

# Bengt Sundén

## List of Publications by Year in Descending Order

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

387  
papers

6,353  
citations

41  
h-index

58  
g-index

428  
ext. papers

7,980  
ext. citations

3.8  
avg, IF

6.79  
L-index

#	Paper	IF	Citations
387	Influence of spacing of a delta-winglet vortex generator pair on the flow behavior and heat transfer at the internal tip of gas turbine blades. <i>International Journal of Thermal Sciences</i> , <b>2022</b> , 175, 107464	4.1	0
386	Analysis of enhanced turbulent heat transfer in a sharp turn channel having novel designed endwall with longitudinal vortex generator. <i>International Communications in Heat and Mass Transfer</i> , <b>2022</b> , 131, 105874	5.8	0
385	An experimental investigation on the thermal augmentation of internal endwall in a two-pass duct using an array of delta-winglet vortex generator pair. <i>International Journal of Heat and Mass Transfer</i> , <b>2022</b> , 182, 122043	4.9	1
384	Experimental evaluation of longitudinal and transverse vortex generators on the endwall of a serpentine passage. <i>International Journal of Thermal Sciences</i> , <b>2022</b> , 176, 107521	4.1	0
383	Investigation on thermal performance of electric heaters with nanofluids. <i>Fuel</i> , <b>2022</b> , 320, 123966	7.1	0
382	Generation and Propagation Characteristics of an Auto-Ignition Flame Kernel Caused by the Oblique Shock in a Supersonic Flow Regime. <i>Energies</i> , <b>2022</b> , 15, 3356	3.1	0
381	Thermal performance in latticework ducts with various endwall shapes for aero-craft turbine cooling. <i>Aerospace Science and Technology</i> , <b>2022</b> , 126, 107588	4.9	0
380	Experimental study on the augmented Nusselt number of the endwall through a square-sectioned sharp-turn channel using novel heat exchanger. <i>International Journal of Heat and Mass Transfer</i> , <b>2022</b> , 192, 122920	4.9	0
379	What dominates heat transfer performance of a double-pipe heat exchanger. <i>Open Physics</i> , <b>2021</b> , 19, 863-866	1.3	0
378	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> , <b>2021</b> , 143,	2.6	4
377	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> , <b>2021</b> , 122206	4.9	1
376	Effects of pin fins and vortex generators on thermal performance in a microchannel with Al <sub>2</sub> O <sub>3</sub> nanofluids. <i>Energy</i> , <b>2021</b> , 239, 122606	7.9	7
375	Coating engineering for boiling heat transfer toward immersion cooling. <i>Advances in Heat Transfer</i> , <b>2021</b> , 53, 97-158	1.9	0
374	Coriolis and buoyancy effects on heat transfer in viewpoint of field synergy principle and secondary flow intensity for maximization of internal cooling. <i>Heat and Mass Transfer</i> , <b>2021</b> , 57, 1467-1483	2.2	0
373	Effects of hole configuration on film cooling effectiveness and particle deposition on curved surfaces in gas turbines. <i>Applied Thermal Engineering</i> , <b>2021</b> , 190, 116861	5.8	5
372	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> , <b>2021</b> , 79, 278-301	1.3	0
371	On the solar air heater thermal enhancement and flow topology using differently shaped ribs combined with delta-winglet vortex generators. <i>Energy</i> , <b>2021</b> , 224, 119944	7.9	7

