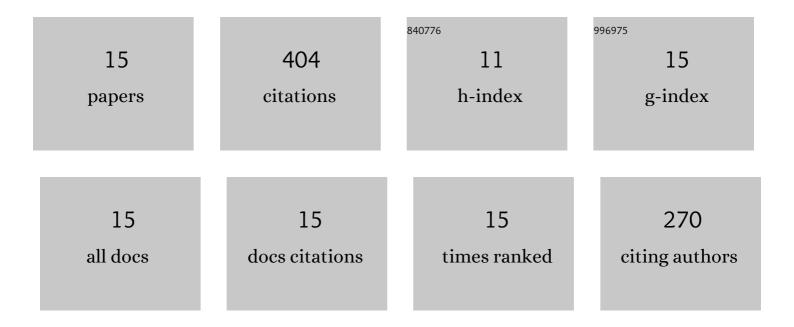
Yaohua Zhao

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/9859913/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Experimental study on heat dissipation for lithium-ion battery based on micro heat pipe array (MHPA). Applied Thermal Engineering, 2018, 130, 74-82.	6.0	88
2	Active air cooling thermal management system based on U-shaped micro heat pipe array for lithium-ion battery. Journal of Power Sources, 2021, 507, 230314.	7.8	57
3	Inclined U-shaped flat microheat pipe array configuration for cooling and heating lithium-ion battery modules in electric vehicles. Energy, 2021, 235, 121433.	8.8	50
4	Performance evaluation of a novel flat-plate solar air collector with micro-heat pipe arrays (MHPA). Applied Thermal Engineering, 2017, 118, 1-16.	6.0	32
5	Experimental investigation of an integrated collector–storage solar air heater based on the lap joint-type flat micro-heat pipe arrays. Energy, 2018, 160, 924-939.	8.8	26
6	A comparative experimental investigation on thermal performance for two types of vacuum tube solar air collectors based on flat micro-heat pipe arrays (FMHPA). Solar Energy, 2020, 201, 508-522.	6.1	25
7	Experimental study on preheating thermal management system for lithium-ion battery based on U-shaped micro heat pipe array. Energy, 2022, 253, 124178.	8.8	24
8	Experimental investigation of a novel thermal storage solar air heater (TSSAH) based on flat micro-heat pipe arrays. Renewable Energy, 2021, 173, 639-651.	8.9	22
9	Optimum cooling surface for prismatic lithium battery with metal shell based on anisotropic thermal conductivity and dimensions. Journal of Power Sources, 2021, 506, 230182.	7.8	16
10	Experimental study on axial wall heat conduction for convective heat transfer in stainless steel microtube. Heat and Mass Transfer, 2007, 43, 587-594.	2.1	15
11	Effects of various inlet/outlet positions and header forms on flow distribution and thermal performance in microchannel heat sink. Microsystem Technologies, 2018, 24, 2485-2497.	2.0	12
12	Thermal Performance and Energy Saving Analysis of Indoor Air–Water Heat Exchanger Based on Micro Heat Pipe Array for Data Center. Energies, 2020, 13, 393.	3.1	12
13	Visualization of Bubble Dynamics for Pool Boiling of Binary Refrigerant Mixture R11-R113. Chinese Journal of Chemical Engineering, 2006, 14, 149-157.	3.5	11
14	Multi-objective optimization of double-layered microchannel heat sink based on derivative-free algorithm. Numerical Heat Transfer; Part A: Applications, 2018, 73, 535-552.	2.1	7
15	Performance simulation and optimization of new radiant floor heating based on micro heat pipe array. Building Simulation, 2022, 15, 1295-1308.	5.6	7