

Rui Liu

List of Publications by Year in descending order

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9
papers

65
citations

1684188
5
h-index

1588992
8
g-index

9
all docs

9
docs citations

9
times ranked

33
citing authors

#	ARTICLE	IF	CITATIONS
1	Microscopic study of ion transport in the porous electrode of a desalination battery based on the lattice Boltzmann method. <i>New Journal of Chemistry</i> , 2022, 46, 1516-1532.	2.8	1
2	Pore-scale study of ion transport and intercalation processes of capacitive deionization cells with intercalation electrodes based on lattice Boltzmann method. <i>Desalination</i> , 2022, 532, 115718.	8.2	10
3	Study on Ion Transport Mechanism of Zinc-Nickel Single-Flow Battery with Different Porous Electrode Structures based on Lattice Boltzmann Method. <i>Journal of the Electrochemical Society</i> , 2022, 169, 050518.	2.9	2
4	Three-dimensional lattice Boltzmann simulation of reactive transport and ion adsorption processes in battery electrodes of cation intercalation desalination cells. <i>Separation and Purification Technology</i> , 2022, 298, 121626.	7.9	6
5	Effects of different concentrations of Al ₂ O ₃ nanoparticles and base fluid types on pool boiling heat transfer in copper foam with bottom condensed reflux. <i>International Journal of Thermal Sciences</i> , 2021, 163, 106833.	4.9	9
6	Pore-scale study of capacitive charging and desalination process in porous electrodes and effects of porous structures. <i>Journal of Molecular Liquids</i> , 2021, 332, 115863.	4.9	8
7	Transient simulation of porous cathodes of zinc-nickel single-flow batteries based on lattice Boltzmann method. <i>Journal of Energy Storage</i> , 2020, 32, 101937.	8.1	5
8	Pore-scale investigation on ion transport and transfer resistance in charged porous media with micro-macro structure. <i>Journal of Molecular Liquids</i> , 2020, 320, 114481.	4.9	3
9	Pore-scale study of dynamic ion adsorption process in porous electrodes of capacitive deionization using lattice Boltzmann method. <i>International Journal of Heat and Mass Transfer</i> , 2019, 135, 769-781.	4.8	21