370	Performance investigation on the novel anti-leakage and easy-to-manufacture trisection helical baffle electric heaters. <i>International Journal of Heat and Mass Transfer</i> , <b>2021</b> , 172, 121142	4.9	1
369	Film cooling in the trailing edge cutback with different land shapes and blowing ratios. <i>International Communications in Heat and Mass Transfer</i> , <b>2021</b> , 125, 105311	5.8	7
368	Analyses of thermal performance and pressure drop in a plate heat exchanger filled with ferrofluids under a magnetic field. <i>Fuel</i> , <b>2021</b> , 293, 120432	7.1	18
367	Investigation on Thermal-Hydraulic Performance in a Printed Circuit Heat Exchanger with Airfoil and Vortex Generator Fins for Supercritical Liquefied Natural Gas. <i>Heat Transfer Engineering</i> , <b>2021</b> , 42, 803-823	1.7	5
366	Effect of various surfactants on stability and thermophysical properties of nanofluids. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2021</b> , 143, 4057-4070	4.1	22
365	Entropy Study on the Enhanced Heat Transfer Mechanism of the Coupling of Detached and Spiral Vortex Fields in Spirally Corrugated Tubes. <i>Heat Transfer Engineering</i> , <b>2021</b> , 42, 1417-1431	1.7	3
364	On the topology of vortex structures and heat transfer of a gas turbine blade internal tip with different arrangement of delta-winglet vortex generators. <i>International Journal of Thermal Sciences</i> , <b>2021</b> , 160, 106676	4.1	8
363	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> , <b>2021</b> , 109, 106424	4.9	4
362	Endwall film cooling holes design upstream of the leading edge of a turbine vane. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2021</b> , 79, 222-245	2.3	1
361	A high temperature turbine blade heat transfer multilevel design platform. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2021</b> , 79, 122-145	2.3	3
360	The transport and thermodynamic characteristics of thermally oscillating phenomena in a buoyancy-driven supercritical fuel flow. <i>International Journal of Thermal Sciences</i> , <b>2021</b> , 159, 106550	4.1	2
359	Vortical structures and heat transfer augmentation of a cooling channel in a gas turbine blade with various arrangements of tip bleed holes. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2021</b> , 79, 40-67	2.3	0
358	Heat Transfer Study of a Hybrid Smooth and Spirally Corrugated Tube. <i>Heat Transfer Engineering</i> , <b>2021</b> , 42, 242-250	1.7	7
357	Nanoparticle-Assisted Pool Boiling Heat Transfer on Micro-Pin-Fin Surfaces. <i>Langmuir</i> , <b>2021</b> , 37, 1089-1101	1.7	5
356	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> , <b>2021</b> , 121, 105080	5.8	4
355	Toward computationally effective modeling and simulation of droplet formation in microchannel junctions. <i>Chemical Engineering Research and Design</i> , <b>2021</b> , 166, 135-147	5.5	2
354	Analysis, modeling and simulations of an innovative sliding vane rotary compressor with a rotating cylinder. <i>Energy Conversion and Management</i> , <b>2021</b> , 230, 113822	10.6	6
353	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> , <b>2021</b> , 121, 105083	5.8	7

352	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> , <b>2021</b> , 167, 120836	4.9	4
351	Continuum scale modelling and complementary experimentation of solid oxide cells. <i>Progress in Energy and Combustion Science</i> , <b>2021</b> , 85, 100902	33.6	16
350	Flow structure and heat transfer characteristics in a ribbed two-pass channel with varying divider inclination angle. <i>International Journal of Thermal Sciences</i> , <b>2021</b> , 166, 106969	4.1	4
349	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> , <b>2021</b> , 167, 107036	4.1	7
348	Heat transfer deterioration in upward and downward pipe flows of supercritical n-decane for actively regenerative cooling. <i>International Journal of Thermal Sciences</i> , <b>2021</b> , 168, 107066	4.1	2
347	Preparation and thermophysical property analysis of nanocomposite phase change materials for energy storage. <i>Renewable and Sustainable Energy Reviews</i> , <b>2021</b> , 151, 111541	16.2	8
346	Heat transfer in the trailing region of gas turbines  A state-of-the-art review. <i>Applied Thermal Engineering</i> , <b>2021</b> , 199, 117614	5.8	16
345	On heat transfer and flow characteristics of jets impingement on a concave surface with varying pin-fin arrangements. <i>International Journal of Thermal Sciences</i> , <b>2021</b> , 170, 107163	4.1	1
344	THE AUGMENTATION OF INTERNAL TIP HEAT TRANSFER IN GAS TURBINE BLADES USING A PAIR OF DELTA-WINGLET VORTEX GENERATORS. <i>Journal of Enhanced Heat Transfer</i> , <b>2021</b> , 28, 17-40	1.7	3
343	Bubble dynamics and mechanistic boiling heat transfer prediction on a scored copper surface. <i>Journal of Physics: Conference Series</i> , <b>2021</b> , 2116, 012009	0.3	
342	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> , <b>2020</b> , 153, 106360	4.1	11
341	Improved modeling of heat transfer in dropwise condensation. <i>International Journal of Heat and Mass Transfer</i> , <b>2020</b> , 155, 119719	4.9	15
340	Synthesis and experimental study of novel double perovskite Ba <sub>2</sub> NixCo <sub>2</sub> O <sub>6</sub> as promising oxygen carrier materials for CO <sub>2</sub> capture application. <i>International Journal of Energy Research</i> , <b>2020</b> , 44, 6991-6999	4.5	3
339	Passive techniques to enhance heat transfer in various thermal systems. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2020</b> , 140, 875-878	4.1	6
338	An improved method to visualize two regions of interest synchronously in microfluidics. <i>Flow Measurement and Instrumentation</i> , <b>2020</b> , 72, 101715	2.2	6
337	A network model and numerical simulations of flow distributions in packed bed reactors with different packing structures. <i>Applied Thermal Engineering</i> , <b>2020</b> , 172, 115141	5.8	3
336	LBM modeling and analysis on microchannel slip flow and heat transfer under different heating conditions. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2020</b> , 78, 159-179	2.3	3
335	Performance of fuel-air combustion in a reheating furnace at different flowrate and inlet conditions. <i>Energy</i> , <b>2020</b> , 206, 118206	7.9	5

