

Qiuwang Wang

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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.

409
papers

7,225
citations

43
h-index

64
g-index

473
ext. papers

9,248
ext. citations

4.8
avg, IF

6.6
L-index

#	Paper	IF	Citations
409	A unified analysis on enhancing single phase convective heat transfer with field synergy principle. <i>International Journal of Heat and Mass Transfer</i> , 2002 , 45, 4871-4879	4.9	215
408	Optimization of compact heat exchangers by a genetic algorithm. <i>Applied Thermal Engineering</i> , 2008 , 28, 895-906	5.8	170
407	Computational study of forced convective heat transfer in structured packed beds with spherical or ellipsoidal particles. <i>Chemical Engineering Science</i> , 2010 , 65, 726-738	4.4	130
406	Experimental and numerical investigation on air-side performance of fin-and-tube heat exchangers with various fin patterns. <i>Experimental Thermal and Fluid Science</i> , 2009 , 33, 818-827	3	117
405	Optimization of heat exchangers with vortex-generator fin by Taguchi method. <i>Applied Thermal Engineering</i> , 2010 , 30, 1775-1783	5.8	117
404	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
403	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
402	An investigation of the thermo-hydraulic performance of the smooth wavy fin-and-elliptical tube heat exchangers utilizing new type vortex generators. <i>Applied Energy</i> , 2016 , 162, 1282-1302	10.7	108
401	Development of a plate-pin fin heat sink and its performance comparisons with a plate fin heat sink. <i>Applied Thermal Engineering</i> , 2005 , 25, 173-182	5.8	107
400	Experimental analysis of forced convective heat transfer in novel structured packed beds of particles. <i>Chemical Engineering Science</i> , 2012 , 71, 126-137	4.4	104
399	An Experimental Study of Shell-and-Tube Heat Exchangers With Continuous Helical Baffles. <i>Journal of Heat Transfer</i> , 2007 , 129, 1425-1431	1.8	101
398	Numerical investigation on combined multiple shell-pass shell-and-tube heat exchanger with continuous helical baffles. <i>International Journal of Heat and Mass Transfer</i> , 2009 , 52, 1214-1222	4.9	93
397	Optimization of fin arrangement and channel configuration in an airfoil fin PCHE for supercritical CO ₂ cycle. <i>Applied Thermal Engineering</i> , 2014 , 70, 867-875	5.8	89
396	Study on local thermal-hydraulic performance and optimization of zigzag-type printed circuit heat exchanger at high temperature. <i>Energy Conversion and Management</i> , 2015 , 104, 55-66	10.6	88
395	Recent development and application of several high-efficiency surface heat exchangers for energy conversion and utilization. <i>Applied Energy</i> , 2014 , 135, 748-777	10.7	86
394	Experimental investigation on SCO ₂ -water heat transfer characteristics in a printed circuit heat exchanger with straight channels. <i>International Journal of Heat and Mass Transfer</i> , 2017 , 113, 184-194	4.9	82
393	3D numerical investigation of flow and heat transfer characteristics in smooth wavy fin-and-elliptical tube heat exchangers using new type vortex generators. <i>Energy</i> , 2014 , 73, 233-257	7.9	79

392	Review of Improvements on Shell-and-Tube Heat Exchangers With Helical Baffles. <i>Heat Transfer Engineering</i> , 2010 , 31, 836-853	1.7	78
391	Organic phase change materials confined in carbon-based materials for thermal properties enhancement: Recent advancement and challenges. <i>Renewable and Sustainable Energy Reviews</i> , 2019 , 108, 398-422	16.2	75
390	Numerical comparison between single PCM and multi-stage PCM based high temperature thermal energy storage for CSP tower plants. <i>Applied Thermal Engineering</i> , 2018 , 139, 609-622	5.8	70
389	On contact point modifications for forced convective heat transfer analysis in a structured packed bed of spheres. <i>Nuclear Engineering and Design</i> , 2014 , 270, 21-33	1.8	70
388	Experimental study on the performance of a vanadium redox flow battery with non-uniformly compressed carbon felt electrode. <i>Applied Energy</i> , 2018 , 213, 293-305	10.7	69
387	Comparison of gaseous contaminant diffusion under stratum ventilation and under displacement ventilation. <i>Building and Environment</i> , 2010 , 45, 2035-2046	6.5	62
386	Numerical study on vanadium redox flow battery performance with non-uniformly compressed electrode and serpentine flow field. <i>Applied Energy</i> , 2018 , 220, 106-116	10.7	59
385	Comparison of performances of displacement and mixing ventilations. Part II: indoor air quality. <i>International Journal of Refrigeration</i> , 2005 , 28, 288-305	3.8	59
384	Personal thermal management using portable thermoelectrics for potential building energy saving. <i>Applied Energy</i> , 2018 , 218, 282-291	10.7	58
383	Experimental study of heat transfer enhancement in narrow rectangular channel with longitudinal vortex generators. <i>Nuclear Engineering and Design</i> , 2007 , 237, 686-693	1.8	58
382	An experimental study on heat transfer between supercritical carbon dioxide and water near the pseudo-critical temperature in a double pipe heat exchanger. <i>International Journal of Heat and Mass Transfer</i> , 2016 , 93, 379-387	4.9	56
381	Generalized charts of energy storage effectiveness for thermocline heat storage tank design and calibration. <i>Solar Energy</i> , 2011 , 85, 2130-2143	6.8	56
380	Energy and exergy analysis for waste heat cascade utilization in sinter cooling bed. <i>Energy</i> , 2014 , 67, 370-380	7.9	55
379	Experimental study of developing turbulent flow and heat transfer in ribbed convergent/divergent square ducts. <i>International Journal of Heat and Fluid Flow</i> , 2001 , 22, 603-613	2.4	55
378	Characteristics of charcoal combustion and its effects on iron-ore sintering performance. <i>Applied Energy</i> , 2016 , 161, 364-374	10.7	54
377	Experimental investigation of thermal and ventilation performances of stratum ventilation. <i>Building and Environment</i> , 2011 , 46, 1309-1320	6.5	53
376	Numerical study on thermoelectric-hydraulic performance of a thermoelectric power generator with a plate-fin heat exchanger with longitudinal vortex generators. <i>Applied Energy</i> , 2017 , 185, 1343-1354	10.7	52
375	Experimental investigation on thermoelectric generator with non-uniform hot-side heat exchanger for waste heat recovery. <i>Energy Conversion and Management</i> , 2017 , 150, 403-414	10.6	52

