

Haisu Kang

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

216
citations

1040056

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h-index

1281871

11
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docs citations

11
times ranked

229
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasma-engineered organic dyes as efficient polysulfide-mediating layers for high performance lithium-sulfur batteries. <i>Chemical Engineering Journal</i> , 2022, 430, 132679.	12.7	5
2	Pyro-polymerization of organic pigments for superior lithium storage. <i>Carbon</i> , 2022, 188, 187-196.	10.3	4
3	Revelation of transport properties of ultra-thin ionomer films in catalyst layer of polymer electrolyte membrane fuel cells using molecular dynamics. <i>Applied Surface Science</i> , 2022, 598, 153815.	6.1	13
4	Prediction of Lap Shear Strength and Impact Peel Strength of Epoxy Adhesive by Machine Learning Approach. <i>Nanomaterials</i> , 2021, 11, 872.	4.1	13
5	Molecular dynamics simulation study on the effect of perfluorosulfonic acid side chains on oxygen permeation in hydrated ionomers of PEMFCs. <i>Scientific Reports</i> , 2021, 11, 8702.	3.3	19
6	Persulfate activation by nanodiamond-derived carbon onions: Effect of phase transformation of the inner diamond core on reaction kinetics and mechanisms. <i>Applied Catalysis B: Environmental</i> , 2021, 293, 120205.	20.2	35
7	Nanostructures of Nafion Film at Platinum/Carbon Surface in Catalyst Layer of PEMFC: Molecular Dynamics Simulation Approach. <i>Journal of Physical Chemistry C</i> , 2020, 124, 21386-21395.	3.1	32
8	Structure-dependent sodium ion storage mechanism of cellulose nanocrystal-based carbon anodes for highly efficient and stable batteries. <i>Journal of Power Sources</i> , 2020, 468, 228371.	7.8	24
9	Controlling Ionomer Film Morphology through Altering Pt Catalyst Surface Properties for Polymer Electrolyte Membrane Fuel Cells. <i>ACS Applied Polymer Materials</i> , 2020, 2, 1807-1818.	4.4	23
10	Magnetic Field-Induced Through-Plane Alignment of the Proton Highway in a Proton Exchange Membrane. <i>ACS Applied Energy Materials</i> , 2020, 3, 4619-4628.	5.1	24
11	Investigating the influence of the side-chain pendants of perfluorosulfonic acid membranes in a PEMFC by molecular dynamics simulations. <i>Materials Today Communications</i> , 2019, 21, 100625.	1.9	24