

Gongnan Xie

List of Publications by Citations

Source: <https://exaly.com/author-pdf/7682646/gongnan-xie-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

246
papers

4,089
citations

35
h-index

51
g-index

273
ext. papers

5,141
ext. citations

3.4
avg, IF

6.27
L-index

#	Paper	IF	Citations
246	Optimization of compact heat exchangers by a genetic algorithm. <i>Applied Thermal Engineering</i> , 2008 , 28, 895-906	5.8	170
245	A review of heat transfer and pressure drop characteristics of single and two-phase microchannels. <i>International Journal of Heat and Mass Transfer</i> , 2014 , 79, 34-53	4.9	123
244	Parametric study and multiple correlations on air-side heat transfer and friction characteristics of fin-and-tube heat exchangers with large number of large-diameter tube rows. <i>Applied Thermal Engineering</i> , 2009 , 29, 1-16	5.8	109
243	Heat transfer analysis for shell-and-tube heat exchangers with experimental data by artificial neural networks approach. <i>Applied Thermal Engineering</i> , 2007 , 27, 1096-1104	5.8	109
242	Constructal design and thermal analysis of microchannel heat sinks with multistage bifurcations in single-phase liquid flow. <i>Applied Thermal Engineering</i> , 2014 , 62, 791-802	5.8	103
241	Parametric study on thermal performance of microchannel heat sinks with internal vertical Y-shaped bifurcations. <i>International Journal of Heat and Mass Transfer</i> , 2015 , 90, 948-958	4.9	76
240	Numerical Predictions of the Flow and Thermal Performance of Water-Cooled Single-Layer and Double-Layer Wavy Microchannel Heat Sinks. <i>Numerical Heat Transfer; Part A: Applications</i> , 2013 , 63, 201-225	2.3	76
239	Laminar thermal performance of microchannel heat sinks with constructal vertical Y-shaped bifurcation plates. <i>Applied Thermal Engineering</i> , 2014 , 73, 185-195	5.8	69
238	Gas Turbine Blade Tip Heat Transfer and Cooling: A Literature Survey. <i>Heat Transfer Engineering</i> , 2010 , 31, 527-554	1.7	68
237	Optimization of Pin-Fins for a Heat Exchanger by Entropy Generation Minimization and Constructal Law. <i>Journal of Heat Transfer</i> , 2015 , 137,	1.8	67
236	Economic optimization design of shell-and-tube heat exchangers by a cuckoo-search-algorithm. <i>Applied Thermal Engineering</i> , 2014 , 73, 1032-1040	5.8	62
235	Comparative Study of Thermal Performance of Longitudinal and Transversal-Wavy Microchannel Heat Sinks for Electronic Cooling. <i>Journal of Electronic Packaging, Transactions of the ASME</i> , 2013 , 135,	2	62
234	Turbulent flow and heat transfer enhancement in rectangular channels with novel cylindrical grooves. <i>International Journal of Heat and Mass Transfer</i> , 2015 , 81, 563-577	4.9	57
233	Comparative Study of the Flow and Thermal Performance of Liquid-Cooling Parallel-Flow and Counter-Flow Double-Layer Wavy Microchannel Heat Sinks. <i>Numerical Heat Transfer; Part A: Applications</i> , 2013 , 64, 30-55	2.3	57
232	Numerical analysis of flow structure and heat transfer characteristics in square channels with different internal-protruded dimple geometrics. <i>International Journal of Heat and Mass Transfer</i> , 2013 , 67, 81-97	4.9	56
231	Thermomechanical optimization of lightweight thermal protection system under aerodynamic heating. <i>Applied Thermal Engineering</i> , 2013 , 59, 425-434	5.8	56
230	Forced convection and heat transfer of water-cooled microchannel heat sinks with various structured metal foams. <i>International Journal of Heat and Mass Transfer</i> , 2017 , 113, 1043-1053	4.9	55

229	Nano-enhanced phase change materials and fluids in energy applications: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 129, 109931	16.2	50
228	Performance predictions of laminar and turbulent heat transfer and fluid flow of heat exchangers having large tube-diameter and large tube-row by artificial neural networks. <i>International Journal of Heat and Mass Transfer</i> , 2009 , 52, 2484-2497	4.9	50
227	Computational Study and Optimization of Laminar Heat Transfer and Pressure Loss of Double-Layer Microchannels for Chip Liquid Cooling. <i>Journal of Thermal Science and Engineering Applications</i> , 2013 , 5,	1.9	49
226	Comparative study for convective heat transfer of counter-flow wavy double-layer microchannel heat sinks in staggered arrangement. <i>Applied Thermal Engineering</i> , 2018 , 137, 228-237	5.8	47
225	Numerical predictions of augmented heat transfer of an internal blade tip-wall by hemispherical dimples. <i>International Journal of Heat and Mass Transfer</i> , 2010 , 53, 5639-5650	4.9	47
224	Computational optimization of counter-flow double-layered microchannel heat sinks subjected to thermal resistance and pumping power. <i>Applied Thermal Engineering</i> , 2017 , 121, 180-189	5.8	46
223	Numerical modeling flow and heat transfer in dimpled cooling channels with secondary hemispherical protrusions. <i>Energy</i> , 2015 , 79, 1-19	7.9	44
222	Constructal wavy-fin channels of a compact heat exchanger with heat transfer rate maximization and pressure losses minimization. <i>Applied Thermal Engineering</i> , 2015 , 75, 24-32	5.8	44
221	Heat transfer enhancement and turbulent flow in a high aspect ratio channel (4:1) with ribs of various truncation types and arrangements. <i>International Journal of Thermal Sciences</i> , 2018 , 123, 99-116	4.1	44
220	A parametric study on thermal performance of microchannel heat sinks with internally vertical bifurcations in laminar liquid flow. <i>International Journal of Heat and Mass Transfer</i> , 2018 , 117, 487-497	4.9	43
219	Flow structure and heat transfer of non-Newtonian fluids in microchannel heat sinks with dimples and protrusions. <i>Applied Thermal Engineering</i> , 2016 , 94, 50-58	5.8	42
218	Comparisons of Pins/Dimples/Protrusions Cooling Concepts for a Turbine Blade Tip-Wall at High Reynolds Numbers. <i>Journal of Heat Transfer</i> , 2011 , 133,	1.8	41
217	Investigation on thermal performance of high temperature multilayer insulations for hypersonic vehicles under aerodynamic heating condition. <i>Applied Thermal Engineering</i> , 2014 , 70, 957-965	5.8	40
216	Analysis of micro-channel heat sinks with rectangular-shaped flow obstructions. <i>Numerical Heat Transfer; Part A: Applications</i> , 2016 , 69, 335-351	2.3	39
215	A numerical study of flow structure and heat transfer in a square channel with ribs combined downstream half-size or same-size ribs. <i>Applied Thermal Engineering</i> , 2013 , 61, 289-300	5.8	39
214	Nonlinear Methodologies for Identifying Seismic Event and Nuclear Explosion Using Random Forest, Support Vector Machine, and Naive Bayes Classification. <i>Abstract and Applied Analysis</i> , 2014 , 2014, 1-8	0.7	38
213	The performance management of a Li-ion battery by using tree-like mini-channel heat sinks: Experimental and numerical optimization. <i>Energy</i> , 2019 , 189, 116150	7.9	36
212	Turbulent flow characteristics and heat transfer enhancement in a square channel with various crescent ribs on one wall. <i>International Journal of Heat and Mass Transfer</i> , 2017 , 115, 283-295	4.9	36