374	Heat transfer enhancement, intensification and optimisation in heat exchanger network retrofit and operation. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 120, 109644	16.2	51
373	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
372	Fin Pattern Effects on Air-Side Heat Transfer and Friction Characteristics of Fin-and-Tube Heat Exchangers with Large Number of Large-Diameter Tube Rows. <i>Heat Transfer Engineering</i> , 2009 , 30, 171-180	1.7	50
371	Shell-side thermal-hydraulic performances of multilayer spiral-wound heat exchangers under different wall thermal boundary conditions. <i>Applied Thermal Engineering</i> , 2014 , 70, 1216-1227	5.8	48
370	Thermal and economic evaluation of thermocline combined sensible-latent heat thermal energy storage system for medium temperature applications. <i>Energy Conversion and Management</i> , 2019 , 189, 14-23	10.6	47
369	Numerical prediction for laminar forced convection heat transfer in parallel-plate channels with streamwise-periodic rod disturbances. <i>International Journal for Numerical Methods in Fluids</i> , 1998 , 28, 1371-1387	1.9	47
368	Comparison of performances of displacement and mixing ventilations. Part I: thermal comfort. <i>International Journal of Refrigeration</i> , 2005 , 28, 276-287	3.8	43
367	Study on hydraulic and thermal performance of printed circuit heat transfer surface with distributed airfoil fins. <i>Applied Thermal Engineering</i> , 2017 , 114, 1309-1318	5.8	41
366	Numerical study on carbon deposition of SOFC with unsteady state variation of porosity. <i>Applied Energy</i> , 2012 , 97, 754-762	10.7	41
365	Effect of lateral fin profiles on turbulent flow and heat transfer performance of internally finned tubes. <i>Applied Thermal Engineering</i> , 2009 , 29, 3006-3013	5.8	41
364	Experimental investigations on single-phase heat transfer enhancement with longitudinal vortices in narrow rectangular channel. <i>Nuclear Engineering and Design</i> , 2010 , 240, 92-102	1.8	41
363	Pore-scale investigation of gravity effects on phase change heat transfer characteristics using lattice Boltzmann method. <i>Applied Energy</i> , 2018 , 222, 92-103	10.7	39
362	Computational study of fluid flow and heat transfer in composite packed beds of spheres with low tube to particle diameter ratio. <i>Nuclear Engineering and Design</i> , 2016 , 300, 85-96	1.8	39
361	The impact of temperature on mean local air age and thermal comfort in a stratum ventilated office. <i>Building and Environment</i> , 2011 , 46, 501-510	6.5	39
360	Effect of geometrical parameters on flow and heat transfer performances in multi-stream spiral-wound heat exchangers. <i>Applied Thermal Engineering</i> , 2015 , 89, 1104-1116	5.8	38
359	Thermal-Hydraulic Performance of Different Discontinuous Fins Used in a Printed Circuit Heat Exchanger for Supercritical CO ₂ . <i>Numerical Heat Transfer; Part A: Applications</i> , 2015 , 68, 1067-1086	2.3	38
358	Optimization of thermal performance in thermocline tank thermal energy storage system with the multilayered PCM(s) for CSP tower plants. <i>Applied Energy</i> , 2019 , 243, 175-190	10.7	36
357	Study on heat transfer and pressure drop performances of ribbed channel in the high temperature heat exchanger. <i>Applied Energy</i> , 2012 , 99, 393-401	10.7	36

356	Forced Convection Heat Transfer Enhancement by Porous Pin Fins in Rectangular Channels. <i>Journal of Heat Transfer</i> , 2010 , 132,	1.8	35
355	Experimental study of commercial charcoal as alternative fuel for coke breeze in iron ore sintering process. <i>Energy Conversion and Management</i> , 2016 , 125, 254-263	10.6	35
354	Optimization of inlet part of a microchannel ceramic heat exchanger using surrogate model coupled with genetic algorithm. <i>Energy Conversion and Management</i> , 2017 , 149, 988-996	10.6	34
353	Effect of fin-endwall fillet on thermal hydraulic performance of airfoil printed circuit heat exchanger. <i>Applied Thermal Engineering</i> , 2015 , 89, 1087-1095	5.8	34
352	Numerical investigation of natural convection in an inclined enclosure filled with porous medium under magnetic field. <i>International Journal of Heat and Mass Transfer</i> , 2007 , 50, 3684-3689	4.9	34
351	Sinter strength evaluation using process parameters under different conditions in iron ore sintering process. <i>Applied Thermal Engineering</i> , 2016 , 105, 894-904	5.8	34
350	Waste heat recovery from high-temperature solid granular materials: Energy challenges and opportunities. <i>Renewable and Sustainable Energy Reviews</i> , 2019 , 116, 109428	16.2	33
349	CFD simulation on a thermal power plant with air-cooled heat exchanger system in north China. <i>Engineering Computations</i> , 2008 , 25, 342-365	1.4	33
348	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
347	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
346	Thermal resistance matching for thermoelectric cooling systems. <i>Energy Conversion and Management</i> , 2018 , 169, 186-193	10.6	32
345	Numerical investigation on shell-side performances of combined parallel and serial two shell-pass shell-and-tube heat exchangers with continuous helical baffles. <i>Applied Energy</i> , 2015 , 139, 163-174	10.7	31
344	Numerical investigation on combined single shell-pass shell-and-tube heat exchanger with two-layer continuous helical baffles. <i>International Journal of Heat and Mass Transfer</i> , 2015 , 84, 103-113	4.9	31
343	Dispersion in retentive pillar array columns. <i>Journal of Chromatography A</i> , 2010 , 1217, 1332-42	4.5	31
342	An experimental investigation of density-wave-type oscillations in a convective boiling upflow system. <i>International Journal of Heat and Fluid Flow</i> , 1994 , 15, 241-246	2.4	31
341	Experimental study of the effect of air inlet angle on the air-side performance for cross-flow finned oval-tube heat exchangers. <i>Experimental Thermal and Fluid Science</i> , 2014 , 52, 146-155	3	30
340	Optimization of gaseous fuel injection for saving energy consumption and improving imbalance of heat distribution in iron ore sintering. <i>Applied Energy</i> , 2017 , 207, 230-242	10.7	30
339	Numerical characterization of thermocline behaviour of combined sensible-latent heat storage tank using brick manganese rod structure impregnated with PCM capsules. <i>Solar Energy</i> , 2019 , 180, 243-256	6.8	29

338	Thermal performance analysis of thermocline combined sensible-latent heat storage system using cascaded-layered PCM designs for medium temperature applications. <i>Renewable Energy</i> , 2020 , 152, 684-697	8.1	29
337	Improvements on maldistribution of a high temperature multi-channel compact heat exchanger by different inlet baffles. <i>Energy</i> , 2014 , 75, 104-115	7.9	29
336	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
335	Boiling onset oscillation: a new type of dynamic instability in a forced-convection upflow boiling system. <i>International Journal of Heat and Fluid Flow</i> , 1996 , 17, 418-423	2.4	29
334	Effect of building re-entrant shape on performance of air-cooled condensing units. <i>Energy and Buildings</i> , 2000 , 32, 143-152	7	28
333	DISCUSSION ON NUMERICAL STABILITY AND BOUNDEDNESS OF CONVECTIVE DISCRETIZED SCHEME. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2001 , 40, 343-365	1.3	28
332	Experimental and numerical study on pressure drop and heat transfer performance of grille-sphere composite structured packed bed. <i>Applied Energy</i> , 2018 , 227, 719-730	10.7	28
331	Natural Convection Heat Transfer of Copper/Water Nanofluid in a Square Cavity With Time-Periodic Boundary Temperature. <i>Heat Transfer Engineering</i> , 2014 , 35, 630-640	1.7	27
330	Investigation on pressure drop and heat transfer performances of plate-fin iron air preheater unit with experimental and Genetic Algorithm methods. <i>Applied Energy</i> , 2012 , 92, 725-732	10.7	27
329	Experimental and numerical study of room airflow under stratum ventilation. <i>Building and Environment</i> , 2011 , 46, 235-244	6.5	27
328	Three-dimensional numerical study of natural convection in an inclined porous cavity with time sinusoidal oscillating boundary conditions. <i>International Journal of Heat and Fluid Flow</i> , 2010 , 31, 70-82	2.4	27
327	Experimental study of flow transitions in structured packed beds of spheres with electrochemical technique. <i>Experimental Thermal and Fluid Science</i> , 2015 , 60, 106-114	3	26
326	Heat exchanger network retrofit by a shifted retrofit thermodynamic grid diagram-based model and a two-stage approach. <i>Energy</i> , 2020 , 198, 117338	7.9	26
325	Second-Law Thermodynamic Comparison and Maximal Velocity Ratio Design of Shell-and-Tube Heat Exchangers With Continuous Helical Baffles. <i>Journal of Heat Transfer</i> , 2010 , 132,	1.8	26
324	Numerical Study of Natural Convection Heat Transfer in an Inclined Porous Cavity with Time-Periodic Boundary Conditions. <i>Transport in Porous Media</i> , 2008 , 74, 293-309	3.1	26
323	Experimental and Numerical Study of Turbulent Heat Transfer in Twisted Square Ducts. <i>Journal of Heat Transfer</i> , 2001 , 123, 868-877	1.8	26
322	Design and optimization of a novel high temperature heat exchanger for waste heat cascade recovery from exhaust flue gases. <i>Energy</i> , 2018 , 160, 3-18	7.9	25
321	Experimental investigation of fluid flow and heat transfer in a randomly packed bed of sinter particles. <i>International Journal of Heat and Mass Transfer</i> , 2016 , 99, 589-598	4.9	25