334	Numerical studies of gas-liquid Taylor flows in vertical capillaries using CuO/water nanofluids. <i>International Communications in Heat and Mass Transfer</i> , <b>2020</b> , 116, 104665	5.8	7
333	Performance analysis of a plate heat exchanger using various nanofluids. <i>International Journal of Heat and Mass Transfer</i> , <b>2020</b> , 158, 119993	4.9	50
332	Influence of alternating V-rows tube layout on thermal-hydraulic characteristics of twisted elliptical tube heat exchangers. <i>International Journal of Heat and Mass Transfer</i> , <b>2020</b> , 159, 120070	4.9	5
331	Performance investigation on twisted elliptical tube heat exchangers with coupling-vortex square tube layout. <i>International Journal of Heat and Mass Transfer</i> , <b>2020</b> , 151, 119473	4.9	8
330	Experimental investigation on micromixing characteristics of coaxial mixers in viscous system. <i>Canadian Journal of Chemical Engineering</i> , <b>2020</b> , 98, 1815-1824	2.3	3
329	Breakup dynamics of gas-liquid interface during Taylor bubble formation in a microchannel flow-focusing device. <i>Experimental Thermal and Fluid Science</i> , <b>2020</b> , 113, 110043	3	3
328	Assessment of flow pattern and temperature profiles by residence time distribution in typical structured packed beds. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2020</b> , 77, 559-578	2.3	1
327	Unified formula for the field synergy principle. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , <b>2020</b> , 77, 287-298	1.3	1
326	On neural network modeling to maximize the power output of PEMFCs. <i>Electrochimica Acta</i> , <b>2020</b> , 348, 136345	6.7	15
325	Numerical Study of Heat Transfer in Gravity-Driven Particle Flow around Tubes with Different Shapes. <i>Energies</i> , <b>2020</b> , 13, 1961	3.1	8
324	Effect and optimization of backward hole parameters on film cooling performance by Taguchi method. <i>Energy Conversion and Management</i> , <b>2020</b> , 214, 112809	10.6	7
323	Optimization of fin configurations and layouts in a printed circuit heat exchanger for supercritical liquefied natural gas near the pseudo-critical temperature. <i>Applied Thermal Engineering</i> , <b>2020</b> , 172, 115131	5.8	8
322	Numerical study of heat transfer in gravity-driven dense particle flow around a hexagonal tube. <i>Powder Technology</i> , <b>2020</b> , 367, 285-295	5.2	12
321	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> , <b>2020</b> , 142,	2.6	4
320	Heat transfer performance and friction factor of various nanofluids in a double-tube counter flow heat exchanger. <i>Thermal Science</i> , <b>2020</b> , 24, 3601-3612	1.2	4
319	Numerical study of flow inhomogeneity and heat transfer enhancement in structured packed beds. <i>Thermal Science</i> , <b>2020</b> , 24, 3533-3542	1.2	
318	Numerical investigation of particle deposition in film-cooled blade leading edge. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2020</b> , 77, 579-598	2.3	7
317	Study of effects of axisymmetric endwall contouring on film cooling/heat transfer and secondary losses in a cascade of first stage nozzle guide vane. <i>Applied Thermal Engineering</i> , <b>2020</b> , 168, 114844	5.8	3

