

# Yaohua Zhao

## List of Publications by Year in descending order

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840776

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docs citations

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#	ARTICLE	IF	CITATIONS
1	Experimental study on heat dissipation for lithium-ion battery based on micro heat pipe array (MHPA). <i>Applied Thermal Engineering</i> , 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. <i>Journal of Power Sources</i> , 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. <i>Energy</i> , 2021, 235, 121433.	8.8	50
4	Performance evaluation of a novel flat-plate solar air collector with micro-heat pipe arrays (MHPA). <i>Applied Thermal Engineering</i> , 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. <i>Energy</i> , 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). <i>Solar Energy</i> , 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. <i>Energy</i> , 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. <i>Renewable Energy</i> , 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. <i>Journal of Power Sources</i> , 2021, 506, 230182.	7.8	16
10	Experimental study on axial wall heat conduction for convective heat transfer in stainless steel microtube. <i>Heat and Mass Transfer</i> , 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. <i>Microsystem Technologies</i> , 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. <i>Energies</i> , 2020, 13, 393.	3.1	12
13	Visualization of Bubble Dynamics for Pool Boiling of Binary Refrigerant Mixture R11-R113. <i>Chinese Journal of Chemical Engineering</i> , 2006, 14, 149-157.	3.5	11
14	Multi-objective optimization of double-layered microchannel heat sink based on derivative-free algorithm. <i>Numerical Heat Transfer; Part A: Applications</i> , 2018, 73, 535-552.	2.1	7
15	Performance simulation and optimization of new radiant floor heating based on micro heat pipe array. <i>Building Simulation</i> , 2022, 15, 1295-1308.	5.6	7