320	Development and characteristics analysis of salt-hydrate based composite sorbent for low-grade thermochemical energy storage. <i>Renewable Energy</i> , 2020 , 157, 920-940	8.1	24
319	Review of two types of surface modification on pool boiling enhancement: Passive and active. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 130, 109926	16.2	24
318	Flow instability and transient flow patterns inside intercrossed silicon microchannel array in a micro-timescale. <i>International Journal of Multiphase Flow</i> , 2006 , 32, 568-592	3.6	24
317	A new evaluation method for overall heat transfer performance of supercritical carbon dioxide in a printed circuit heat exchanger. <i>Energy Conversion and Management</i> , 2019 , 193, 99-105	10.6	23
316	Effects of sealing strips on shell-side flow and heat transfer performance of a heat exchanger with helical baffles. <i>Applied Thermal Engineering</i> , 2014 , 64, 117-128	5.8	23
315	Improvement of heat pattern and sinter strength at high charcoal proportion by applying ultra-lean gaseous fuel injection in iron ore sintering process. <i>Journal of Cleaner Production</i> , 2017 , 161, 1374-1384	10.3	23
314	Experimental study of transition flow in packed beds of spheres with different particle sizes based on electrochemical microelectrodes measurement. <i>Applied Thermal Engineering</i> , 2014 , 73, 1525-1532	5.8	23
313	Numerical study of Indoor Air Quality and thermal comfort under stratum ventilation. <i>Progress in Computational Fluid Dynamics</i> , 2008 , 8, 541	0.7	23
312	Experimental and numerical study on heat transfer and pressure drop performance of Cross-Wavy primary surface channel. <i>Energy Conversion and Management</i> , 2016 , 125, 80-90	10.6	23
311	Investigation of hydrodynamic and heat transfer performances in grille-sphere composite pebble beds with DEM-CFD-Taguchi method. <i>Energy</i> , 2018 , 155, 909-920	7.9	22
310	Thermal performance analysis of flat heat pipe with graded mini-grooves wick. <i>Applied Energy</i> , 2018 , 228, 2129-2139	10.7	22
309	Stress analysis of internally finned bayonet tube in a high temperature heat exchanger. <i>Applied Thermal Engineering</i> , 2012 , 43, 101-108	5.8	22
308	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
307	Experimental Study and Genetic-Algorithm-Based Correlation on Pressure Drop and Heat Transfer Performances of a Cross-Corrugated Primary Surface Heat Exchanger. <i>Journal of Heat Transfer</i> , 2009 , 131,	1.8	22
306	Prediction, parametric analysis and bi-objective optimization of waste heat utilization in sinter cooling bed using evolutionary algorithm. <i>Energy</i> , 2015 , 90, 24-35	7.9	21
305	Evolution of natural convection melting inside cavity heated from different sides using enthalpy based lattice Boltzmann method. <i>International Journal of Heat and Mass Transfer</i> , 2018 , 121, 715-725	4.9	21
304	Investigation on combined multiple shell-pass shell-and-tube heat exchanger with continuous helical baffles. <i>Energy</i> , 2016 , 115, 1572-1579	7.9	21
303	Numerical investigation into the effects of ordered particle packing and slip flow on the performance of chromatography. <i>Journal of Separation Science</i> , 2013 , 36, 1524-9	3.4	21

302	Investigation of a novel bayonet tube high temperature heat exchanger with inner and outer fins. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 3757-3768	6.7	21
301	Optimal design of bi-layer interconnector for SOFC based on CFD-Taguchi method. <i>International Journal of Hydrogen Energy</i> , 2010 , 35, 4292-4300	6.7	21
300	Numerical Simulation of Laminar Film Condensation in a Horizontal Minutube with and Without Non-Condensable Gas by the VOF Method. <i>Numerical Heat Transfer; Part A: Applications</i> , 2015 , 68, 958-977	7.7	20
299	Simulation of thermoelectric-hydraulic performance of a thermoelectric power generator with longitudinal vortex generators. <i>Energy</i> , 2015 , 84, 695-703	7.9	20
298	Natural convection in a square enclosure with an internal isolated vertical plate. <i>Heat and Mass Transfer</i> , 1994 , 29, 161-169		20
297	Numerical study on a novel hyperbolic inlet header in straight-channel printed circuit heat exchanger. <i>Applied Thermal Engineering</i> , 2019 , 146, 805-814	5.8	20
296	Parameter study of transient carbon deposition effect on the performance of a planar solid oxide fuel cell. <i>Applied Energy</i> , 2015 , 152, 217-228	10.7	19
295	Validation of CFD Model for Research into Displacement Ventilation. <i>Architectural Science Review</i> , 2005 , 48, 305-316	2.6	19
294	Developing Laminar Flow and Heat Transfer in Annular-Sector Ducts. <i>Heat Transfer Engineering</i> , 2000 , 21, 53-61	1.7	19
293	Investigation of a double-PCM-based thermoelectric energy-harvesting device using temperature fluctuations in an ambient environment. <i>Energy</i> , 2020 , 202, 117724	7.9	19
292	Recent progress in sustainable and energy-efficient technologies for sinter production in the iron and steel industry. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 131, 110034	16.2	19
291	Numerical investigation of condensation in inclined tube air-cooled condensers. <i>Applied Thermal Engineering</i> , 2017 , 118, 418-429	5.8	18
290	Natural Convection in Triangular Attics Filled with Porous Medium Heated from Below. <i>Numerical Heat Transfer; Part A: Applications</i> , 2013 , 63, 735-754	2.3	18
289	Development and performance investigation of MgSO ₄ /SrCl ₂ composite salt hydrate for mid-low temperature thermochemical heat storage. <i>Solar Energy Materials and Solar Cells</i> , 2020 , 210, 110509	6.4	17
288	Experimental investigation on thermal-hydraulic performance of a novel shell-and-tube heat exchanger with unilateral ladder type helical baffles. <i>Applied Thermal Engineering</i> , 2019 , 161, 114099	5.8	17
287	Performance of SrBr ₂ ·6H ₂ O based seasonal thermochemical heat storage in a novel multilayered sieve reactor. <i>Energy Conversion and Management</i> , 2019 , 198, 111843	10.6	17
286	A porous building approach for modelling flow and heat transfer around and inside an isolated building on night ventilation and thermal mass. <i>Energy</i> , 2017 , 141, 1914-1927	7.9	17
285	Numerical Investigations on the Thermohydraulic Performance of Cross-Wavy Channels with Multi-Periodic Boundary Conditions. <i>Numerical Heat Transfer; Part A: Applications</i> , 2014 , 65, 732-749	2.3	17

