

Myounghoon Choun

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

648
citations

586496

16
h-index

721071

23
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23
all docs

23
docs citations

23
times ranked

1366
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorbed Hydrogen as a Site-Occupying Species in the Electrocatalytic Oxidation of Formate on Pd/C in Alkaline Medium. <i>Journal of the Electrochemical Society</i> , 2018, 165, J3266-J3270.	1.3	19
2	Overcome Mass Transfer Limitation of PEMFC Cathode Via Incorporation of Hydrophobic Carbon Nanostructure. <i>ECS Transactions</i> , 2018, 85, 475-487.	0.3	1
3	Improved water management of Pt/C cathode modified by graphitized carbon nanofiber in proton exchange membrane fuel cell. <i>Journal of Power Sources</i> , 2018, 399, 350-356.	4.0	36
4	Catalytically active highly metallic palladium on carbon support for oxidation of HCOO ⁻ . <i>Catalysis Today</i> , 2017, 295, 26-31.	2.2	28
5	Tree-like Shaped N-doped Porous Carbon Anode for Hydrazine Fuel Cells. <i>Angewandte Chemie</i> , 2017, 129, 13698-13701.	1.6	5
6	Tree-like Shaped N-doped Porous Carbon Anode for Hydrazine Fuel Cells. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13513-13516.	7.2	38
7	A graphitic edge plane rich meso-porous carbon anode for alkaline water electrolysis. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 21987-21995.	1.3	14
8	Alkaline Ammonia Electrolysis on Electrodeposited Platinum for Controllable Hydrogen Production. <i>ChemSusChem</i> , 2016, 9, 403-408.	3.6	57
9	Nitrogen-Deficient ORR Active Sites Formation by Iron-Assisted Water Vapor Activation of Electrospun Carbon Nanofibers. <i>Journal of Physical Chemistry C</i> , 2016, 120, 7705-7714.	1.5	48
10	Pore-filled anion-exchange membranes for electrochemical energy conversion applications. <i>Electrochimica Acta</i> , 2016, 222, 212-220.	2.6	24
11	Electro-oxidation of mixed reactants of ethanol and formate on Pd/C in alkaline fuel cells. <i>Journal of Energy Chemistry</i> , 2016, 25, 683-690.	7.1	24
12	Positively charged carbon electrocatalyst for enhanced power performance of L-ascorbic acid fuel cells. <i>Journal of Energy Chemistry</i> , 2016, 25, 793-797.	7.1	16
13	Atomic layer deposition of ultrathin layered TiO ₂ on Pt/C cathode catalyst for extended durability in polymer electrolyte fuel cells. <i>Journal of Energy Chemistry</i> , 2016, 25, 258-264.	7.1	22
14	SPPO pore-filled composite membranes with electrically aligned ion channels via a lab-scale continuous caster for fuel cells: An optimal DC electric field strength-IEC relationship. <i>Journal of Membrane Science</i> , 2016, 501, 15-23.	4.1	18
15	Effect of transition metal induced pore structure on oxygen reduction reaction of electrospun fibrous carbon. <i>Catalysis Today</i> , 2016, 260, 82-88.	2.2	30
16	Polydimethylsiloxane treated cathode catalyst layer to prolong hydrogen fuel cell lifetime. <i>Catalysis Today</i> , 2016, 262, 155-160.	2.2	21
17	Designing a Highly Active Metal-free Oxygen Reduction Catalyst in Membrane Electrode Assemblies for Alkaline Fuel Cells: Effects of Pore Size and Doping Site Position. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9230-9234.	7.2	118
18	Diagnosis of the measurement inconsistencies of carbon-based electrocatalysts for the oxygen reduction reaction in alkaline media. <i>RSC Advances</i> , 2015, 5, 1571-1580.	1.7	42

#	ARTICLE	IF	CITATIONS
19	Influence of Solution pH on Pt Anode Catalyst in Direct Formic Acid Fuel Cells. ACS Catalysis, 2015, 5, 6848-6851.	5.5	24
20	in-situ electrochemical extended X-ray absorption fine structure spectroscopy study on the reactivation of Pd electrocatalyst in formic acid oxidation. Electrochimica Acta, 2014, 140, 525-528.	2.6	7
21	Controlled water flooding of polymer electrolyte fuel cells applying superhydrophobic gas diffusion layer. Current Applied Physics, 2014, 14, 1374-1379.	1.1	21
22	Atomic-layer-deposited TiO ₂ on cathode gas diffusion layer for low humidity operation in hydrogen fuel cells. Electrochemistry Communications, 2012, 24, 108-111.	2.3	26