3 <sup>16</sup>	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> , <b>2020</b> , 77, 247-265	2.3	6
3 <sup>15</sup>	Computational analysis of the impact of a micro porous layer (MPL) on the characteristics of a high temperature PEMFC. <i>Electrochimica Acta</i> , <b>2020</b> , 333, 135552	6.7	13
3 <sup>14</sup>	Application of ultrasound technology in the drying of food products. <i>Ultrasonics Sonochemistry</i> , <b>2020</b> , 63, 104950	8.9	48
3 <sup>13</sup>	Transport dynamics of droplet impact on the wedge-patterned biphilic surface. <i>Experimental Thermal and Fluid Science</i> , <b>2020</b> , 113, 110020	3	1
3 <sup>12</sup>	Investigation of gas-liquid dispersion and mass transfer performance of wide-viscosity-range impellers in water solutions of xanthan gum. <i>Chemical Engineering Research and Design</i> , <b>2020</b> , 154, 60-69	5.5	2
3 <sup>11</sup>	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> , <b>2020</b> , 167, 114637	5.8	9
3 <sup>10</sup>	Experimental and numerical study of natural convection in bottom-heated cylindrical cavity filled with molten salt nanofluids. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2020</b> , 141, 1207-1219	4.1	6
3 <sup>09</sup>	Analysis of laminar flow and heat transfer in an interrupted microchannel heat sink with different shaped ribs. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2020</b> , 140, 1259-1266	4.1	8
3 <sup>08</sup>	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> , <b>2020</b> , 149, 118396	4.9	9
3 <sup>07</sup>	Heat-Dissipation Performance of Nanocomposite Phase-Change Materials in a Twin-Heat-Source System. <i>Fluids</i> , <b>2020</b> , 5, 174	1.6	1
3 <sup>06</sup>	Experimental investigation of heat transfer performance of a heat pipe combined with thermal energy storage materials of CuO-paraffin nanocomposites. <i>Solar Energy</i> , <b>2020</b> , 211, 928-937	6.8	16
3 <sup>05</sup>	Numerical investigation of flow field and heat transfer characteristics in a latticework duct with jet cooling structures. <i>International Journal of Thermal Sciences</i> , <b>2020</b> , 158, 106553	4.1	8
3 <sup>04</sup>	Thermodynamic and exergoeconomic analysis of a novel CO <sub>2</sub> based combined cooling, heating and power system. <i>Energy Conversion and Management</i> , <b>2020</b> , 222, 113251	10.6	12
3 <sup>03</sup>	Numerical investigations on the effect of convex-dimple streamwise arrangements on the flow and heat transfer characteristics of rectangular convex-dimple-grooved channels. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2020</b> , 78, 443-460	2.3	2
3 <sup>02</sup>	Pool Boiling of NOVEC-649 on Microparticle-Coated and Nanoparticle-Coated Surfaces. <i>Heat Transfer Engineering</i> , <b>2020</b> , 1-16	1.7	3
3 <sup>01</sup>	Flow and thermal performance of supercritical n-decane in double-layer channels for regenerative cooling of a scramjet combustor. <i>Applied Thermal Engineering</i> , <b>2020</b> , 180, 115695	5.8	7
3 <sup>00</sup>	Investigation of Heat Transfer Characteristics of Al <sub>2</sub> O <sub>3</sub> -Water Nanofluids in an Electric Heater. <i>Heat Transfer Engineering</i> , <b>2020</b> , 1-10	1.7	1
299	Thermo-Hydraulic Performance Enhancement of Finned Elliptical Tube Heat Exchangers by Utilizing Innovative Dimple Turbulators. <i>Heat Transfer Engineering</i> , <b>2020</b> , 41, 1117-1142	1.7	16