284	Influence of Different Rim Widths and Blowing Ratios on Film Cooling Characteristics for a Blade Tip. <i>Journal of Heat Transfer</i> , 2012 , 134,	1.8	17
283	Computational analysis of heat transfer and pressure drop performance for internally finned tubes with three different longitudinal wavy fins. <i>Heat and Mass Transfer</i> , 2008 , 45, 147-156	2.2	17
282	Numerical Investigation of Rarefied Diatomic Gas Flow and Heat Transfer in a Microchannel Using DSMC with Uniform Heat Flux Boundary Condition Part II: Applications. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2007 , 53, 174-187	1.3	17
281	Recent trends on nanofluid heat transfer machine learning research applied to renewable energy. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 138, 110494	16.2	17
280	Molecular dynamics simulation of microstructure evolution and heat dissipation of nanoscale friction. <i>International Journal of Heat and Mass Transfer</i> , 2017 , 109, 293-301	4.9	16
279	Performance comparison of methane steam reforming in a randomly packed bed and a grille-sphere composite packed bed. <i>Energy Conversion and Management</i> , 2019 , 193, 39-51	10.6	16
278	Geometrical Parametric Analysis of Flow and Heat Transfer in the Shell Side of a Spiral-Wound Heat Exchanger. <i>Heat Transfer Engineering</i> , 2015 , 36, 790-805	1.7	16
277	Hydraulic and thermal performances of a novel configuration of high temperature ceramic plate-fin heat exchanger. <i>Applied Energy</i> , 2014 , 113, 589-602	10.7	16
276	Effect of lateral fin profiles on stress performance of internally finned tubes in a high temperature heat exchanger. <i>Applied Thermal Engineering</i> , 2013 , 50, 886-895	5.8	16
275	Natural convection of diamagnetic fluid in an enclosure filled with porous medium under magnetic field. <i>Progress in Computational Fluid Dynamics</i> , 2009 , 9, 77	0.7	16
274	Numerical Investigation of Rarefied Diatomic Gas Flow and Heat Transfer in a Microchannel Using DSMC with Uniform Heat Flux Boundary Condition Part I: Numerical Method and Validation. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2007 , 53, 160-173	1.3	16
273	Numerical investigation of heat transfer and fluid flow characteristics inside a wavy channel. <i>Heat and Mass Transfer</i> , 2007 , 43, 603-611	2.2	16
272	Numerical Investigation of Natural Convection in an Enclosure Filled with Porous Medium Under Magnetic Field. <i>Numerical Heat Transfer; Part A: Applications</i> , 2007 , 52, 959-971	2.3	16
271	Numerical simulation and optimization on heat transfer and fluid flow in cooling channel of liquid rocket engine thrust chamber. <i>Engineering Computations</i> , 2006 , 23, 907-921	1.4	16
270	Experimental study of flow transitions in random packed beds with low tube to particle diameter ratios. <i>Experimental Thermal and Fluid Science</i> , 2015 , 66, 117-126	3	15
269	Analysing thermal-hydraulic performance and energy efficiency of shell-and-tube heat exchangers with longitudinal flow based on experiment and numerical simulation. <i>Energy</i> , 2020 , 202, 117757	7.9	15
268	Thermal and economic evaluation of phase change material volume fraction for thermocline tank used in concentrating solar power plants. <i>Applied Energy</i> , 2020 , 267, 115054	10.7	15
267	CFD simulation and optimization of fluid flow distribution inside printed circuit heat exchanger headers. <i>Numerical Heat Transfer; Part A: Applications</i> , 2016 , 69, 710-726	2.3	15

266	Wavelet analysis on the turbulent flow structure of a T-junction. <i>International Journal of Heat and Fluid Flow</i> , 2018 , 73, 124-142	2.4	15
265	Investigation of thermal radiation effects on solid oxide fuel cell performance by a comprehensive model. <i>Journal of Power Sources</i> , 2012 , 206, 185-196	8.9	15
264	A CFD-Taguchi Combined Method for Numerical Investigation of Natural Convection Cooling Performance of Air-Core Reactor with Noise Reducing Cover. <i>Numerical Heat Transfer; Part A: Applications</i> , 2009 , 55, 1116-1130	2.3	15
263	Effect of Blocked Core-Tube Diameter on Heat Transfer Performance of Internally Longitudinal Finned Tubes. <i>Heat Transfer Engineering</i> , 2008 , 29, 107-115	1.7	15
262	Investigation of Turbulent Flow and Heat Transfer in Periodic Wavy Channel of Internally Finned Tube With Blocked Core Tube. <i>Journal of Heat Transfer</i> , 2008 , 130,	1.8	15
261	Natural Convection Heat Transfer in an Inclined Porous Cavity under Time-Periodic Boundary Conditions with Positive/Negative Inclined Angles. <i>Journal of Porous Media</i> , 2008 , 11, 541-555	2.9	15
260	Numerical simulation of the mixing behaviour of hot and cold fluids in the rectangular T-junction with/without an impeller. <i>Applied Thermal Engineering</i> , 2022 , 204, 117942	5.8	15
259	Technologies and fundamentals of waste heat recovery from high-temperature solid granular materials. <i>Applied Thermal Engineering</i> , 2020 , 179, 115703	5.8	15
258	Thermoelectric effect and temperature-gradient-driven electrokinetic flow of electrolyte solutions in charged nanocapillaries. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 143, 118569	4.9	14
257	Dynamic modelling and transient characteristics of supercritical CO2 recompression Brayton cycle. <i>Energy</i> , 2019 , 180, 292-302	7.9	14
256	Mean pressure distributions around a circular cylinder in the branch of a T-junction with/without vanes. <i>Applied Thermal Engineering</i> , 2015 , 88, 82-93	5.8	14
255	Experimental Investigation of Heat Transfer and Resistance Characteristics of a Finned Oval-Tube Heat Exchanger With Different Air Inlet Angles. <i>Heat Transfer Engineering</i> , 2014 , 35, 703-710	1.7	14
254	On identical problems of natural convection in enclosures and applications of the identity character. <i>Journal of Thermal Science</i> , 1993 , 2, 116-125	1.9	14
253	Long-term investment and maintenance planning for heat exchanger network retrofit. <i>Applied Energy</i> , 2020 , 279, 115713	10.7	14
252	Recent Advances in the Analysis of Sustainable Energy Systems. <i>Energies</i> , 2018 , 11, 2520	3.1	14
251	Large eddy simulation of flow and heat transfer past two side-by-side spheres. <i>Applied Thermal Engineering</i> , 2017 , 121, 810-819	5.8	13
250	Effect of non-condensable gas on laminar film condensation of steam in horizontal minichannels with different cross-sectional shapes. <i>International Communications in Heat and Mass Transfer</i> , 2016 , 70, 127-131	5.8	13
249	Simulation of rarefied gas flow and heat transfer in microchannels. <i>Science in China Series D: Earth Sciences</i> , 2002 , 45, 321		13