211	Numerical Analysis of Constructal Water-Cooled Microchannel Heat Sinks with Multiple Bifurcations in the Entrance Region. <i>Numerical Heat Transfer; Part A: Applications</i> , 2015 , 67, 632-650	2.3	35
210	Analysis of Flow and Thermal Performance of a Water-Cooled Transversal Wavy Microchannel Heat Sink for Chip Cooling. <i>Journal of Electronic Packaging, Transactions of the ASME</i> , 2012 , 134,	2	35
209	Comparison and Analysis of Heat Transfer in Aluminum Foam Using Local Thermal Equilibrium or Nonequilibrium Model. <i>Heat Transfer Engineering</i> , 2016 , 37, 314-322	1.7	34
208	Convective heat transfer in a lightweight multifunctional sandwich panel with X-type metallic lattice core. <i>Applied Thermal Engineering</i> , 2017 , 127, 1293-1304	5.8	34
207	Prediction of heat transfer rates for shell-and-tube heat exchangers by artificial neural networks approach. <i>Journal of Thermal Science</i> , 2006 , 15, 257-262	1.9	33
206	Flow structure and heat transfer in a square passage with offset mid-truncated ribs. <i>International Journal of Heat and Mass Transfer</i> , 2014 , 71, 44-56	4.9	32
205	Application of a Genetic Algorithm for Thermal Design of Fin-and-Tube Heat Exchangers. <i>Heat Transfer Engineering</i> , 2008 , 29, 597-607	1.7	32
204	Numerical Prediction of Flow Structure and Heat Transfer in Square Channels with Dimples Combined with Secondary Half-Size Dimples/Protrusions. <i>Numerical Heat Transfer; Part A: Applications</i> , 2014 , 65, 327-356	2.3	31
203	Computational fluid dynamics for thermal performance of a water-cooled minichannel heat sink with different chip arrangements. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2014 , 24, 797-810	4.5	31
202	Heat Transfer Enhancement and Entropy Generation of Nanofluids Laminar Convection in Microchannels with Flow Control Devices. <i>Entropy</i> , 2016 , 18, 134	2.8	30
201	Experimental Study and Genetic-Algorithm-Based Correlation on Shell-Side Heat Transfer and Flow Performance of Three Different Types of Shell-and-Tube Heat Exchangers. <i>Journal of Heat Transfer</i> , 2007 , 129, 1277-1285	1.8	29
200	Fast approach of Pareto-optimal solution recommendation to multi-objective optimal design of serpentine-channel heat sink. <i>Applied Thermal Engineering</i> , 2014 , 70, 263-273	5.8	28
199	Systematic investigation of the flow evolution and energy extraction performance of a flapping-airfoil power generator. <i>Energy</i> , 2015 , 89, 138-147	7.9	27
198	Comparative evaluations of thermofluidic characteristics of sandwich panels with X-lattice and Pyramidal-lattice cores. <i>International Journal of Heat and Mass Transfer</i> , 2018 , 127, 268-282	4.9	27
197	Computational fluid-dynamics-based analysis of a ball valve performance in the presence of cavitation. <i>Journal of Engineering Thermophysics</i> , 2014 , 23, 27-38	1.4	27
196	Influence of anisotropic gas diffusion layers on transport phenomena in a proton exchange membrane fuel cell. <i>International Journal of Energy Research</i> , 2017 , 41, 2034-2050	4.5	26
195	Film cooling performance and flow characteristics of internal cooling channels with continuous/truncated ribs. <i>International Journal of Heat and Mass Transfer</i> , 2017 , 105, 67-75	4.9	26
194	A review of heat transfer deterioration of supercritical carbon dioxide flowing in vertical tubes: Heat transfer behaviors, identification methods, critical heat fluxes, and heat transfer correlations. <i>International Journal of Heat and Mass Transfer</i> , 2020 , 149, 119233	4.9	26

