

Kayoung Park

List of Publications by Year in descending order

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papers

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1478505

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docs citations

18
times ranked

181
citing authors

#	ARTICLE	IF	CITATIONS
1	The effect of solvent and ionomer on agglomeration in fuel cell catalyst inks: Simulation by the Discrete Element Method. International Journal of Hydrogen Energy, 2019, 44, 28984-28995.	7.1	43
2	Simulation of carbon black aggregate and evaluation of ionomer structure on carbon in catalyst layer of polymer electrolyte fuel cell. Journal of Power Sources, 2019, 439, 227060.	7.8	41
3	Improvement of cell performance in catalyst layers with silica-coated Pt/carbon catalysts for polymer electrolyte fuel cells. International Journal of Hydrogen Energy, 2020, 45, 1867-1877.	7.1	23
4	A discrete particle packing model for the formation of a catalyst layer in polymer electrolyte fuel cells. International Journal of Hydrogen Energy, 2019, 44, 32170-32183.	7.1	17
5	A Particle Based Ionomer Attachment Model for a Fuel Cell Catalyst Layer. Journal of the Electrochemical Society, 2020, 167, 013544.	2.9	17
6	Carbon-supported Pd-Ag catalysts with silica-coating layers as active and durable cathode catalysts for polymer electrolyte fuel cells. International Journal of Hydrogen Energy, 2017, 42, 18951-18958.	7.1	13
7	Simulation of the compaction of an all-solid-state battery cathode with coated particles using the discrete element method. Journal of Power Sources, 2022, 530, 231279.	7.8	6
8	Carbon nanofiber supports for the preparation of Pt-based metal nanoparticles with high tolerance to sintering. Applied Catalysis A: General, 2013, 450, 211-221.	4.3	5
9	Numerical Analysis of Silica Coating Effect on Pt Cathode Catalyst in Polymer Electrolyte Fuel Cells. Journal of Chemical Engineering of Japan, 2021, 54, 226-231.	0.6	4
10	Influence of Surface Structure on Performance of Inkjet Printed Cathode Catalyst Layers for Polymer Electrolyte Fuel Cells. Journal of Electrochemical Energy Conversion and Storage, 0, , 1-26.	2.1	4
11	Microscale simulations of reaction and mass transport in cathode catalyst layer of polymer electrolyte fuel cell. International Journal of Hydrogen Energy, 2022, 47, 12665-12683.	7.1	4
12	3D generation and reconstruction of the fuel cell catalyst layer using 2D images based on deep learning. Journal of Power Sources Advances, 2022, 14, 100084.	5.1	4
13	Design of porous metal collector via bubble template-assisted electrochemical deposition using numerical simulation. Chemical Engineering Journal Advances, 2022, 10, 100266.	5.2	2
14	Simulation of All-Solid-State Lithium-Ion Batteries With Fastening Stress and Volume Expansion. Journal of Electrochemical Energy Conversion and Storage, 2022, 19, .	2.1	2
15	Influence of Cathode Catalyst Layer with SiO ₂ -Coated Pt/Ketjen Black Catalysts on Performance for Polymer Electrolyte Fuel Cells. Catalysts, 2021, 11, 1517.	3.5	2
16	Effect of Double-Sided 3D Patterned Cathode Catalyst Layers on Polymer Electrolyte Fuel Cell Performance. Energies, 2022, 15, 1179.	3.1	1
17	Numerical analysis on influence of surface structures of cathode catalyst layers on performance of polymer electrolyte fuel cells. Electrochemical Science Advances, 2023, 3, .	2.8	0
18	Evaluation of ionomer distribution on porous carbon aggregates in catalyst layers of polymer electrolyte fuel cells. Journal of Power Sources Advances, 2022, 15, 100096.	5.1	0