

Won Suk Jung

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

606
citations

686830

13
h-index

610482

24
g-index

25
all docs

25
docs citations

25
times ranked

883
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct formic acid fuel cell portable power system for the operation of a laptop computer. <i>Journal of Power Sources</i> , 2006, 162, 532-540.	4.0	126
2	An N-doped porous carbon network with a multidirectional structure as a highly efficient metal-free catalyst for the oxygen reduction reaction. <i>Nanoscale</i> , 2019, 11, 2423-2433.	2.8	63
3	Analysis of palladium-based anode electrode using electrochemical impedance spectra in direct formic acid fuel cells. <i>Journal of Power Sources</i> , 2007, 173, 53-59.	4.0	56
4	New Method to Synthesize Highly Active and Durable Chemically Ordered fct-PtCo Cathode Catalyst for PEMFCs. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 23679-23686.	4.0	51
5	Highly stable and ordered intermetallic PtCo alloy catalyst supported on graphitized carbon containing Co@CN for oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2020, 8, 19833-19842.	5.2	47
6	Improved durability of Pt catalyst supported on N-doped mesoporous graphitized carbon for oxygen reduction reaction in polymer electrolyte membrane fuel cells. <i>Carbon</i> , 2017, 122, 746-755.	5.4	34
7	Study on durability of Pt supported on graphitized carbon under simulated start-up/shut-down conditions for polymer electrolyte membrane fuel cells. <i>Journal of Energy Chemistry</i> , 2018, 27, 326-334.	7.1	33
8	Highly Active and Durable Co-Doped Pt/CCC Cathode Catalyst for Polymer Electrolyte Membrane Fuel Cells. <i>Electrochimica Acta</i> , 2015, 167, 1-12.	2.6	30
9	Performance degradation of direct formic acid fuel cell incorporating a Pd anode catalyst. <i>Journal of Power Sources</i> , 2011, 196, 4573-4578.	4.0	28
10	Effect of Pretreatment on Durability of fct-Structured Pt-Based Alloy Catalyst for the Oxygen Reduction Reaction under Operating Conditions in Polymer Electrolyte Membrane Fuel Cells. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 9809-9817.	3.2	27
11	Hybrid cathode catalyst with synergistic effect between carbon composite catalyst and Pt for ultra-low Pt loading in PEMFCs. <i>Catalysis Today</i> , 2017, 295, 65-74.	2.2	26
12	Binder-coated electrodeposited PtNiCu catalysts for the oxygen reduction reaction in high-temperature polymer electrolyte membrane fuel cells. <i>Applied Surface Science</i> , 2020, 510, 145444.	3.1	14
13	High-performance bimetallic alloy catalyst using Ni and N co-doped composite carbon for the oxygen electro-reduction. <i>Journal of Colloid and Interface Science</i> , 2018, 514, 30-39.	5.0	13
14	Induced changes of Pt/C in activity and durability through heat-treatment for oxygen reduction reaction in acidic medium. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 22830-22840.	3.8	10
15	Development of Supported Bifunctional Oxygen Electrocatalysts with High Performance for Unitized Regenerative Fuel Cell Applications. <i>ECS Transactions</i> , 2010, 33, 1979-1987.	0.3	8
16	Development of ultra-low highly active and durable hybrid compressive platinum lattice cathode catalysts for polymer electrolyte membrane fuel cells. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 12507-12520.	3.8	8
17	Ternary $\langle \text{NiMo} \rangle$ catalysts for enhanced activity and durability in proton exchange membrane water electrolysis. <i>International Journal of Energy Research</i> , 2022, 46, 13023-13034.	2.2	7
18	Comparative investigation of nitrogen species in transition metals incorporated carbon catalysts for the oxygen reduction reaction. <i>Chemical Physics Letters</i> , 2018, 708, 42-47.	1.2	6

#	ARTICLE	IF	CITATIONS
19	Review“Development of Highly Active and Stable Catalyst Supports and Platinum“Free Catalysts for PEM Fuel Cell. Journal of the Electrochemical Society, 2022, 169, 074501.	1.3	6
20	Enhanced stability of PdPtAu alloy catalyst for formic acid oxidation. Korean Journal of Chemical Engineering, 2021, 38, 2229-2234.	1.2	5
21	Titania Supported Platinum Catalyst with High Electrocatalytic Activity and Stability for Polymer Electrolyte Membrane Fuel Cell. ECS Transactions, 2010, 33, 483-491.	0.3	3
22	Enhanced Performance of Pt Nanoparticles on Ni-N Co-Doped Graphitized Carbon for Oxygen Reduction Reaction in Polymer Electrolyte Membrane Fuel Cells. Catalysts, 2021, 11, 909.	1.6	2
23	Recent Studies on Bimetallic Pt“M Catalyst for the Oxygen Reduction Reaction in Polymer Electrolyte Membrane Fuel Cells. Journal of Korean Institute of Metals and Materials, 2021, 59, 741-752.	0.4	2
24	(Invited)Development of Highly Active and Durable Hybrid Compressive Platinum for Polymer Electrolyte Membrane (PEM) Fuel Cells at USC. ECS Transactions, 2018, 85, 123-135.	0.3	1
25	(Invited) Development of Highly Active and Durable Hybrid Compressive Platinum Lattice Cathode Catalyst for Polymer Electrolyte Membrane (PEM) Fuel Cells at USC. ECS Meeting Abstracts, 2018, , .	0.0	0