193	Thermal performance of dimpled/protruded circular and annular microchannel tube heat sink. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016 , 60, 342-351	5.3	24
192	Improved thermal performance of cooling channels with truncated ribs for a scramjet combustor fueled by endothermic hydrocarbon. <i>Applied Thermal Engineering</i> , 2018 , 142, 695-708	5.8	24
191	An Analytical Solution for Acoustic Emission Source Location for Known P Wave Velocity System. <i>Mathematical Problems in Engineering</i> , 2014 , 2014, 1-6	1.1	24
190	Computational analysis of the influences of guide ribs/vanes on enhanced heat transfer of a turbine blade tip-wall. <i>International Journal of Thermal Sciences</i> , 2012 , 51, 184-194	4.1	23
189	The effects of geometrical topology on fluid flow and thermal performance in Kagome cored sandwich panels. <i>Applied Thermal Engineering</i> , 2018 , 142, 79-88	5.8	23
188	Predictions of Enhanced Heat Transfer of an Internal Blade Tip-Wall With Hemispherical Dimples or Protrusions. <i>Journal of Turbomachinery</i> , 2011 , 133,	1.8	22
187	The numerical simulation with staggered alternation locations and multi-flow directions on the thermal performance of double-layer microchannel heat sinks. <i>Applied Thermal Engineering</i> , 2019 , 163, 114332	5.8	21
186	Heat transfer and thermodynamic analysis by introducing multiple alternation structures into double-layer microchannel heat sinks. <i>International Journal of Thermal Sciences</i> , 2019 , 145, 105975	4.1	21
185	The mass transfer characteristics and energy improvement with various partially blocked flow channels in a PEM fuel cell. <i>Energy</i> , 2020 , 206, 117977	7.9	21
184	Investigation on thermal and thermomechanical performances of actively cooled corrugated sandwich structures. <i>Applied Thermal Engineering</i> , 2016 , 103, 660-669	5.8	21
183	A Numerical Study of the Thermal Performance of Microchannel Heat Sinks with Multiple Length Bifurcation in Laminar Liquid Flow. <i>Numerical Heat Transfer; Part A: Applications</i> , 2014 , 65, 107-126	2.3	21
182	Effects of agglomerate model parameters on transport characterization and performance of PEM fuel cells. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 8451-8463	6.7	20
181	Simulation and improvement of temperature distributions of a framed mould during the autoclave composite curing process. <i>Journal of Engineering Thermophysics</i> , 2013 , 22, 43-61	1.4	20
180	Numerical Analysis of Flow and Thermal Performance of Liquid-Cooling Microchannel Heat Sinks with Bifurcation. <i>Numerical Heat Transfer; Part A: Applications</i> , 2013 , 64, 902-919	2.3	20
179	Constructal Design Associated to Genetic Algorithm of Asymmetric V-Shaped Pathways. <i>Journal of Heat Transfer</i> , 2015 , 137,	1.8	20
178	Numerical investigation of convective dropwise condensation flow by a hybrid thermal lattice Boltzmann method. <i>Applied Thermal Engineering</i> , 2018 , 145, 590-602	5.8	20
177	On assessment of heat transfer deterioration of a channel with supercritical n-decane for scramjet engines cooling. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 135, 782-795	4.9	19
176	Numerical Predictions of Heat Transfer and Flow Structure in a Square Cross-Section Channel with Various Non-Spherical Indentation Dimples. <i>Numerical Heat Transfer; Part A: Applications</i> , 2013 , 64, 187-213	2.3	19

175	Computational Analysis of Pin-Fin Arrays Effects on Internal Heat Transfer Enhancement of a Blade Tip Wall. <i>Journal of Heat Transfer</i> , 2010 , 132,	1.8	19
174	Enhanced Internal Heat Transfer on the Tip-Wall in a Rectangular Two-Pass Channel (AR = 1:2) by Pin-Fin Arrays. <i>Numerical Heat Transfer; Part A: Applications</i> , 2009 , 55, 739-761	2.3	19
173	Heat transfer enhancement of wedge-shaped channels by replacing pin fins with Kagome lattice structures. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 141, 88-101	4.9	18
172	Constructal Parallel-Flow and Counterflow Microchannel Heat Sinks with Bifurcations. <i>Numerical Heat Transfer; Part A: Applications</i> , 2015 , 68, 1087-1105	2.3	18
171	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	18
170	Optimization Design and Analysis of Multilayer Lightweight Thermal Protection Structures Under Aerodynamic Heating Conditions. <i>Journal of Thermal Science and Engineering Applications</i> , 2013 , 5,	1.9	17
169	Constructal Theory Based Geometric Optimization of Wavy Channels in the Low Reynolds Number Regime. <i>Journal of Electronic Packaging, Transactions of the ASME</i> , 2014 , 136,	2	16
168	Influence of secondary hole injection angle on enhancement of film cooling effectiveness with horn-shaped or cylindrical primary holes. <i>Numerical Heat Transfer; Part A: Applications</i> , 2018 , 74, 1207-1227	2.3	16
167	Computational Fluid Dynamics Modeling Flow Field and Side-Wall Heat Transfer in Rectangular Rib-Roughened Passages. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2013 , 135,	2.6	15
166	Application of an optimization method and experiment in inverse determination of interfacial heat transfer coefficients in the blade casting process. <i>Experimental Thermal and Fluid Science</i> , 2010 , 34, 1068-1076	3.1076	15
165	An X-lattice cored rectangular honeycomb with enhanced convective heat transfer performance. <i>Applied Thermal Engineering</i> , 2020 , 166, 114687	5.8	15
164	Turbulent heat transfer characteristics of supercritical n-decane in a vertical tube under various operating pressures. <i>International Journal of Energy Research</i> , 2019 , 43, 4652-4669	4.5	14
163	The Behavior of Turbulent Heat Transfer Deterioration in Supercritical Hydrocarbon Fuel Flow Considering Thermal Resistance Distribution. <i>International Journal of Thermal Sciences</i> , 2019 , 141, 19-32	4.1	14
162	Multiconfiguration Shape Optimization of Internal Cooling Systems of a Turbine Guide Vane Based on Thermomechanical and Conjugate Heat Transfer Analysis. <i>Journal of Heat Transfer</i> , 2015 , 137,	1.8	14
161	Enhanced Thermal Performance of Internal Y-Shaped Bifurcation Microchannel Heat Sinks With Metal Foams. <i>Journal of Thermal Science and Engineering Applications</i> , 2018 , 10,	1.9	14
160	Heat transfer behaviors of some supercritical fluids: A review. <i>Chinese Journal of Aeronautics</i> , 2021 , 35, 290-290	3.7	14
159	Flow pattern and heat transfer past two tandem arranged cylinders with oscillating inlet velocity. <i>Applied Thermal Engineering</i> , 2017 , 120, 614-625	5.8	13
158	Wavy Surface Cathode Gas Flow Channel Effects on Transport Processes in a Proton Exchange Membrane Fuel Cell. <i>Journal of Electrochemical Energy Conversion and Storage</i> , 2017 , 14,	2	13