298	Experimental investigation on heat transfer characteristics of various nanofluids in an indoor electric heater. <i>Renewable Energy</i> , <b>2020</b> , 147, 1011-1018	8.1	19
297	Numerical Investigation on Thermal Performance Design of Cryogenic Compact Heat Exchangers with Serrated-Fin Channels. <i>Heat Transfer Engineering</i> , <b>2020</b> , 41, 1856-1868	1.7	2
296	Analysis of Fouling in Six-Start Spirally Corrugated Tubes. <i>Heat Transfer Engineering</i> , <b>2020</b> , 41, 1885-1900	1.7	4
295	Development of new finned tube heat exchanger: Innovative tube-bank design and thermohydraulic performance. <i>Heat Transfer Engineering</i> , <b>2020</b> , 41, 1209-1231	1.7	9
294	A numerical study of heat transfer effects and aerodynamic noise reduction in superheated steam flow passing a temperature and pressure regulation valve. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2020</b> , 77, 873-889	2.3	3
293	An analysis of pool boiling heat transfer on nanoparticle-coated surfaces. <i>Energy Procedia</i> , <b>2019</b> , 158, 5880-5887	2.3	4
292	Nucleate pool boiling heat transfer of acetone and HFE7200 on copper surfaces with nanoparticle coatings. <i>Energy Procedia</i> , <b>2019</b> , 158, 5872-5879	2.3	1
291	Research on thermal properties of novel silica nanoparticle/binary nitrate/expanded graphite composite heat storage blocks. <i>Solar Energy Materials and Solar Cells</i> , <b>2019</b> , 201, 110055	6.4	12
290	Air inlet angle influence on the air-side heat transfer and flow friction characteristics of a finned oval tube heat exchanger. <i>International Journal of Heat and Mass Transfer</i> , <b>2019</b> , 145, 118702	4.9	10
289	A comprehensive review on liquid-liquid two-phase flow in microchannel: flow pattern and mass transfer. <i>Microfluidics and Nanofluidics</i> , <b>2019</b> , 23, 1	2.8	23
288	Energy analysis and multi-objective optimization of waste heat and cold energy recovery process in LNG-fueled vessels based on a triple organic Rankine cycle. <i>Energy Conversion and Management</i> , <b>2019</b> , 195, 561-572	10.6	50
287	Turbulent heat transfer characteristics of supercritical n-decane in a vertical tube under various operating pressures. <i>International Journal of Energy Research</i> , <b>2019</b> , 43, 4652-4669	4.5	14
286	A numerical framework for heat transfer and pressure loss estimation of matrix cooling geometry in stationary and rotational states. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2019</b> , 76, 348-368	2.3	4
285	Heat transfer characteristics of a dimpled/protrusioned pin fin wedge duct with different converging angles for turbine blades. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2019</b> , 76, 369-392	2.3	4
284	Feasibility study on a novel heat exchanger network for cryogenic liquid regasification with cooling capacity recovery: Theoretical and experimental assessments. <i>Energy</i> , <b>2019</b> , 181, 771-781	7.9	8
283	Effect of hole configurations on film cooling performance. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2019</b> , 75, 725-738	2.3	8
282	Analysis of heat and mass transport characteristics in anode-supported solid oxide fuel cells at various operating conditions. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2019</b> , 75, 509-522	2.3	4
281	Large eddy simulation of turbulent flow and heat transfer in outward transverse and helically corrugated tubes. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2019</b> , 75, 456-468	2.3	4