248	EXPERIMENTAL AND NUMERICAL STUDIES ON SHELL-SIDE PERFORMANCE OF THREE DIFFERENT SHELL-AND-TUBE HEAT EXCHANGERS WITH HELICAL BAFFLES. <i>Journal of Enhanced Heat Transfer</i> , 2011 , 18, 449-463	1.7	13
247	Numerical study on gravity-driven granular flow around tube out-wall: Effect of tube inclination on the heat transfer. <i>International Journal of Heat and Mass Transfer</i> , 2021 , 174, 121296	4.9	13
246	Numerical investigation on band-broadening characteristics of an ordered packed bed with novel particles. <i>Applied Energy</i> , 2017 , 185, 2168-2180	10.7	12
245	Investigation on the flow noise propagation mechanism in pipelines of shell-and-tube heat exchangers based on synergy principle of flow and sound fields. <i>Applied Thermal Engineering</i> , 2017 , 122, 339-349	5.8	12
244	Numerical investigation on local thermal characteristics of printed circuit heat exchanger for natural gas liquefaction. <i>Energy Procedia</i> , 2019 , 158, 5408-5413	2.3	12
243	CFD modeling and simulation of sulfur trioxide decomposition in ceramic plate-fin high temperature heat exchanger and decomposer. <i>International Journal of Heat and Mass Transfer</i> , 2015 , 80, 329-343	4.9	12
242	Numerical study of heat transfer in gravity-driven dense particle flow around a hexagonal tube. <i>Powder Technology</i> , 2020 , 367, 285-295	5.2	12
241	A three-dimensional pore-scale lattice Boltzmann model for investigating the supergravity effects on charging process. <i>Applied Energy</i> , 2019 , 254, 113507	10.7	12
240	Sustainable energy technologies and environmental impacts of energy systems. <i>Applied Energy</i> , 2019 , 256, 113919	10.7	12
239	Effect of bi-layer interconnector design on mass transfer performance in porous anode of solid oxide fuel cells. <i>International Journal of Heat and Mass Transfer</i> , 2011 , 54, 1994-2003	4.9	12
238	Recent Advances in Technology, Strategy and Application of Sustainable Energy Systems. <i>Energies</i> , 2020 , 13, 5229	3.1	12
237	Study on chemical spray etching of stainless steel for printed circuit heat exchanger channels. <i>Nuclear Engineering and Design</i> , 2019 , 341, 91-99	1.8	12
236	Thermo-Hydraulic Performance of Printed Circuit Heat Exchanger With Different Cambered Airfoil Fins. <i>Heat Transfer Engineering</i> , 2020 , 41, 708-722	1.7	12
235	Energy Storage of Low Potential Heat using Lithium Hydroxide Based Sorbent for Domestic Heat Supply. <i>Journal of Cleaner Production</i> , 2021 , 285, 124907	10.3	12
234	Investigation on evaluation criteria of axial wall heat conduction under two classical thermal boundary conditions. <i>Applied Energy</i> , 2016 , 162, 1662-1669	10.7	11
233	Performance analysis of consolidated sorbent based closed thermochemical energy storage reactor for environmental sustainability. <i>Journal of Cleaner Production</i> , 2020 , 265, 121821	10.3	11
232	Numerical study on small-scale longitudinal heat conduction in cross-wavy primary surface heat exchanger. <i>Applied Thermal Engineering</i> , 2015 , 76, 272-282	5.8	11
231	Study on thermal resistance distribution and local heat transfer enhancement method for SCO ₂ water heat exchange process near pseudo-critical temperature. <i>International Journal of Heat and Mass Transfer</i> , 2015 , 82, 179-188	4.9	11

230	Heat-flux-specified boundary treatment for gas flow and heat transfer in microchannel using direct simulation Monte Carlo method. <i>International Journal for Numerical Methods in Engineering</i> , 2008 , 74, 1109-1127	2.4	11
229	Numerical investigation of tube oscillation in gravity-driven granular flow with heat transfer by discrete element method. <i>Energy</i> , 2020 , 207, 118203	7.9	11
228	Experimental study of forced convective heat transfer in grille-particle composite packed beds. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 129, 103-112	4.9	11
227	Experimental study on the heat transfer performance of a gallium heat sink. <i>Energy Conversion and Management</i> , 2020 , 213, 112853	10.6	10
226	Numerical study on thermo-hydraulic performance of an offset-bubble primary surface channels. <i>Applied Thermal Engineering</i> , 2013 , 61, 44-52	5.8	10
225	An improved numerical algorithm for solution of convective heat transfer problems on nonstaggered grid system. <i>Heat and Mass Transfer</i> , 1998 , 33, 273-280	2.2	10
224	Upward Heat Flux Through the Horizontal Fluid Layer of Water with Sinusoidal Wall Temperature at the Top or Bottom Boundary. <i>Numerical Heat Transfer; Part A: Applications</i> , 2007 , 52, 817-829	2.3	10
223	Pore-scale investigation on effects of void cavity distribution on melting of composite phase change materials. <i>Applied Energy</i> , 2020 , 275, 115302	10.7	9
222	Three-Dimensional Numerical Analysis of Turbulent Flow in Porous Media Formed by Periodic Arrays of Cubic, Spherical, or Ellipsoidal Particles. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2014 , 136,	2.1	9
221	Mean Pressure Distributions on the Vanes and Flow Loss in the Branch in a T Pipe Junction with Different Angles. <i>Energy Procedia</i> , 2017 , 105, 3239-3244	2.3	9
220	Thermo-hydraulic Characterization of the Smooth Wavy Fin-and-elliptical Tube Heat Exchangers Using New Type Vortex Generators. <i>Energy Procedia</i> , 2014 , 61, 2343-2346	2.3	9
219	In-Situ Capillary Trapping of CO ₂ by Co-Injection. <i>Transport in Porous Media</i> , 2011 , 90, 575-587	3.1	9
218	Transient heat flux measurement of natural convection in an inclined enclosure with time-periodically-varying wall temperature. <i>Experimental Thermal and Fluid Science</i> , 2011 , 35, 105-111	3	9
217	Uni-directional heat flux through the horizontal fluid layer with sinusoidal wall temperature at the top or bottom boundaries. <i>International Journal of Heat and Mass Transfer</i> , 2008 , 51, 1675-1682	4.9	9
216	DSMC simulation of low-speed gas flow and heat transfer in 2D rectangular micro-channel. <i>Progress in Computational Fluid Dynamics</i> , 2005 , 5, 230	0.7	9
215	Characterisation and sorption behaviour of LiOH-LiCl@EG composite sorbents for thermochemical energy storage with controllable thermal upgradeability. <i>Chemical Engineering Journal</i> , 2021 , 421, 129586	14.7	9
214	Toward an Efficient and Sustainable Use of Energy in Industries and Cities. <i>Energies</i> , 2019 , 12, 3150	3.1	8
213	Mass transfer enhancement of a spiral-like interconnector for planar solid oxide fuel cells. <i>Applied Energy</i> , 2015 , 160, 954-964	10.7	8