157	Heat Transfer and Flow Characteristics in Rib-/Deflector-Roughened Cooling Channels with Various Configuration Parameters. <i>Numerical Heat Transfer; Part A: Applications</i> , 2015 , 67, 140-169	2.3	13
156	Thermal Analysis and Experimental Validation of Laminar Heat Transfer and Pressure Drop in Serpentine Channel Heat Sinks for Electronic Cooling. <i>Journal of Electronic Packaging, Transactions of the ASME</i> , 2014 , 136,	2	13
155	Turbulent flow characteristics and heat transfer enhancement in a rectangular channel with elliptical cylinders and protrusions of various heights. <i>Numerical Heat Transfer; Part A: Applications</i> , 2017 , 72, 417-432	2.3	12
154	Numerical investigation on flow and thermal performance of supercritical CO ₂ in horizontal cylindrically concaved tubes. <i>Applied Thermal Engineering</i> , 2019 , 153, 655-668	5.8	12
153	Application of fractal theory in the arrangement of truncated ribs in a rectangular cooling channel (4:1) of a turbine blade. <i>Applied Thermal Engineering</i> , 2018 , 139, 488-505	5.8	12
152	VOF Modeling and Analysis of the Segmented Flow in Y-Shaped Microchannels for Microreactor Systems. <i>Advances in High Energy Physics</i> , 2013 , 2013, 1-6	1	12
151	A parametric comparison of temperature uniformity and energy performance of a PEMFC having serpentine wavy channels. <i>International Journal of Energy Research</i> , 2019 , 43, 2722-2736	4.5	12
150	Flow and thermal performance of sandwich panels with plate fins or/and pyramidal lattice. <i>Applied Thermal Engineering</i> , 2020 , 164, 114468	5.8	12
149	Numerical predictions of flow and heat transfer of film cooling with an internal channel roughened by crescent ribs. <i>Numerical Heat Transfer; Part A: Applications</i> , 2018 , 74, 1539-1564	2.3	12
148	Numerical investigation of fluid flow structure and heat transfer in a passage with continuous and truncated V-shaped ribs. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2015 , 25, 171-189	4.5	11
147	Comparative study on the adiabatic film cooling performances with elliptical or super-elliptical holes of various length-to-width ratios. <i>International Journal of Thermal Sciences</i> , 2020 , 153, 106360	4.1	11
146	Numerical Prediction of Turbulent Flow and Heat Transfer Enhancement in a Square Passage With Various Truncated Ribs on One Wall. <i>Journal of Heat Transfer</i> , 2014 , 136,	1.8	11
145	Comprehensive analysis on the effect of asymmetric heat fluxes on microchannel slip flow and heat transfer via a lattice Boltzmann method. <i>International Communications in Heat and Mass Transfer</i> , 2020 , 118, 104856	5.8	11
144	Improved energy performance of a PEM fuel cell by introducing discontinuous S-shaped and crescent ribs into flowing channels. <i>Energy</i> , 2021 , 222, 119920	7.9	11
143	On the improvement of film cooling performance using tree-shaped network holes: A comparative study. <i>Numerical Heat Transfer; Part A: Applications</i> , 2018 , 74, 1121-1138	2.3	11
142	Influence on film cooling effectiveness of novel holes based on cylindrical configurations. <i>Numerical Heat Transfer; Part A: Applications</i> , 2019 , 75, 469-488	2.3	10
141	Enhanced heat transfer in a pyramidal lattice sandwich panel by introducing pin-fins/protrusions/dimples. <i>International Journal of Thermal Sciences</i> , 2020 , 156, 106468	4.1	10
140	Thermal performance and entropy generation of novel X-structured double layered microchannel heat sinks. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020 , 111, 90-104	5.3	10

139	Performance study on a single-screw compressor for a portable natural gas liquefaction process. <i>Energy</i> , 2018 , 148, 1032-1045	7.9	10
138	Real-Time Shop-Floor Production Performance Analysis Method for the Internet of Manufacturing Things. <i>Advances in Mechanical Engineering</i> , 2014 , 6, 270749	1.2	10
137	Numerical investigation of transport phenomena in high temperature proton exchange membrane fuel cells with different flow field designs. <i>Numerical Heat Transfer; Part A: Applications</i> , 2017 , 72, 807-820	2.3	10
136	Numerical and Experimental Investigation on the Flow Separation Control of S809 Airfoil with Slot. <i>Mathematical Problems in Engineering</i> , 2013 , 2013, 1-14	1.1	10
135	Parametric study on heat transfer enhancement and pressure drop of an internal blade tip-wall with pin-fin arrays. <i>Heat and Mass Transfer</i> , 2011 , 47, 45-57	2.2	10
134	Thermal and Thermomechanical Performances of Pyramidal Core Sandwich Panels Under Aerodynamic Heating. <i>Journal of Thermal Science and Engineering Applications</i> , 2017 , 9,	1.9	9
133	The influences of sidewall proximity on flow and thermal performance of a microchannel with large-row pin-fins. <i>International Journal of Thermal Sciences</i> , 2019 , 140, 8-19	4.1	9
132	The effect of a hub turning vane on turbulent flow and heat transfer in a four-pass channel at high rotation numbers. <i>International Journal of Heat and Mass Transfer</i> , 2016 , 92, 578-588	4.9	9
131	An evaluation on the laminar effect of buoyancy-driven supercritical hydrocarbon fuel flow and heat transfer characteristics. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 142, 118414	4.9	9
130	The solid phase thermal decomposition and nanocrystal effect of hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) via ReaxFF large-scale molecular dynamics simulation. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 17240-17252	3.6	9
129	On the Improvement of the Poor Heat Transfer Lee-Side Regions of Square Cross-Section Ribbed Channels. <i>Numerical Heat Transfer; Part A: Applications</i> , 2014 , 66, 963-989	2.3	9
128	The abnormal heat transfer behavior of supercritical n-decane flowing in a horizontal tube under regenerative cooling for scramjet engines. <i>Applied Thermal Engineering</i> , 2020 , 167, 114637	5.8	9
127	Parametric study on flow characteristics and heat transfer in rectangular channels with strip slits in ribs on one wall. <i>International Journal of Heat and Mass Transfer</i> , 2020 , 149, 118396	4.9	9
126	An artificial-neural-network based prediction of heat transfer behaviors for in-tube supercritical CO ₂ flow. <i>Applied Soft Computing Journal</i> , 2021 , 102, 107110	7.5	9
125	Entropy Generation and Heat Transfer Performances of Al ₂ O ₃ -Water Nanofluid Transitional Flow in Rectangular Channels with Dimples and Protrusions. <i>Entropy</i> , 2016 , 18, 148	2.8	9
124	Heat Transfer Enhancement and Turbulent Flow in a Rectangular Channel Using Perforated Ribs With Inclined Holes. <i>Journal of Heat Transfer</i> , 2019 , 141,	1.8	9
123	Effect of shape and distribution of pin-fins on the flow and heat transfer characteristics in the rectangular cooling channel. <i>International Journal of Thermal Sciences</i> , 2021 , 161, 106758	4.1	9
122	Investigation and numerical simulation on film cooling performance with an anti-vortex hole design: Influences of diameter ratio. <i>International Communications in Heat and Mass Transfer</i> , 2021 , 121, 105118	5.8	9

