

# Hongbin Yan

## List of Publications by Year in descending order

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24  
papers

661  
citations

567281

15  
h-index

642732

23  
g-index

24  
all docs

24  
docs citations

24  
times ranked

363  
citing authors

#	ARTICLE	IF	CITATIONS
1	Flow and thermal performance of sandwich panels with plate fins or/and pyramidal lattice. Applied Thermal Engineering, 2020, 164, 114468.	6.0	19
2	An X-lattice cored rectangular honeycomb with enhanced convective heat transfer performance. Applied Thermal Engineering, 2020, 166, 114687.	6.0	22
3	Enhanced heat transfer in a pyramidal lattice sandwich panel by introducing pin-fins/protrusions/dimples. International Journal of Thermal Sciences, 2020, 156, 106468.	4.9	15
4	Heat transfer enhancement of rotating wedge-shaped channels with pin fins and Kagome lattices. Numerical Heat Transfer; Part A: Applications, 2020, 77, 1014-1033.	2.1	7
5	Heat transfer enhancement of X-lattice-cored sandwich panels by introducing pin fins, dimples or protrusions. International Journal of Heat and Mass Transfer, 2019, 141, 627-642.	4.8	12
6	Heat transfer enhancement of wedge-shaped channels by replacing pin fins with Kagome lattice structures. International Journal of Heat and Mass Transfer, 2019, 141, 88-101.	4.8	45
7	The influences of sidewall proximity on flow and thermal performance of a microchannel with large-row pin-fins. International Journal of Thermal Sciences, 2019, 140, 8-19.	4.9	23
8	A numerical prediction on heat transfer characteristics from a circular tube in supercritical fluid crossflow. Applied Thermal Engineering, 2019, 153, 692-703.	6.0	10
9	Comparative study of flow structures and heat transfer enhancement in a metallic lattice fabricated by metal sheet folding: Effects of punching location shift. International Journal of Heat and Mass Transfer, 2019, 134, 209-225.	4.8	12
10	Role of vane configuration on the heat dissipation performance of ventilated brake discs. Applied Thermal Engineering, 2018, 136, 118-130.	6.0	16
11	Experimental Study of Convective Heat Transfer in Standard and Cross-Drilled Brake Discs With Radial Vane and X-Lattice Cores. , 2018, , .		1
12	The effects of geometrical topology on fluid flow and thermal performance in Kagome cored sandwich panels. Applied Thermal Engineering, 2018, 142, 79-88.	6.0	39
13	Numerical Simulation of Nanofluid Suspensions in a Geothermal Heat Exchanger. Energies, 2018, 11, 919.	3.1	25
14	Comparative evaluations of thermofluidic characteristics of sandwich panels with X-lattice and Pyramidal-lattice cores. International Journal of Heat and Mass Transfer, 2018, 127, 268-282.	4.8	35
15	Experimental and numerical study of turbulent flow and enhanced heat transfer by cross-drilled holes in a pin-finned brake disc. International Journal of Thermal Sciences, 2017, 118, 355-366.	4.9	11
16	Forced convection and heat transfer of water-cooled microchannel heat sinks with various structured metal foams. International Journal of Heat and Mass Transfer, 2017, 113, 1043-1053.	4.8	68
17	Convective heat transfer in a lightweight multifunctional sandwich panel with X-type metallic lattice core. Applied Thermal Engineering, 2017, 127, 1293-1304.	6.0	58
18	Heat Transfer and Flow of Nanofluids in a Y-Type Intersection Channel with Multiple Pulsations: A Numerical Study. Energies, 2017, 10, 492.	3.1	9

#	ARTICLE	IF	CITATIONS
19	Thermo-Fluidic Comparison between Sandwich Panels with Tetrahedral Lattice Cores Fabricated by Casting and Metal Sheet Folding. <i>Energies</i> , 2017, 10, 906.	3.1	26
20	Effects of Anisotropic Thermal Conductivity and Lorentz Force on the Flow and Heat Transfer of a Ferro-Nanofluid in a Magnetic Field. <i>Energies</i> , 2017, 10, 1065.	3.1	13
21	Heat transfer enhancement by X-type lattice in ventilated brake disc. <i>International Journal of Thermal Sciences</i> , 2016, 107, 39-55.	4.9	46
22	Role of cross-drilled holes in enhanced cooling of ventilated brake discs. <i>Applied Thermal Engineering</i> , 2015, 91, 318-333.	6.0	35
23	An X-type lattice cored ventilated brake disc with enhanced cooling performance. <i>International Journal of Heat and Mass Transfer</i> , 2015, 80, 458-468.	4.8	39
24	A lightweight X-type metallic lattice in single-phase forced convection. <i>International Journal of Heat and Mass Transfer</i> , 2015, 83, 273-283.	4.8	75