Lei Luo

List of Publications by Year
in descending order

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26	263	1040056	996975
papers	citations	9 h-index	15 g-index

26	26	26	104
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of the dimple location and rotating number on the heat transfer and flow structure in a pin finned channel. International Journal of Heat and Mass Transfer, 2018, 127, 111-129.	4.8	43
2	Flow structure and heat transfer characteristics in a 90-deg turned pin fined duct with different dimple/protrusion depths. Applied Thermal Engineering, 2019, 146, 826-842.	6.0	32
3	Heat transfer and friction factor performance in a pin fin wedge duct with different dimple arrangements. Numerical Heat Transfer; Part A: Applications, 2016, 69, 209-226.	2.1	31
4	Heat transfer and flow structure in a rotating duct with detached pin fins. Numerical Heat Transfer; Part A: Applications, 2019, 75, 217-241.	2.1	18
5	On heat transfer and flow characteristics of jets impinging onto a concave surface with varying jet arrangements. Journal of Thermal Analysis and Calorimetry, 2020, 141, 57-68.	3.6	18
6	COMPUTATIONAL INVESTIGATION OF DIMPLE EFFECTS ON HEAT TRANSFER AND FRICTION FACTOR IN A LAMILLOY COOLING STRUCTURE. Journal of Enhanced Heat Transfer, 2015, 22, 147-175.	1.1	18
7	OPTIMIZATION OF THE BLADE PROFILE AND COOLING STRUCTURE IN A GAS TURBINE STAGE CONSIDERING BOTH THE AERODYNAMICS AND HEAT TRANSFER. Heat Transfer Research, 2015, 46, 599-629.	1.6	15
8	Convergence angle and dimple shape effects on the heat transfer characteristics in a rotating dimple-pin fin wedge duct. Numerical Heat Transfer; Part A: Applications, 2018, 74, 1611-1635.	2.1	12
9	Endwall heat transfer and aerodynamic performance of bowed outlet guide vanes (OGVs) with on- and off-design conditions. Numerical Heat Transfer; Part A: Applications, 2016, 69, 352-368.	2.1	9
10	Heat Transfer Characteristics in a Pin Finned Channel With Different Dimple Locations. Heat Transfer Engineering, 2020, 41, 1232-1251.	1.9	9
11	Surface temperature reduction by using dimples/protrusions in a realistic turbine blade trailing edge. Numerical Heat Transfer; Part A: Applications, 2018, 74, 1265-1283.	2.1	7
12	Effect of the Broken Rib Locations on the Heat Transfer and Fluid Flow in a Rotating Latticework Duct. Journal of Heat Transfer, 2019, 141, .	2.1	7
13	Heat transfer characteristics of a dimpled/protrusioned pin fin wedge duct with different converging angles for turbine blades. Numerical Heat Transfer; Part A: Applications, 2019, 76, 369-392.	2.1	6
14	Heat Transfer and Flow Structure in a Latticework Duct With Different Sidewalls. Journal of Heat Transfer, 2019, 141, .	2.1	6
15	A high temperature turbine blade heat transfer multilevel design platform. Numerical Heat Transfer; Part A: Applications, 2021, 79, 122-145.	2.1	5
16	Direct and Inverse Model for Single-Hole Film Cooling With Machine Learning. Journal of Turbomachinery, 2022, 144, .	1.7	5
17	Infrared Drying Characteristics and Quality Variations of Lily Bulbs Under Blanching Pretreatment. Journal of Thermal Science and Engineering Applications, 2022, 14, .	1.5	4
18	Heat Transfer Characteristics in a Rotating Pin Finned Duct With Different Protrusion Locations. Journal of Thermal Science and Engineering Applications, 2019, 11, 061009.	1.5	3

#	Article	IF	Citations
19	Analysis of heat transfer and fluid flow of a slot jet impinging on a confined concave surface with various curvature and small jet to target spacing. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 2885-2910.	2.8	3
20	Investigation of the Vortex Dynamic Mechanism of the Flow Losses on a Transonic Compressor Stator. Journal of Thermal Science, 2019, 28, 51-60.	1.9	3
21	The compound bowing design in a highly loaded linear cascade with large turning angle. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2020, 234, 2323-2336.	1.3	3
22	Design Methods and Strategies for Forward and Inverse Problems of Turbine Blades Based on Machine Learning. Journal of Thermal Science, 2022, 31, 82-95.	1.9	3
23	Parametric influence on convective heat transfer for an outlet guide vane. Numerical Heat Transfer; Part A: Applications, 2016, 70, 331-346.	2.1	1
24	Cooling structure design of gas turbine blade by using multi-level highly efficient design platform. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2021, 235, 600-618.	1.3	1
25	Vortical structures and heat transfer augmentation of a cooling channel in a gas turbine blade with various arrangements of tip bleed holes. Numerical Heat Transfer; Part A: Applications, 2021, 79, 40-67.	2.1	1
26	Aerodynamic Comparison between Increasing Cascade Pitch and Turning Angle in the Highly-Loaded Design. Journal of Thermal Science, 0, , .	1.9	0