121	A numerical prediction on heat transfer characteristics from a circular tube in supercritical fluid crossflow. <i>Applied Thermal Engineering</i> , 2019 , 153, 692-703	5.8	8
120	Role of vane configuration on the heat dissipation performance of ventilated brake discs. <i>Applied Thermal Engineering</i> , 2018 , 136, 118-130	5.8	8
119	Numerical Analysis and Optimization on Flow Distribution and Heat Transfer of a U-Type Parallel Channel Heat Sink. <i>Advances in Mechanical Engineering</i> , 2015 , 7, 672451	1.2	8
118	Flow Characteristic and Heat Transfer for Non-Newtonian Nanofluid in Rectangular Microchannels with Teardrop Dimples/Protrusions. <i>Open Physics</i> , 2017 , 15, 197-206	1.3	8
117	Thermal and thermomechanical performance of actively cooled pyramidal sandwich panels. <i>International Journal of Thermal Sciences</i> , 2019 , 139, 118-128	4.1	8
116	Experimental and numerical study of turbulent flow and enhanced heat transfer by cross-drilled holes in a pin-finned brake disc. <i>International Journal of Thermal Sciences</i> , 2017 , 118, 355-366	4.1	7
115	Heat transfer enhancement of X-lattice-cored sandwich panels by introducing pin fins, dimples or protrusions. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 141, 627-642	4.9	7
114	Augmented Heat Transfer of an Internal Blade Tip by Full or Partial Arrays of Pin-Fins. <i>Heat Transfer Research</i> , 2011 , 42, 65-81	3.9	7
113	Effects of mainstream attack angles on film-cooling effectiveness of double-jet film-cooling. <i>International Journal of Thermal Sciences</i> , 2020 , 149, 106183	4.1	7
112	Flow and thermal performance of supercritical n-decane in double-layer channels for regenerative cooling of a scramjet combustor. <i>Applied Thermal Engineering</i> , 2020 , 180, 115695	5.8	7
111	Experimental and numerical investigations of heat transfer and fluid flow in a rectangular channel with perforated ribs. <i>International Communications in Heat and Mass Transfer</i> , 2021 , 121, 105083	5.8	7
110	Combined experimental and numerical studies on flow characteristic and heat transfer in ribbed channels with vortex generators of various types and arrangements. <i>International Journal of Thermal Sciences</i> , 2021 , 167, 107036	4.1	7
109	Heat transfer and turbulent flow characteristics over pocket cavity in the junction part of an outlet guide vane in a gas turbine. <i>Applied Thermal Engineering</i> , 2017 , 124, 831-843	5.8	6
108	Enhancement of heat transfer in a square channel by roughened surfaces in rib-elements and turbulent flow manipulation. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2017 , 27, 1571-1595	4.5	6
107	The energy performance improvement of a PEM fuel cell with various chaotic flowing channels. <i>International Journal of Energy Research</i> , 2019 , 43, 5460-5478	4.5	6
106	Material combinations and parametric study of thermal and mechanical performance of pyramidal core sandwich panels used for hypersonic aircrafts. <i>Continuum Mechanics and Thermodynamics</i> , 2016 , 28, 1905-1924	3.5	6
105	Fique as thermal insulation morphologic and thermal characterization of fique fibers. <i>Cogent Engineering</i> , 2019 , 6, 1579427	1.5	6
104	An Experimental Study on Heat Transfer Surface Area of Wavy-Fin Heat Exchangers. <i>Journal of Thermal Science and Engineering Applications</i> , 2014 , 6,	1.9	6

