

Li Yang

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

510
citations

687363

13
h-index

677142

22
g-index

34
all docs

34
docs citations

34
times ranked

227
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental and numerical investigation of unsteady impingement cooling within a blade leading edge passage. <i>International Journal of Heat and Mass Transfer</i> , 2014, 71, 57-68.	4.8	65
2	Transpiration cooling for additive manufactured porous plates with partition walls. <i>International Journal of Heat and Mass Transfer</i> , 2018, 124, 1076-1087.	4.8	62
3	Experimental Investigation on Additively Manufactured Transpiration and Film Cooling Structures. <i>Journal of Turbomachinery</i> , 2019, 141, .	1.7	47
4	Optimization of the hole distribution of an effusively cooled surface facing non-uniform incoming temperature using deep learning approaches. <i>International Journal of Heat and Mass Transfer</i> , 2019, 145, 118749.	4.8	44
5	Numerical investigation on heat transfer and pressure drop of pin-fin array under the influence of rib turbulators induced vortices. <i>International Journal of Heat and Mass Transfer</i> , 2019, 129, 735-745.	4.8	30
6	A convolution modeling method for pore plugging impact on transpiration cooling configurations perforated by straight holes. <i>International Journal of Heat and Mass Transfer</i> , 2018, 126, 1057-1066.	4.8	26
7	Effect of thermal boundary conditions and thermal conductivity on conjugate heat transfer performance in pin fin arrays. <i>International Journal of Heat and Mass Transfer</i> , 2016, 95, 579-592.	4.8	23
8	Searching for irregular pin-fin shapes for high temperature applications using deep learning methods. <i>International Journal of Thermal Sciences</i> , 2021, 161, 106746.	4.9	22
9	Effect of Reynolds Number, Hole Patterns, and Hole Inclination on Cooling Performance of an Impinging Jet Array—Part I: Convective Heat Transfer Results and Optimization. <i>Journal of Turbomachinery</i> , 2017, 139, .	1.7	20
10	Numerical investigation of heat transfer and flow characteristics of supercritical CO ₂ in U-duct. <i>Applied Thermal Engineering</i> , 2018, 144, 532-539.	6.0	19
11	Unsteady heat transfer and flow structure of a row of laminar impingement jets, including vortex development. <i>International Journal of Heat and Mass Transfer</i> , 2015, 88, 149-164.	4.8	16
12	Establishment of a long-short-term-memory model to predict film cooling effectiveness under superposition conditions. <i>International Journal of Heat and Mass Transfer</i> , 2020, 160, 120231.	4.8	16
13	A machine learning approach to quantify the film cooling superposition effect for effusion cooling structures. <i>International Journal of Thermal Sciences</i> , 2021, 162, 106774.	4.9	15
14	High resolution cooling effectiveness reconstruction of transpiration cooling using convolution modeling method. <i>International Journal of Heat and Mass Transfer</i> , 2019, 133, 1134-1144.	4.8	14
15	Fast prediction and sensitivity analysis of gas turbine cooling performance using supervised learning approaches. <i>Energy</i> , 2022, 246, 123373.	8.8	14
16	Unsteady Structure and Development of a Row of Impingement Jets, Including Kelvin—Helmholtz Vortex Development. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2015, 137, .	1.5	12
17	Effect of Reynolds Number, Hole Patterns, and Target Plate Thickness on the Cooling Performance of an Impinging Jet Array—Part II: Conjugate Heat Transfer Results and Optimization. <i>Journal of Turbomachinery</i> , 2017, 139, .	1.7	11
18	Fabrication and Characterization of Additive Manufactured Nickel-Based Oxide Dispersion Strengthened Coating Layer for High-Temperature Application. <i>Journal of Engineering for Gas Turbines and Power</i> , 2018, 140, .	1.1	8

#	ARTICLE	IF	CITATIONS
19	Experimental Investigation of Rotational Effects on Heat Transfer Enhancement Due to Crossflow-Induced Swirl Using Transient Liquid Crystal Thermography. <i>Journal of Thermal Science and Engineering Applications</i> , 2018, 10, .	1.5	7
20	Comparison between conventional and deep learning-based surrogate models in predicting convective heat transfer performance of U-bend channels. <i>Energy and AI</i> , 2022, 8, 100140.	10.6	7
21	Influence of Rotation on Heat Transfer in a Two-Pass Channel With Impingement Under High Reynolds Number. , 2015, , .		5
22	Numerical optimizations of hybrid-linked jet impingement heat transfer based on the genetic algorithm. <i>Numerical Heat Transfer; Part A: Applications</i> , 2016, 70, 1179-1194.	2.1	4
23	Effect of topology on hybrid-linked jet impingement. <i>International Journal of Heat and Mass Transfer</i> , 2017, 108, 671-679.	4.8	4
24	Algebraic Anisotropic Eddy Viscosity Model for Separated Flows of Internal Cooling Channels. , 2014, , .		3
25	Effect of Reynolds Number, Hole Patterns, Target Plate Thickness on Cooling Performance of an Impinging Jet Array: Part II " Conjugate Heat Transfer Results and Optimization. , 2016, , .		3
26	Numerical investigation on hybrid-linked jet impingement heat transfer based on the response surface methodology. <i>Numerical Heat Transfer; Part A: Applications</i> , 2016, 70, 1297-1312.	2.1	3
27	Experimental Investigation on Additively Manufactured Transpiration and Film Cooling Structures. , 2018, , .		3
28	Effect of Film Cooling Arrangement on Impingement Heat Transfer on Turbine Blade Leading Edge. , 2013, , .		2
29	Experimental and Numerical Analysis of Additively Manufactured Coupons With Parallel Channels and Inline Wall Jets. , 2018, , .		2
30	Effect of Corrugated Orifice and Pin-Fin on Multiple Array Impingement Cooling With Low Nozzle to Target Distance. , 2014, , .		1
31	Effect of Reynolds Number, Hole Patterns and Hole Inclination on Cooling Performance of an Impinging Jet Array: Part I " Convective Heat Transfer Results and Optimization. , 2016, , .		1
32	Influence of Topology on Heat Transfer in a Double Wall Cooling Channel: Potential of Series-Linked Jets. , 2016, , .		1
33	Optimization of Hybrid-Linked Jet Impingement Cooling Channels Based on Response Surface Methodology and Genetic Algorithm. , 2017, , .		0
34	Fabrication and Characterization of Additive Manufactured Nickel-Based ODS Coating Layer for High Temperature Application. , 2017, , .		0