporous carbon/graphene composites with supercapacitor performances fabricated by evaporation induced self-assembly. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 29820-29829	6.7	43
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