

Dae-Soo Yang

List of Publications by Year in descending order

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23
papers

1,976
citations

471509

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docs citations

24
times ranked

3581
citing authors

#	ARTICLE	IF	CITATIONS
1	Phosphorus-Doped Ordered Mesoporous Carbons with Different Lengths as Efficient Metal-Free Electrocatalysts for Oxygen Reduction Reaction in Alkaline Media. <i>Journal of the American Chemical Society</i> , 2012, 134, 16127-16130.	13.7	866
2	Highly efficient metal-free phosphorus-doped platelet ordered mesoporous carbon for electrocatalytic oxygen reduction. <i>Carbon</i> , 2014, 67, 736-743.	10.3	141
3	Seaweed-Derived Heteroatom-Doped Highly Porous Carbon as an Electrocatalyst for the Oxygen Reduction Reaction. <i>ChemSusChem</i> , 2014, 7, 1755-1763.	6.8	136
4	Fe-Treated Heteroatom (S/N/B/P)-Doped Graphene Electrocatalysts for Water Oxidation. <i>ACS Catalysis</i> , 2017, 7, 2381-2391.	11.2	99
5	Iron-polypyrrole electrocatalyst with remarkable activity and stability for ORR in both alkaline and acidic conditions: a comprehensive assessment of catalyst preparation sequence. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8645-8657.	10.3	90
6	Nitrogen-doped hollow carbon spheres with highly graphitized mesoporous shell: Role of Fe for oxygen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2016, 191, 202-208.	20.2	81
7	Morphology-Dependent Li Storage Performance of Ordered Mesoporous Carbon as Anode Material. <i>Langmuir</i> , 2013, 29, 6754-6761.	3.5	72
8	The role of iron in the preparation and oxygen reduction reaction activity of nitrogen-doped carbon. <i>Chemical Communications</i> , 2015, 51, 2450-2453.	4.1	69
9	One-step functionalization of multi-walled carbon nanotubes by radiation-induced graft polymerization and their application as enzyme-free biosensors. <i>Radiation Physics and Chemistry</i> , 2010, 79, 434-440.	2.8	51
10	High efficient Pt counter electrode prepared by homogeneous deposition method for dye-sensitized solar cell. <i>Applied Energy</i> , 2012, 100, 132-137.	10.1	47
11	N-Doped Hierarchical Hollow Mesoporous Carbon as Metal-Free Cathode for Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2014, 118, 16694-16702.	3.1	44
12	Poly(p-phenylene)-based membrane materials with excellent cell efficiencies and durability for use in vanadium redox flow batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 12285-12296.	10.3	41
13	Electrocatalytic activity of nitrogen-doped CNT graphite felt hybrid for all-vanadium redox flow batteries. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 1516-1522.	7.1	41
14	Preparation of Nitrogen-Doped Porous Carbon Nanofibers and the Effect of Porosity, Electrical Conductivity, and Nitrogen Content on Their Oxygen Reduction Performance. <i>ChemCatChem</i> , 2014, 6, 1236-1244.	3.7	40
15	Nitrogen-Doped Ordered Mesoporous Carbon with Different Morphologies for the Oxygen Reduction Reaction: Effect of Iron Species and Synergy of Textural Properties. <i>ChemCatChem</i> , 2015, 7, 2882-2890.	3.7	32
16	Highly efficient supported PtFe cathode electrocatalysts prepared by homogeneous deposition for proton exchange membrane fuel cell. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 13681-13688.	7.1	27
17	Multimodal porous and nitrogen-functionalized electrode based on graphite felt modified with carbonized porous polymer skin layer for all-vanadium redox flow battery. <i>Materials Today Energy</i> , 2019, 11, 159-165.	4.7	25
18	A highly efficient carbon-supported Pt electrocatalyst prepared by γ -irradiation for cathodic oxygen reduction. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 1688-1697.	7.1	16

#	ARTICLE	IF	CITATIONS
19	Simple approach to advanced binder-free nitrogen-doped graphene electrode for lithium batteries. RSC Advances, 2015, 5, 3881-3887.	3.6	14
20	TEMPO Radical-Embedded Perfluorinated Sulfonic Acid Ionomer Composites for Vanadium Redox Flow Batteries. Energy & Fuels, 2020, 34, 7631-7638.	5.1	13
21	Mesopore Channel Length Control in Ordered Mesoporous Carbon Hosts for High Performance Lithium-Sulfur Batteries. Journal of the Electrochemical Society, 2019, 166, A5244-A5251.	2.9	11
22	One-step preparation of Pt@M@FP-MWNT catalysts (M=Ru, Ni, Co, Sn, and Au) by γ -ray irradiation and their catalytic efficiency for CO and MeOH. Journal of Industrial and Engineering Chemistry, 2012, 18, 538-545.	5.8	9
23	Novel interfacial bonding layers with controlled gradient composition profile for hydrocarbon-based membrane electrode assemblies. Journal of Power Sources, 2018, 398, 1-8.	7.8	9