103	NUMERICAL PREDICTIONS OF PRESSURE DROP AND HEAT TRANSFER IN A BLADE INTERNAL COOLING PASSAGE WITH CONTINUOUS/TRUNCATED RIBS. <i>Heat Transfer Research</i> , 2012 , 43, 573-590	3.9	6
102	CONJUGATED ANALYSIS OF HEAT TRANSFER ENHANCEMENT OF AN INTERNAL BLADE TIP-WALL WITH PIN-FIN ARRAYS. <i>Journal of Enhanced Heat Transfer</i> , 2011 , 18, 149-165	1.7	6
101	Numerical analysis of supercritical n-decane upward flow and heat transfer characteristics in the buffer layer of a vertical tube. <i>Numerical Heat Transfer; Part A: Applications</i> , 2020 , 77, 247-265	2.3	6
100	Computational optimization of the internal cooling passages of a guide vane by a gradient-based algorithm. <i>Numerical Heat Transfer; Part A: Applications</i> , 2016 , 69, 1311-1331	2.3	6
99	An Improved Heat Transfer Correlation for Supercritical Aviation Kerosene Flowing Upward and Downward in Vertical Tubes. <i>Journal of Thermal Science</i> , 2020 , 29, 131-143	1.9	6
98	Comparative study of flow structures and heat transfer enhancement in a metallic lattice fabricated by metal sheet folding: Effects of punching location shift. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 134, 209-225	4.9	5
97	Energy savings with heat transfer enhancement techniques and heat exchangers. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 141, 1-4	4.1	5
96	Investigation on heat transfer of a rotor blade tip with various film cooling holes arrangements and groove depths. <i>Advances in Mechanical Engineering</i> , 2015 , 7, 168781401456849	1.2	5
95	Direct Numerical Simulation of Particle-Laden Swirling Flows on Turbulence Modulation. <i>Mathematical Problems in Engineering</i> , 2014 , 2014, 1-12	1.1	5
94	Computational Fluid Dynamics Modeling Three-Dimensional Unsteady Turbulent Flow and Excitation Force in Partial Admission Air Turbine. <i>Mathematical Problems in Engineering</i> , 2013 , 2013, 1-11 ^{1.1}	1.1	5
93	AN EXPERIMENTAL AND NUMERICAL STUDY OF FLOW AND HEAT TRANSFER IN RIBBED CHANNELS WITH LARGE RIB PITCH-TO-HEIGHT RATIOS. <i>Journal of Enhanced Heat Transfer</i> , 2013 , 20, 305-319	1.7	5
92	Combined-Hole Film Cooling Designs Based on the Construction of Antikidney Vortex Structure: A Review. <i>Journal of Heat Transfer</i> , 2021 , 143,	1.8	5
91	Thermal characteristics of in-tube upward supercritical CO ₂ flows and a new heat transfer prediction model based on artificial neural networks (ANN). <i>Applied Thermal Engineering</i> , 2021 , 194, 117067	5.8	5
90	Heat Transfer and Entropy Generation of Non-Newtonian Laminar Flow in Microchannels with Four Flow Control Structures. <i>Entropy</i> , 2016 , 18, 302	2.8	5
89	Effect of wall conduction on the heat transfer characteristics of supercritical n-decane in a horizontal rectangular pipe for cooling of a scramjet combustor. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2021 , 31, 880-896	4.5	5
88	Experimental Investigation on Heat Transfer Performance of a Flat Plate Heat Pipe With MWCNTS-Acetone Nanofluid. <i>Journal of Heat Transfer</i> , 2017 , 139,	1.8	4
87	Constructal Optimization of Louver Fin Channels Subjected to Heat Transfer Rate Maximization and Pressure Loss Minimization. <i>Heat Transfer Engineering</i> , 2018 , 39, 436-448	1.7	4
86	Special Issue on Recent Advances in Fundamentals and Applications of Biomass Energy. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2018 , 140,	2.6	4

85	Direct Numerical Simulation and Visualization of Biswirling Jets. <i>Advances in Mechanical Engineering</i> , 2014 , 6, 193731	1.2	4
84	Improvements of the Adiabatic Film Cooling by Using Two-Row Holes of Different Geometries and Arrangements. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2020 , 142,	2.6	4
83	Heat Transfer and Secondary Flow Characteristics in a Horizontally Round Pipe for Cooling a Scramjet Combustor by Supercritical n-Decane. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2021 , 143,	2.6	4
82	A Comprehensive Review on Multi-Dimensional Heat Conduction of Multi-Layer and Composite Structures: Analytical Solutions. <i>Journal of Thermal Science</i> , 2021 , 30, 1875-1907	1.9	4
81	Influences of accelerating states on supercritical n-decane heat transfer in a horizontal tube applied for scramjet engine cooling. <i>Aerospace Science and Technology</i> , 2021 , 109, 106424	4.9	4
80	Combined experimental and numerical investigations on heat transfer augmentation in truncated ribbed channels designed by adopting fractal theory. <i>International Communications in Heat and Mass Transfer</i> , 2021 , 121, 105080	5.8	4
79	Flow Characteristics and Heat Transfer of Supercritical n-decane in Novel Nested Channels for Scramjet Regenerative Cooling. <i>International Journal of Heat and Mass Transfer</i> , 2021 , 167, 120836	4.9	4
78	LBM modeling and analysis on microchannel slip flow and heat transfer under different heating conditions. <i>Numerical Heat Transfer; Part A: Applications</i> , 2020 , 78, 159-179	2.3	3
77	Investigation on thermal performance of a high-temperature heat-pipe thermal protection structure. <i>Journal of Engineering Thermophysics</i> , 2016 , 25, 359-376	1.4	3
76	Effect of the relative location of a pocket cavity on heat transfer and flow structures of the downstream endwall with a symmetrical vane. <i>International Journal of Thermal Sciences</i> , 2019 , 145, 106012	4.1	3
75	An Experimental Study on Heat Transfer Enhancement of Non-Newtonian Fluid in a Rectangular Channel With Dimples/Protrusions. <i>Journal of Electronic Packaging, Transactions of the ASME</i> , 2014 , 136,	2	3
74	Estimating Young's Modulus of Materials by a New Three-Point Bending Method. <i>Advances in Materials Science and Engineering</i> , 2014 , 2014, 1-9	1.5	3
73	Artificial-Neural-Networks-Based Correlating Heat Transfer and Friction of Three Kinds of Heat Exchangers Having Large Tube-Diameter and Large Tube-Row 2008 ,		3
72	Vortex dynamics of supercritical carbon dioxide flow past a heated circular cylinder at low Reynolds numbers. <i>Physics of Fluids</i> , 2022 , 34, 017111	4.4	3
71	NUMERICAL SIMULATIONS OF FLOW STRUCTURE AND TURBULENT HEAT TRANSFER IN A SQUARE RIBBED CHANNEL WITH VARYING RIB PITCH RATIO. <i>Journal of Enhanced Heat Transfer</i> , 2016 , 23, 155-174	1.7	3
70	Computational fluid dynamics modeling patterns and force characteristics of flow over in-line four square cylinders. <i>Thermal Science</i> , 2017 , 21, 2553-2563	1.2	3
69	A numerical study on subcooled flow boiling heat transfer in tubes with various helical angles at underwater vehicles conditions. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 141, 145-161	4.1	3
68	Investigation of High-Speed Erythrocyte Flow and Erythrocyte-Wall Impact in a Lab-on-a-Chip. <i>Artificial Organs</i> , 2016 , 40, E203-E218	2.6	3