280	Saturated pool boiling heat transfer of acetone and HFE-7200 on modified surfaces by electrophoretic and electrochemical deposition. <i>Applied Energy</i> , <b>2019</b> , 249, 286-299	10.7	29
279	Energy saving in thermal energy systems using dimpled surface technology [A review on mechanisms and applications. <i>Applied Energy</i> , <b>2019</b> , 250, 1491-1547	10.7	60
278	Analysis of a hybrid control scheme in the district heating system with distributed variable speed pumps. <i>Sustainable Cities and Society</i> , <b>2019</b> , 48, 101591	10.1	14
277	Heat transfer and flow structure in a detached latticework duct. <i>Applied Thermal Engineering</i> , <b>2019</b> , 155, 24-39	5.8	17
276	Effect of droplet characteristics on heat transfer of mist/air cooling in a pin-finned channel. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2019</b> , 75, 291-308	2.3	5
275	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> , <b>2019</b> , 140, 8-19	4.1	9
274	Numerical investigation on flow and thermal performance of supercritical CO <sub>2</sub> in horizontal cylindrically concaved tubes. <i>Applied Thermal Engineering</i> , <b>2019</b> , 153, 655-668	5.8	12
273	A numerical prediction on heat transfer characteristics from a circular tube in supercritical fluid crossflow. <i>Applied Thermal Engineering</i> , <b>2019</b> , 153, 692-703	5.8	8
272	Heat transfer and flow structure in a rotating duct with detached pin fins. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2019</b> , 75, 217-241	2.3	13
271	Effect of gas distributor on gas-liquid dispersion and mass transfer characteristics in stirred tank. <i>Chemical Engineering Research and Design</i> , <b>2019</b> , 145, 314-322	5.5	8
270	The Behavior of Turbulent Heat Transfer Deterioration in Supercritical Hydrocarbon Fuel Flow Considering Thermal Resistance Distribution. <i>International Journal of Thermal Sciences</i> , <b>2019</b> , 141, 19-32	4.1	14
269	The contact angle of nanofluids as thermophysical property. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 547, 393-406	9.3	33
268	Slug Formation Analysis of Liquid-Liquid Two-Phase Flow in T-Junction Microchannels. <i>Journal of Thermal Science and Engineering Applications</i> , <b>2019</b> , 11,	1.9	13
267	Experimental study of fluid flow and heat transfer of jet impingement in cross-flow with a vortex generator pair. <i>International Journal of Heat and Mass Transfer</i> , <b>2019</b> , 135, 935-949	4.9	14
266	Effect of A-/B-site Doping on Oxygen Non-Stoichiometry, Structure characteristics, and O <sub>2</sub> Releasing Behavior of La <sub>1-x</sub> CaxCo <sub>1-y</sub> FeyO <sub>3</sub> Perovskites. <i>Energies</i> , <b>2019</b> , 12, 410	3.1	9
265	Effect of Operational Parameters on Combustion and Emissions in an Industrial Gas Turbine Combustor. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , <b>2019</b> , 141,	2.6	14
264	Design guidelines for fluid-elastic instability of tube bundles subjected to two-phase cross flow. <i>Journal of Zhejiang University: Science A</i> , <b>2019</b> , 20, 577-589	2.1	
263	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> , <b>2019</b> , 145, 1060-12	4.1	3



262	Effect of the Broken Rib Locations on the Heat Transfer and Fluid Flow in a Rotating Latticework Duct. <i>Journal of Heat Transfer</i> , <b>2019</b> , 141,	1.8	4
261	Modeling approaches for fuel cells <b>2019</b> , 167-202		
260	Heat transfer prediction and critical heat flux mechanism for pool boiling of NOVEC-649 on microporous copper surfaces. <i>International Journal of Heat and Mass Transfer</i> , <b>2019</b> , 141, 818-834	4.9	19
259	Experimental Investigation on Drawdown of Floating Particles in Viscous Systems Driven by Coaxial Mixers. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 11060-11071	3.9	6
258	Large eddy simulation of turbulent heat transfer in a non-isothermal channel: Effects of temperature-dependent viscosity and thermal conductivity. <i>International Journal of Thermal Sciences</i> , <b>2019</b> , 146, 106094	4.1	4
257	Electrophoretic deposition surfaces to enhance HFE-7200 pool boiling heat transfer and critical heat flux. <i>International Journal of Thermal Sciences</i> , <b>2019</b> , 146, 106107	4.1	12
256	Effects of a Dynamic Injection Flow Rate on Slug Generation in a Cross-Junction Square Microchannel. <i>Processes</i> , <b>2019</b> , 7, 765	2.9	5
255	Heat Transfer and Flow Structure in a Latticework Duct With Different Sidewalls. <i>Journal of Heat Transfer</i> , <b>2019</b> , 141,	1.8	4
254	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> , <b>2019</b> , 43, 1494-1504	4.5	3
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192	Reduction of Heat Transfer on the Endwall in the Upstream Junction Region of a Symmetric Airfoil With Vortex Generator Pair <b>2018</b> ,		1
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186	Heat transfer correlations for jet impingement boiling over micro-pin-finned surface. <i>International Journal of Heat and Mass Transfer</i> , <b>2018</b> , 126, 401-413	4.9	13
185	A geometric study on shell side heat transfer and flow resistance of a six-start spirally corrugated tube. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2018</b> , 73, 565-582	2.3	8
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132	Flow-Pattern Based Heat Transfer Correlations for Stable Flow Boiling in Micro/Minichannels. <i>Journal of Heat Transfer</i> , <b>2016</b> , 138,	1.8	5
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130	Analysis of micro-channel heat sinks with rectangular-shaped flow obstructions. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2016</b> , 69, 335-351	2.3	39
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