

Magnus So

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

97
citations

1684188

5
h-index

1372567

10
g-index

15
all docs

15
docs citations

15
times ranked

88
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical analysis on influence of surface structures of cathode catalyst layers on performance of polymer electrolyte fuel cells. <i>Electrochemical Science Advances</i> , 2023, 3, .	2.8	0
2	Design of porous metal collector via bubble template-assisted electrochemical deposition using numerical simulation. <i>Chemical Engineering Journal Advances</i> , 2022, 10, 100266.	5.2	2
3	Simulation of All-Solid-State Lithium-Ion Batteries With Fastening Stress and Volume Expansion. <i>Journal of Electrochemical Energy Conversion and Storage</i> , 2022, 19, .	2.1	2
4	Stress Prediction of the Particle Structure of All-Solid-State Batteries by Numerical Simulation and Machine Learning. <i>Frontiers in Chemical Engineering</i> , 2022, 4, .	2.7	2
5	Simulation of the compaction of an all-solid-state battery cathode with coated particles using the discrete element method. <i>Journal of Power Sources</i> , 2022, 530, 231279.	7.8	6
6	Simulation of Fabrication and Degradation of All-Solid-State Batteries with Ductile Particles. <i>Journal of the Electrochemical Society</i> , 2021, 168, 030538.	2.9	13
7	Numerical Analysis of Silica Coating Effect on Pt Cathode Catalyst in Polymer Electrolyte Fuel Cells. <i>Journal of Chemical Engineering of Japan</i> , 2021, 54, 226-231.	0.6	4
8	Effect of mold pressure on compaction and ion conductivity of all-solid-state batteries revealed by the discrete element method. <i>Journal of Power Sources</i> , 2021, 508, 230344.	7.8	19
9	Influence of Cathode Catalyst Layer with SiO ₂ -Coated Pt/Ketjen Black Catalysts on Performance for Polymer Electrolyte Fuel Cells. <i>Catalysts</i> , 2021, 11, 1517.	3.5	2
10	A Particle Based Ionomer Attachment Model for a Fuel Cell Catalyst Layer. <i>Journal of the Electrochemical Society</i> , 2020, 167, 013544.	2.9	17
11	A discrete particle packing model for the formation of a catalyst layer in polymer electrolyte fuel cells. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 32170-32183.	7.1	17
12	Modelling the Effect of Biofilm Morphology on Detachment. <i>Journal of Water and Environment Technology</i> , 2015, 13, 49-62.	0.7	5
13	Modelling the Bio-Clogging of Multispecies Biofilms in Sponge Carrier Media. <i>Journal of Water and Environment Technology</i> , 2015, 13, 263-278.	0.7	0
14	Model Development of a Sponge Carrier Process Using CFD-DEM with Permeable Particles. <i>Journal of Water and Environment Technology</i> , 2012, 10, 193-204.	0.7	4
15	Influence of Surface Structure on Performance of Inkjet Printed Cathode Catalyst Layers for Polymer Electrolyte Fuel Cells. <i>Journal of Electrochemical Energy Conversion and Storage</i> , 0, , 1-26.	2.1	4