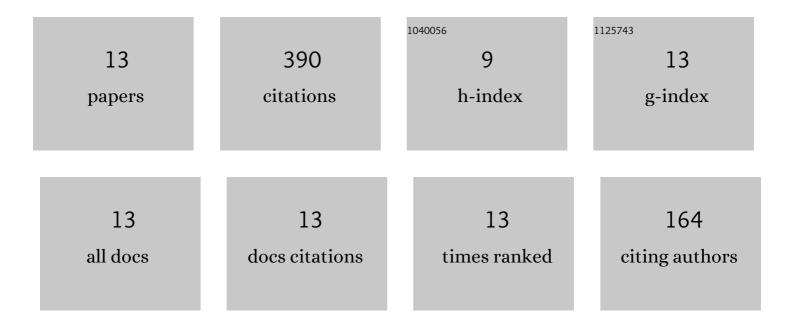
Zhenfei Feng

List of Publications by Year in descending order

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ZHENEEL FENC

#	Article	IF	CITATIONS
1	Numerical investigation on laminar flow and heat transfer in rectangular microchannel heat sink with wire coil inserts. Applied Thermal Engineering, 2017, 116, 597-609.	6.0	74
2	Experimental investigation of laminar flow and heat transfer characteristics in square minichannels with twisted tapes. International Journal of Heat and Mass Transfer, 2020, 158, 119947.	4.8	47
3	Effects of geometric parameters of circular pin-fins on fluid flow and heat transfer in an interrupted microchannel heat sink. International Journal of Thermal Sciences, 2021, 165, 106956.	4.9	46
4	Effects of electric field on flow boiling heat transfer in a vertical minichannel heat sink. International Journal of Heat and Mass Transfer, 2018, 124, 726-741.	4.8	39
5	Preparation of sugarcane bagasse succinate/alginate porous gel beads via a self-assembly strategy: Improving the structural stability and adsorption efficiency for heavy metal ions. Bioresource Technology, 2020, 306, 123128.	9.6	39
6	Fast-thermoresponsive carboxylated carbon nanotube/chitosan aerogels with switchable wettability for oil/water separation. Journal of Hazardous Materials, 2022, 433, 128808.	12.4	39
7	Effects of truncated and offset pin-fins on hydrothermal performance and entropy generation in a rectangular microchannel heat sink with variable fluid properties. International Communications in Heat and Mass Transfer, 2021, 124, 105258.	5.6	35
8	Effects of regular triangular prisms on thermal and hydraulic characteristics in a minichannel heat sink. International Journal of Heat and Mass Transfer, 2022, 188, 122583.	4.8	25
9	Numerical investigation on thermal–hydraulic characteristics in a mini-channel with trapezoidal cross-section longitudinal vortex generators. Applied Thermal Engineering, 2022, 205, 118004.	6.0	15
10	A stepwise processing strategy for treating highly acidic wastewater and comprehensive utilization of the products derived from different treating steps. Chemosphere, 2021, 280, 130646.	8.2	10
11	Enhanced Thermal Stability and Flame Retardancy of Poly(Vinyl Chloride) Based Composites by Magnesium Borate Hydrate-Mechanically Activated Lignin. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 3842-3856.	3.7	8
12	Numerical investigation on hydraulic and thermal performances of a mini-channel heat sink with twisted ribs. International Journal of Thermal Sciences, 2022, 179, 107718.	4.9	8
13	Effects of longitudinal vortex generator pairs in transverse microchambers on thermal–hydraulic performances and entropy generation in an interrupted microchannel heat sink. Journal of Thermal Analysis and Calorimetry, 2022, 147, 8551-8567.	3.6	5