

# Kayoung Park

## List of Publications by Year in descending order

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18  
papers

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citations

1478505

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docs citations

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times ranked

181  
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	Effect of Double-Sided 3D Patterned Cathode Catalyst Layers on Polymer Electrolyte Fuel Cell Performance. <i>Energies</i> , 2022, 15, 1179.	3.1	1
3	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
4	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
5	Microscale simulations of reaction and mass transport in cathode catalyst layer of polymer electrolyte fuel cell. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 12665-12683.	7.1	4
6	3D generation and reconstruction of the fuel cell catalyst layer using 2D images based on deep learning. <i>Journal of Power Sources Advances</i> , 2022, 14, 100084.	5.1	4
7	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
8	Evaluation of ionomer distribution on porous carbon aggregates in catalyst layers of polymer electrolyte fuel cells. <i>Journal of Power Sources Advances</i> , 2022, 15, 100096.	5.1	0
9	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
10	Influence of Cathode Catalyst Layer with SiO <sub>2</sub> -Coated Pt/Ketjen Black Catalysts on Performance for Polymer Electrolyte Fuel Cells. <i>Catalysts</i> , 2021, 11, 1517.	3.5	2
11	Improvement of cell performance in catalyst layers with silica-coated Pt/carbon catalysts for polymer electrolyte fuel cells. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 1867-1877.	7.1	23
12	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
13	The effect of solvent and ionomer on agglomeration in fuel cell catalyst inks: Simulation by the Discrete Element Method. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 28984-28995.	7.1	43
14	Simulation of carbon black aggregate and evaluation of ionomer structure on carbon in catalyst layer of polymer electrolyte fuel cell. <i>Journal of Power Sources</i> , 2019, 439, 227060.	7.8	41
15	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
16	Carbon-supported Pd-Ag catalysts with silica-coating layers as active and durable cathode catalysts for polymer electrolyte fuel cells. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 18951-18958.	7.1	13
17	Carbon nanofiber supports for the preparation of Pt-based metal nanoparticles with high tolerance to sintering. <i>Applied Catalysis A: General</i> , 2013, 450, 211-221.	4.3	5
18	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