67	The energy performance of a single-screw compressor for natural gas liquefaction process: Effects of the lubricating oil flow rate. <i>International Journal of Energy Research</i> , 2019 , 43, 1494-1504	4.5	3
66	Heat transfer enhancement of rotating wedge-shaped channels with pin fins and Kagome lattices. <i>Numerical Heat Transfer; Part A: Applications</i> , 2020 , 77, 1014-1033	2.3	3
65	Thermal performance and entropy generation of single-layer and double-layer constructal Y-shaped bionic microchannel heat sinks. <i>International Journal of Energy Research</i> , 2021 , 45, 9449-9462	4.5	3
64	Experimental and numerical examinations of thermofluids characteristics of double-layer microchannel heat sinks with deflectors. <i>International Journal of Heat and Mass Transfer</i> , 2022 , 182, 121969	4.9	3
63	LBM modelling unsteady flow past and through permeable diamond-shaped cylinders. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019 , 29, 3472-3497	4.5	2
62	Analysis of upstream, double-row, cylindrical holes on primary and secondary effects of endwall flow and film cooling. <i>International Journal of Heat and Fluid Flow</i> , 2020 , 82, 108568	2.4	2
61	Effects of a pocket cavity on heat transfer and flow characteristics of the endwall with a bluff body in a gas turbine engine. <i>Applied Thermal Engineering</i> , 2018 , 143, 935-946	5.8	2
60	Thermal Analysis of Air-Cooled Electronic Units With Integrated Offset Strip-Fin Heat Sink. <i>Journal of Electronic Packaging, Transactions of the ASME</i> , 2014 , 136,	2	2
59	Convective Heat Transfer of Parallel-Flow and Counter-Flow Double-Layer Microchannel Heat Sinks in Staggered Arrangement 2017 ,		2
58	Thermal Performance Prediction and Optimization of Heat Exchangers by Artificial Intelligence Techniques 2015 , 1-46		2
57	Parallel Algorithm with Parameters Based on Alternating Direction for Solving Banded Linear Systems. <i>Mathematical Problems in Engineering</i> , 2014 , 2014, 1-8	1.1	2
56	Energy Loss in Pulse Detonation Engine due to Fuel Viscosity. <i>Mathematical Problems in Engineering</i> , 2014 , 2014, 1-5	1.1	2
55	Effects of Guide Vanes on the Tip Heat Transfer Enhancement of a Turbine Blade 2011 ,		2
54	Convective heat transfer and pressure drop of annular tubes with three different internal longitudinal fins. <i>Heat Transfer - Asian Research</i> , 2008 , 37, 29-40	2.8	2
53	A PLIC-VOF-Based Simulation of Water-Organic Slug Flow Characteristics in a T-Shaped Microchannel. <i>Advances in Mechanical Engineering</i> , 2013 , 5, 987428	1.2	2
52	AN ASSESSMENT OF TURBULENCE MODELS FOR PREDICTING CONJUGATE HEAT TRANSFER FOR A TURBINE VANE WITH INTERNAL COOLING CHANNELS. <i>Heat Transfer Research</i> , 2015 , 46, 1039-1064	3.9	2
51	A NUMERICAL INVESTIGATION OF FLOW STRUCTURE AND HEAT TRANSFER ENHANCEMENT IN SQUARE RIBBED CHANNELS WITH DIFFERENTLY POSITIONED DEFLECTORS. <i>Journal of Enhanced Heat Transfer</i> , 2013 , 20, 195-212	1.7	2
50	An Experimental Study of Sister Holes Film Cooling With Various Secondary-to-Primary Hole Diameter Ratios. <i>Journal of Heat Transfer</i> , 2021 , 143,	1.8	2

49	Review of printed circuit heat exchangers and its applications in solar thermal energy. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 155, 111933	16.2	2
48	Film cooling performance and flow structure of single-hole and double-holes with swirling jet. <i>Chinese Journal of Aeronautics</i> , 2021 , 35, 201-201	3.7	2
47	Numerical analysis on thermal-hydraulic performances of staggered tube bundles for an aero-engine compact precooler. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 141, 387-399	4.1	2
46	The transport and thermodynamic characteristics of thermally oscillating phenomena in a buoyancy-driven supercritical fuel flow. <i>International Journal of Thermal Sciences</i> , 2021 , 159, 106550	4.1	2
45	New Designs of Novel Holes Based on Cylindrical Configurations for Improving Film Cooling Effectiveness 2018 ,		2
44	Inhomogeneous behavior of supercritical hydrocarbon fuel flow in a regenerative cooling channel for a scramjet engine. <i>Aerospace Science and Technology</i> , 2021 , 117, 106901	4.9	2
43	Heat transfer deterioration in upward and downward pipe flows of supercritical n-decane for actively regenerative cooling. <i>International Journal of Thermal Sciences</i> , 2021 , 168, 107066	4.1	2
42	Effect of thermal pyrolysis on heat transfer and upward flow characteristics in a rectangular channel using endothermic hydrocarbon fuel. <i>Chemical Engineering Science</i> , 2021 , 244, 116806	4.4	2
41	Thermodynamic assessment of combined supercritical CO ₂ cycle power systems with organic Rankine cycle or Kalina cycle. <i>Sustainable Energy Technologies and Assessments</i> , 2022 , 52, 102166	4.7	2
40	Predictor-Corrector LU-SGS Discontinuous Galerkin Finite Element Method for Conservation Laws. <i>Mathematical Problems in Engineering</i> , 2015 , 2015, 1-11	1.1	1
39	Anisotropic Characteristics of Turbulence Dissipation in Swirling Flow: A Direct Numerical Simulation Study. <i>Advances in Mathematical Physics</i> , 2015 , 2015, 1-9	1.1	1
38	High Performance Computation of a Jet in Crossflow by Lattice Boltzmann Based Parallel Direct Numerical Simulation. <i>Mathematical Problems in Engineering</i> , 2015 , 2015, 1-11	1.1	1
37	Computational Analysis of Propulsion Performance of Modified Pitching Motion Airfoils in Laminar Flow. <i>Mathematical Problems in Engineering</i> , 2014 , 2014, 1-13	1.1	1
36	Three-Dimensional Piezothermoelastic Stress of a Finite Functionally Graded Cylindrical Shell with Piezoelectric Layer. <i>Mathematical Problems in Engineering</i> , 2013 , 2013, 1-13	1.1	1
35	Simulation and Thermal Analysis on Temperature Fields During Composite Curing Process in Autoclave Technology 2012 ,		1
34	Sizing Optimization of Lightweight Multilayer Thermal Protection Structures for Hypersonic Aircraft 2012 ,		1
33	Computation of Flow and Heat Transfer of a Blade Internal Cooling Passage With Truncated V-Shaped Ribs on Opposite Walls 2012 ,		1
32	Computational Analysis of Side-Wall Heat Transfer of a Turbine Blade Internal Cooling Passage With Truncated Ribs on Opposite Walls 2012 ,		1