212	Numerical Study of Heat Transfer in Gravity-Driven Particle Flow around Tubes with Different Shapes. <i>Energies</i> , 2020 , 13, 1961	3.1	8
211	Performance enhancement of cabinet cooling system by utilizing cross-flow plate heat exchanger. <i>Energy Conversion and Management</i> , 2020 , 213, 112854	10.6	8
210	Two-Dimensional Chemical Etching Process Simulation for Printed Circuit Heat Exchanger Channels Based on Cellular Automata Model. <i>Heat Transfer Engineering</i> , 2018 , 39, 617-629	1.7	8
209	Simulation of the printed circuit heat exchanger for S-CO ₂ by segmented methods. <i>Energy Procedia</i> , 2017 , 142, 4098-4103	2.3	8
208	A simple method for predicting bulk temperature from tube wall temperature with uniform outside wall heat flux. <i>International Communications in Heat and Mass Transfer</i> , 2012 , 39, 582-586	5.8	8
207	Performance comparison between mixing ventilation and displacement ventilation with and without cooled ceiling. <i>Engineering Computations</i> , 2006 , 23, 218-237	1.4	8
206	Flow analysis of condenser cooling air delivery via building light well. <i>Applied Thermal Engineering</i> , 2001 , 21, 831-843	5.8	8
205	Electrokinetic power generation in conical nanochannels: regulation effects due to conicity. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 2386-2398	3.6	8
204	Transient numerical modeling and model predictive control of an industrial-scale steam methane reforming reactor. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 15241-15256	6.7	8
203	Experimental Study of Forced Convective Heat Transfer in Packed Beds With Uniform and Non-Uniform Spheres. <i>Heat Transfer Engineering</i> , 2020 , 41, 351-360	1.7	8
202	Stefan Blowing Impacts on Unsteady MHD Flow of Nanofluid over a Stretching Sheet with Electric Field, Thermal Radiation and Activation Energy. <i>Coatings</i> , 2021 , 11, 1048	2.9	8
201	Experimental investigation on steam flow condensation in the presence of noncondensable gas inside horizontal multi-head spiral channels. <i>Experimental Thermal and Fluid Science</i> , 2016 , 70, 155-165	3	7
200	Numerical analysis on performances of shell side in segmental baffles, helical baffles and novel clamping anti-vibration baffles with square twisted tubes shell and tube heat exchangers. <i>Energy Procedia</i> , 2019 , 158, 5770-5775	2.3	7
199	Numerical study of heat transfer in underground power cable system. <i>Energy Procedia</i> , 2019 , 158, 5317-5322	3.2	7
198	Prediction of flow maldistribution in printed circuit heat exchanger. <i>International Journal of Heat and Mass Transfer</i> , 2020 , 152, 119560	4.9	7
197	Numerical study on effect of gap width of narrow rectangular channel on critical heat flux enhancement. <i>Nuclear Engineering and Design</i> , 2009 , 239, 320-326	1.8	7
196	Numerical Investigation of Combined Effects of Rarefaction and Compressibility for Gas Flow in Microchannels and Microtubes. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2009 , 131,	2.1	7
195	Numerical Analysis of Heat and Mass Transfer Coupled With Gaseous Fuel Injection in Reactive Porous Media. <i>Journal of Heat Transfer</i> , 2019 , 141,	1.8	7

194	Salt hydrate-based gas-solid thermochemical energy storage: Current progress, challenges, and perspectives. <i>Renewable and Sustainable Energy Reviews</i> , 2022 , 154, 111846	16.2	7
193	New insights into the effects of methane and oxygen on heat/mass transfer in reactive porous media. <i>International Communications in Heat and Mass Transfer</i> , 2021 , 129, 105652	5.8	7
192	Experimental Study on Small Scale Printed Circuit Heat Exchanger with Zigzag Channels. <i>Heat Transfer Engineering</i> , 2021 , 42, 723-735	1.7	7
191	Numerical investigation of mist/air impingement cooling on ribbed blade leading-edge surface. <i>Journal of Environmental Management</i> , 2017 , 203, 1062-1071	7.9	6
190	Numerical study and optimization of thermoelectric-hydraulic performance of a novel thermoelectric generator integrated recuperator. <i>Energy</i> , 2019 , 174, 1176-1187	7.9	6
189	Predictive model of solute transport with reversible adsorption in spatially periodic hierarchical porous media. <i>Journal of Chromatography A</i> , 2015 , 1407, 69-75	4.5	6
188	Film cooling effects on the tip flow characteristics of a gas turbine blade. <i>Propulsion and Power Research</i> , 2015 , 4, 9-22	3.6	6
187	Experimental investigation on paraffin melting in high porosity copper foam under centrifugal accelerations. <i>Applied Thermal Engineering</i> , 2020 , 178, 115504	5.8	6
186	Experimental study on electrochemical etching for titanium printed circuit heat exchanger channels. <i>Journal of Materials Processing Technology</i> , 2020 , 282, 116669	5.3	6
185	Confinement Effect of Graphene Interface on Phase Transition of -Eicosane: Molecular Dynamics Simulations. <i>Langmuir</i> , 2020 , 36, 8422-8434	4	6
184	Numerical Modeling of Bayonet-Type Heat Exchanger and Decomposer for the Decomposition of Sulfuric Acid to Sulfur Dioxide. <i>Heat Transfer Engineering</i> , 2014 , 35, 589-599	1.7	6
183	Spray Etching Rate Development of Stainless Steel in the Etchant for Printed Circuit Heat Exchanger Channels. <i>Energy Procedia</i> , 2017 , 105, 4828-4835	2.3	6
182	The convective heat transfer characteristics on outside surface of vehicle brake disc. <i>International Journal of Thermal Sciences</i> , 2017 , 120, 366-376	4.1	6
181	Computational Study of Chromatography Performance in Ordered Packed Beds with Spherical or Ellipsoidal Particles. <i>Energy Procedia</i> , 2015 , 75, 3322-3327	2.3	6
180	Laminar heat transfer characteristics of internally finned tube with sinusoidal wavy fin. <i>Heat and Mass Transfer</i> , 2011 , 47, 641-653	2.2	6
179	Numerical Studies of a Novel Combined Multiple Shell-Pass Shell-and-Tube Heat Exchanger With Helical Baffles 2008 ,		6
178	A review on thermoelectric-hydraulic performance and heat transfer enhancement technologies of thermoelectric power generator system. <i>Thermal Science</i> , 2018 , 22, 1885-1903	1.2	6
177	Thermal management evaluation of Li-ion battery employing multiple phase change materials integrated thin heat sinks for hybrid electric vehicles. <i>Journal of Power Sources</i> , 2021 , 516, 230680	8.9	6

