

Lei Xi

List of Publications by Year in descending order

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16
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1040056

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62
citing authors

#	ARTICLE	IF	CITATIONS
1	Study on heat transfer performance of steam-cooled ribbed channel using neural networks and genetic algorithms. <i>International Journal of Heat and Mass Transfer</i> , 2018, 127, 1110-1123.	4.8	29
2	Flow and heat transfer characteristics of a swirling impinging jet issuing from a threaded nozzle. <i>Case Studies in Thermal Engineering</i> , 2021, 25, 100970.	5.7	15
3	Numerical Simulation of Swirling Impinging Jet Issuing from a Threaded Hole under Inclined Condition. <i>Entropy</i> , 2020, 22, 15.	2.2	13
4	Cooling performance analysis and structural parameter optimization of X-type truss array channel based on neural networks and genetic algorithm. <i>International Journal of Heat and Mass Transfer</i> , 2022, 186, 122452.	4.8	13
5	Optimization Design of Lattice Structures in Internal Cooling Channel with Variable Aspect Ratio of Gas Turbine Blade. <i>Energies</i> , 2021, 14, 3954.	3.1	12
6	Numerical analysis and optimization on flow and heat transfer performance of a steam-cooled ribbed channel. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101442.	5.7	12
7	Numerical prediction of heat loss from a test ribbed rectangular channel using the conjugate calculations. <i>International Communications in Heat and Mass Transfer</i> , 2018, 96, 98-108.	5.6	11
8	Flow and heat transfer characteristics of a staggered array of Kagome lattice structures in rectangular channels. <i>Heat and Mass Transfer</i> , 2022, 58, 41-64.	2.1	10
9	Study on flow and heat transfer performance of X-type truss array cooling channel. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 101034.	5.7	10
10	Optimization Design of Lattice Structures in Internal Cooling Channel of Turbine Blade. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5838.	2.5	5
11	Heat transfer characteristics of single row of jets issuing from screw-thread nozzles impinging on a concave surface. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101590.	5.7	5
12	Numerical Investigation and Parameter Sensitivity Analysis on Flow and Heat Transfer Performance of Jet Array Impingement Cooling in a Quasi-Leading-Edge Channel. <i>Aerospace</i> , 2022, 9, 87.	2.2	5
13	Multi-Objective Optimization of Parameters of Channels with Staggered Frustum of a Cone Based on Response Surface Methodology. <i>Energies</i> , 2022, 15, 1240.	3.1	5
14	Large-Eddy Simulation Study of Flow and Heat Transfer in Swirling and Non-Swirling Impinging Jets on a Semi-Cylinder Concave Target. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7167.	2.5	4
15	Flow and Heat Transfer Characteristics of a Swirling Impinging Jet Issuing from a Threaded Nozzle of 45 Degrees. <i>Energies</i> , 2021, 14, 8412.	3.1	3
16	Study on Conjugate Thermal Performance of a Steam-Cooled Ribbed Channel with Thick Metallic Walls. , 2021, , .		1