Rui Liu

List of Publications by Year
in descending order

9	65	1684188 5	1588992 8
papers	citations	h-index	g-index

9	9	9	33
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Pore-scale study of dynamic ion adsorption process in porous electrodes of capacitive deionization using lattice Boltzmann method. International Journal of Heat and Mass Transfer, 2019, 135, 769-781.	4.8	21
2	Pore-scale study of ion transport and intercalation processes of capacitive deionization cells with intercalation electrodes based on lattice Boltzmann method. Desalination, 2022, 532, 115718.	8.2	10
3	Effects of different concentrations of Al2O3 nanoparticles and base fluid types on pool boiling heat transfer in copper foam with bottom condensed reflux. International Journal of Thermal Sciences, 2021, 163, 106833.	4.9	9
4	Pore-scale study of capacitive charging and desalination process in porous electrodes and effects of porous structures. Journal of Molecular Liquids, 2021, 332, 115863.	4.9	8
5	Three-dimensional lattice Boltzmann simulation of reactive transport and ion adsorption processes in battery electrodes of cation intercalation desalination cells. Separation and Purification Technology, 2022, 298, 121626.	7.9	6
6	Transient simulation of porous cathodes of zinc-nickel single-flow batteries based on lattice Boltzmann method. Journal of Energy Storage, 2020, 32, 101937.	8.1	5
7	Pore-scale investigation on ion transport and transfer resistance in charged porous media with micro-macro structure. Journal of Molecular Liquids, 2020, 320, 114481.	4.9	3
8	Study on Ion Transport Mechanism of Zinc-Nickel Single-Flow Battery with Different Porous Electrode Structures based on Lattice Boltzmann Method. Journal of the Electrochemical Society, 2022, 169, 050518.	2.9	2
9	Microscopic study of ion transport in the porous electrode of a desalination battery based on the lattice Boltzmann method. New Journal of Chemistry, 2022, 46, 1516-1532.	2.8	1