176	A simplified finite volume method for effective thermal conductivity in discrete particles. <i>Powder Technology</i> , 2020 , 375, 521-532	5.2	6
175	3D fluid-structure interaction (FSI) simulation of new type vortex generators in smooth wavy fin-and-elliptical tube heat exchanger. <i>Engineering Computations</i> , 2016 , 33, 2504-2529	1.4	6
174	A Numerical Study of Small-Scale Longitudinal Heat Conduction in Plate Heat Exchangers. <i>Energies</i> , 2018 , 11, 1727	3.1	6
173	Parametric study of thermoelectric power generators under large temperature difference conditions. <i>Applied Thermal Engineering</i> , 2018 , 144, 647-657	5.8	6
172	Improvement and Validation of Genetic Programming Symbolic Regression Technique of Silva and Applications in Deriving Heat Transfer Correlations. <i>Heat Transfer Engineering</i> , 2016 , 37, 862-874	1.7	5
171	Numerical investigation of heat transfer for elliptical tube in granular flow using DEM. <i>Energy Procedia</i> , 2019 , 158, 5504-5509	2.3	5
170	Effect of supergravity on heat transfer characteristics of PCM with the pore-scale lattice Boltzmann method. <i>Energy Procedia</i> , 2019 , 158, 4641-4647	2.3	5
169	On the optimal heat source location of partially heated energy storage process using the newly developed simplified enthalpy based lattice Boltzmann method. <i>Applied Energy</i> , 2020 , 275, 115387	10.7	5
168	Numerical Simulation of Flow and Heat Transfer in Structured Packed Beds with Smooth or Dimpled Spheres at Low Channel to Particle Diameter Ratio. <i>Energies</i> , 2018 , 11, 937	3.1	5
167	Theoretical tools for predicting optimal cross-sectional shapes in micro-gas chromatography. <i>Journal of Separation Science</i> , 2013 , 36, 1537-44	3.4	5
166	Numerical study on thermal-hydraulic performance of a two-sided etched zigzag-type high-temperature printed circuit heat exchanger. <i>Energy Procedia</i> , 2017 , 142, 3950-3955	2.3	5
165	Electrical Performance and Carbon Deposition Differences between the Bi-Layer Interconnector and Conventional Straight Interconnector Solid Oxide Fuel Cell. <i>Energies</i> , 2014 , 7, 4601-4613	3.1	5
164	Numerical simulation and comparison of turbulent heat transfer in supercritical and subcritical water. <i>Progress in Computational Fluid Dynamics</i> , 2013 , 13, 141	0.7	5
163	Experimental study of capillary trapping on the pore scale for various sandstone cores. <i>Energy Procedia</i> , 2011 , 4, 5017-5023	2.3	5
162	Performance Comparison of Particle Swarm Optimization and Genetic Algorithm in Rolling Fin-Tube Heat Exchanger Optimization Design 2008 ,		5
161	Experimental and numerical study of developing turbulent flow and heat transfer in convergent/divergent square ducts. <i>Heat and Mass Transfer</i> , 2002 , 38, 399-408	2.2	5
160	Numerical Simulation of Gas Flow and Heat Transfer in Cross-Wavy Primary Surface Channel for Microturbine Recuperators 2005 , 321		5
159	An experimental investigation on air-side performances of finned tube heat exchangers for indirect air-cooling tower. <i>Thermal Science</i> , 2014 , 18, 863-874	1.2	5

158	Numerical investigation of heat resistances in uniform dense granular flows along a vertical plate. <i>Powder Technology</i> , 2021 , 385, 396-408	5.2	5
157	A target-evaluation method for heat exchanger network optimisation with heat transfer enhancement. <i>Energy Conversion and Management</i> , 2021 , 238, 114154	10.6	5
156	Comparison of Heat Transfer in Gravity-Driven Granular Flow near Different Surfaces. <i>Journal of Thermal Science</i> , 2021 , 30, 441-450	1.9	5
155	Numerical analysis on the improved thermo-chemical behaviour of hierarchical energy materials as a cascaded thermal accumulator. <i>Energy</i> , 2021 , 232, 120937	7.9	5
154	Numerical investigation of the melting temperature effect on the performance of thermocline thermal energy storage tank for CSP. <i>Energy Procedia</i> , 2019 , 158, 4715-4720	2.3	4
153	Lattice Boltzmann simulation for melting control through an extra magnetic quadrupole field. <i>Numerical Heat Transfer; Part A: Applications</i> , 2019 , 75, 254-270	2.3	4
152	Experimental thermal-hydraulic performances of heat exchangers with different baffle patterns. <i>Energy</i> , 2020 , 205, 118066	7.9	4
151	Condensation heat transfer characteristic of high-speed steam/nitrogen mixture in horizontal rectangular channel. <i>Experimental Thermal and Fluid Science</i> , 2016 , 78, 292-300	3	4
150	Numerical study on nonuniform segmented enhancement method for thermoelectric power generator. <i>Numerical Heat Transfer; Part A: Applications</i> , 2019 , 76, 605-627	2.3	4
149	Investigation of gravity effect on phase change heat transfer using the lattice Boltzmann method. <i>Energy Procedia</i> , 2017 , 142, 3902-3907	2.3	4
148	THE BEHAVIOR OF MICROSCALED BROWNIAN PARTICLES IN A CYLINDER UNDER NATURAL-AND MAGNETIC-CONVECTION FLOW FIELD OF AIR. <i>Numerical Heat Transfer; Part A: Applications</i> , 2005 , 47, 353-373	2.3	4
147	Solar-thermal energy conversion prediction of building envelope using thermochemical sorbent based on established reaction kinetics. <i>Energy Conversion and Management</i> , 2022 , 252, 115117	10.6	4
146	EXPERIMENTAL INVESTIGATION OF AXIAL HEAT TRANSFER AND ENTRANCE EFFECT IN RANDOMLY PACKED BEDS BY A NAPHTHALENE SUBLIMATION TECHNIQUE. <i>Heat Transfer Research</i> , 2018 , 49, 235-253	3.9	4
145	Experimental investigation of V-gutter flameholders. <i>Thermal Science</i> , 2017 , 21, 1011-1019	1.2	4
144	Recent advancement and enhanced battery performance using phase change materials based hybrid battery thermal management for electric vehicles. <i>Renewable and Sustainable Energy Reviews</i> , 2022 , 154, 111759	16.2	4
143	Thermal-hydraulic characteristic of short-length self-rotating twisted tapes in a circular tube. <i>International Communications in Heat and Mass Transfer</i> , 2021 , 122, 105157	5.8	4
142	Comparison of aerodynamic noise and heat transfer for shell-and-tube heat exchangers with continuous helical and segmental baffles. <i>Applied Thermal Engineering</i> , 2021 , 185, 116341	5.8	4
141	Thermal-hydraulic characteristics of printed circuit heat exchanger used for floating natural gas liquefaction. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 137, 110606	16.2	4