31	Effect of an impinging jet on the flow characteristics and thermal performance of mainstream in battery cooling of hybrid electric vehicles. <i>International Journal of Heat and Mass Transfer</i> , 2021 , 122206	4.9	1
30	Improvement of cooling performance of hybrid nanofluids in a heated pipe applying annular magnets. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 1	4.1	1
29	Computational analysis of span-wise hole locations on fluid flow and film cooling of internal channels with crescent ribs. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019 , 29, 2728-2753	4.5	1
28	Endwall film cooling holes design upstream of the leading edge of a turbine vane. <i>Numerical Heat Transfer; Part A: Applications</i> , 2021 , 79, 222-245	2.3	1
27	Activation process modeling and performance analysis of thermal batteries considering ignition time interval of heat pellets. <i>Energy</i> , 2021 , 219, 119631	7.9	1
26	Enhanced Heat Transfer and Thermal Performance of a Blade With Tree-Shaped Film Cooling Channels 2018 ,		1
25	Assessment on heat transfer deterioration to supercritical carbon dioxide in upward flows via large eddy simulation. <i>International Journal of Heat and Fluid Flow</i> , 2022 , 95, 108954	2.4	1
24	Supercritical CO ₂ flowing upward in a vertical tube subject to axially nonuniform heating. <i>Numerical Heat Transfer; Part A: Applications</i> , 2020 , 78, 717-736	2.3	0
23	An LBM-based investigation of thermal buoyancy and arrangement angle on flow characteristics and heat transfer over four heated square cylinders. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2021 , 79, 278-301	1.3	0
22	Parametric study and optimization on novel fork-type mini-channel network cooling plates for a Li-ion battery module under high discharge current rates. <i>International Journal of Energy Research</i> , 2021 , 45, 17784-17804	4.5	0
21	Experimental investigation and numerical analysis on effects of swirling coolant on flow characteristics and film cooling performance. <i>International Communications in Heat and Mass Transfer</i> , 2022 , 135, 106112	5.8	0
20	Investigation on the Interface Characteristics of the Thermal Barrier Coating System through Flat Cylindrical Indenters. <i>Advances in Mechanical Engineering</i> , 2014 , 6, 654096	1.2	
19	Modeling and Analysis in Thermodynamics and Heat Transfer. <i>Mathematical Problems in Engineering</i> , 2015 , 2015, 1-1	1.1	
18	Computational Science in Smart Grids and Energy Systems. <i>Journal of Applied Mathematics</i> , 2015 , 2015, 1-2	1.1	
17	High-Performance Computing Strategies for Complex Engineering Optimization Problems. <i>Mathematical Problems in Engineering</i> , 2014 , 2014, 1-1	1.1	
16	A Poisson-Fault Model for Testing Power Transformers in Service. <i>Mathematical Problems in Engineering</i> , 2014 , 2014, 1-9	1.1	
15	Revisiting Blasius Flow by Fixed Point Method. <i>Abstract and Applied Analysis</i> , 2014 , 2014, 1-9	0.7	
14	Stabilized Discretization in Spline Element Method for Solution of Two-Dimensional Navier-Stokes Problems. <i>Abstract and Applied Analysis</i> , 2014 , 2014, 1-11	0.7	

- 13 Computational Methods for High Energy Physics. *Advances in High Energy Physics*, **2014**, 2014, 1-2 1
- 12 Spectral Fixed Point Method for Nonlinear Oscillation Equation with Periodic Solution. *Mathematical Problems in Engineering*, **2013**, 2013, 1-9 1.1
- 11 A Novel Optimization-Based Approach for Content-Based Image Retrieval. *Journal of Applied Mathematics*, **2013**, 2013, 1-6 1.1
- 10 Computer-Aided Simulations of Convective Heat Transfer in a Wedged Channel with Pin-Fins at Various Outlet Arrangements and Nonuniform Diameters. *Advances in Mechanical Engineering*, **2013**, 5, 127078 1.2
- 9 Comparisons of Heat Transfer Enhancement of an Internal Blade Tip with Metal or Insulating Pins. *Advances in Applied Mathematics and Mechanics*, **2011**, 3, 297-309 2.1
- 8 Buoyancy and Thermal Acceleration of Supercritical n-Decane in a Rectangular Channel. *Journal of Thermophysics and Heat Transfer*, 1-12 1.3
- 7 Comparative analysis on the film cooling mechanisms of elliptical and cylindrical holes with 90° compound angle. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2021**, 31, 192-215 4.5
- 6 Local Exergy Losses of the Sandia Flame D: A Turbulent Piloted Methane/Air Jet Flame. *Journal of Engineering Thermophysics*, **2018**, 27, 422-439 1.4
- 5 Effects of the pocket cavity on heat transfer and fluid flow of the downstream outlet guide vane at different flow attacking angles. *Numerical Heat Transfer; Part A: Applications*, **2018**, 74, 1087-1104 2.3
- 4 Thermo-hydraulic characteristics of Al₂O₃-water nanofluid by preconditioned LBM. *Journal of Thermal Analysis and Calorimetry*, 1 4.1
- 3 Transient Flow and Heat Transfer in a Horizontal Rectangular Channel considering Thermal-Fluid-Structure Interaction. *Journal of Energy Resources Technology, Transactions of the ASME*, 1-18 2.6
- 2 Turbulent convective heat transfer behavior of supercritical water flowing upward in 2 × 2 rod bundle channels with various spacers. *Numerical Heat Transfer; Part A: Applications*, 1-25 2.3
- 1 Proper orthogonal decomposition and physical field reconstruction with artificial neural networks (ANN) for supercritical flow problems. *Engineering Analysis With Boundary Elements*, **2022**, 140, 282-299 2.6