

Satoshi Sakaida

List of Publications by Year in descending order

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9
papers

69
citations

1937685

4
h-index

1872680

6
g-index

9
all docs

9
docs citations

9
times ranked

80
citing authors

#	ARTICLE	IF	CITATIONS
1	Large scale simulation of liquid water transport in a gas diffusion layer of polymer electrolyte membrane fuel cells using the lattice Boltzmann method. <i>Journal of Power Sources</i> , 2017, 361, 133-143.	7.8	40
2	Analysis of Water Transport in Anisotropic Gas Diffusion Layers for Improved Flooding Performance of PEFC. <i>Journal of the Electrochemical Society</i> , 2019, 166, F627-F636.	2.9	9
3	Potential of hydrolyzed oxymethylene dimethyl ether for the suppression of fuel crossover in polymer electrolyte fuel cells. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 10892-10902.	7.1	6
4	Study on water transport in hydrophilic gas diffusion layers for improving the flooding performance of polymer electrolyte fuel cells. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 7464-7474.	7.1	5
5	Improvement of polymer electrolyte fuel cell performance by gas diffusion layer with relatively hydrophilic surface. <i>Journal of Power Sources</i> , 2022, 518, 230730.	7.8	5
6	Scale model experiments for evaluation of liquid water transport in the gas diffusion layer of PEFCs. <i>Journal of Thermal Science and Technology</i> , 2018, 13, JTST0025-JTST0025.	1.1	4
7	Estimation of bulk modulus of DME on the basis of the sound speed measurement in a wide range of pressures and temperatures including the critical point. <i>Transactions of the JSME (in Japanese)</i> , 2018, 84, 18-00166-18-00166.	0.2	0
8	Study on wettability effect in water transport in gas diffusion layer of PEFC by scale model experiment and LBM simulation. <i>The Proceedings of the Symposium on Micro-Nano Science and Technology</i> , 2018, 2018.9, 31am3PN85.	0.0	0
9	Spray characteristics of supercritical DME. <i>Transactions of the JSME (in Japanese)</i> , 2020, 86, 19-00050-19-00050.	0.2	0