140	Hydraulic and heat transfer characteristics in structured packed beds with methane steam reforming reaction for energy storage. <i>International Communications in Heat and Mass Transfer</i> , 2021 , 121, 105109	5.8	4
139	Transient characteristics of electric double layer charging and the associated induced-charge electrokinetic flow. <i>Physics of Fluids</i> , 2018 , 30, 122005	4.4	4
138	Design and optimization of an annular air-hydrogen precooler for advanced space launchers engines. <i>Energy Conversion and Management</i> , 2021 , 241, 114279	10.6	4
137	Nonuniform metal foam design and pore-scale analysis of a tilted composite phase change material system for photovoltaics thermal management. <i>Applied Energy</i> , 2021 , 298, 117203	10.7	4
136	Investigation of Effective Thermal Conductivity for Ordered and Randomly Packed Bed with Thermal Resistance Network Method. <i>Energies</i> , 2019 , 12, 1666	3.1	3
135	Integration of Genetic Programming With Genetic Algorithm for Correlating Heat Transfer Problems. <i>Journal of Heat Transfer</i> , 2015 , 137,	1.8	3
134	An empirical correlation of the longitudinal and transverse dispersion coefficients for flow through random particle packs. <i>Chemical Engineering Science</i> , 2015 , 137, 541-547	4.4	3
133	Experimental study of mass transfer and flow transition in simple cubic packings with the electrochemical technique. <i>Electrochimica Acta</i> , 2015 , 177, 370-376	6.7	3
132	A network model and numerical simulations of flow distributions in packed bed reactors with different packing structures. <i>Applied Thermal Engineering</i> , 2020 , 172, 115141	5.8	3
131	Effect of temperature difference on the thermal mixing phenomenon in a T-junction under inflow pulsation. <i>Nuclear Engineering and Design</i> , 2020 , 363, 110611	1.8	3
130	Numerical Study of Forced Convective Heat Transfer in Structured Packed Beds of Dimple-Particles. <i>Heat Transfer Engineering</i> , 2018 , 39, 1582-1592	1.7	3
129	Adsorption behaviour of NaCl solution on the surface of MgO: a molecular dynamics study. <i>Molecular Physics</i> , 2019 , 117, 267-279	1.7	3
128	Numerical analysis of steady state and transient analysis of high temperature ceramic plate-fin heat exchanger. <i>Nuclear Engineering and Design</i> , 2014 , 277, 76-94	1.8	3
127	Investigation on the effect of the thermal dynamic, evaporation, and alternative material properties in a laser melt pool with a developed 2D model based on the VOSET method. <i>Numerical Heat Transfer; Part A: Applications</i> , 2017 , 71, 1104-1122	2.3	3
126	Numerical investigation of sinter cooling process in sinter cooler 2013 ,		3
125	Experimental and Numerical Studies of Shell-and-Tube Heat Exchangers With Helical Baffles 2009 ,		3
124	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
123	Experimental investigation and artificial intelligent estimation of thermal conductivity of nanofluids with different nanoparticles shapes. <i>Powder Technology</i> , 2022 , 398, 117078	5.2	3

122	Controlling effect of phase change material based heat exchanger on supercritical CO ₂ Brayton cycle. <i>Journal of Cleaner Production</i> , 2020 , 277, 122994	10.3	3
121	Large eddy simulation of flow and mixing characteristics in a T-junction under inflow pulsation. <i>Applied Thermal Engineering</i> , 2020 , 181, 115924	5.8	3
120	Experimental Investigation of Shell-Side Performance and Optimal Design of Shell-and-Tube Heat Exchanger with Different Flower Baffles. <i>Heat Transfer Engineering</i> , 2021 , 42, 613-626	1.7	3
119	An exact solution of the nonlinear Poisson-Boltzmann equation in parallel-plate geometry. <i>Colloid and Polymer Science</i> , 2018 , 296, 1917-1923	2.4	3
118	Cycle cut-off criterion effect on the performance of cascaded, sensible, combined sensible-latent heat storage tank for concentrating solar power plants. <i>Energy</i> , 2021 , 230, 120771	7.9	3
117	Pore-scale analysis on selection of composite phase change materials for photovoltaic thermal management. <i>Applied Energy</i> , 2021 , 302, 117558	10.7	3
116	Numerical investigation of a new type tube for shell-and-tube moving packed bed heat exchanger. <i>Powder Technology</i> , 2021 , 394, 584-596	5.2	3
115	Study on Thermoelectric-hydraulic Performance of Longitudinal Vortex Generators in a Large-scale Thermoelectric Power Generator. <i>Energy Procedia</i> , 2015 , 75, 639-644	2.3	2
114	Probability density function of velocity fluctuations in a rectangular T-junction duct. <i>Journal of Turbulence</i> , 2018 , 19, 621-646	2.1	2
113	Study on high-speed condensation heat transfer of steam/nitrogen mixture in horizontal rectangular channel. <i>Experimental Thermal and Fluid Science</i> , 2018 , 98, 267-277	3	2
112	Modeling and optimizing of anode-supported solid oxide fuel cells with gradient anode: Part II. Optimization and discussion. <i>Numerical Heat Transfer; Part A: Applications</i> , 2019 , 76, 949-966	2.3	2
111	System Design and Thermodynamic Analysis of a Sintering-driven Organic Rankine Cycle. <i>Energy Procedia</i> , 2017 , 105, 1467-1472	2.3	2
110	Sintering process simulation of a solid oxide fuel cell anode and its predicted thermophysical properties. <i>Applied Thermal Engineering</i> , 2017 , 125, 209-219	5.8	2
109	Probability Density Function of Streamwise Velocity Fluctuation in Turbulent T-junction Flows. <i>Energy Procedia</i> , 2017 , 105, 5005-5010	2.3	2
108	Experimental Study of Convective Heat Transfer in Grille-sphere Composite Structured Packed Bed. <i>Energy Procedia</i> , 2017 , 105, 4782-4787	2.3	2
107	Investigation on the flow noise propagation mechanism in simple expansion pipelines based on synergy principle of flow and sound fields. <i>Energy Procedia</i> , 2017 , 142, 3870-3875	2.3	2
106	Theoretical analysis of flat heat pipe with graded-porosity wick design. <i>Energy Procedia</i> , 2017 , 142, 3932-3938	2.3	2
105	Thermal Performance Prediction and Optimization of Heat Exchangers by Artificial Intelligence Techniques 2015 , 1-46		2

104	Robust multi-objective optimization of state feedback controllers for heat exchanger system with probabilistic uncertainty 2013 ,		2
103	A Simplified CFD Model With Multi-Periodic Boundary Conditions for Cross Wavy Channels 2011 ,		2
102	Numerical Study of Internally Finned Bayonet Tubes in a High Temperature Bayonet Tube Heat Exchanger With Inner and Outer Fins 2010 ,		2
101	Theoretical Analysis on Film Thickness of Intertube Falling-Film Flow With a Countercurrent Gas Flow 2011 ,		2
100	CFD Optimization of Gas-Side Flow Channel Configuration Inside a High Temperature Bayonet Tube Heat Exchanger With Inner and Outer fins. <i>Journal of Engineering for Gas Turbines and Power</i> , 2011 , 133,	1.7	2
99	Numerical research on influence of different slot configurations on film cooling characteristics. <i>Progress in Computational Fluid Dynamics</i> , 2008 , 8, 518	0.7	2
98	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
97	Three-Dimensional Turbulent Flow in the Exit Head Section of a Heat Exchanger. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2004 , 126, 72-80	2.1	2
96	The behaviour of a water droplet in a flow field of natural convection in a cubic enclosure with magnetic field. <i>Progress in Computational Fluid Dynamics</i> , 2005 , 5, 271	0.7	2
95	Numerical simulation of turbulent flow and heat transfer in multi-channel, narrow-gap fuel element. <i>Engineering Computations</i> , 2002 , 19, 327-345	1.4	2
94	NUMERICAL INVESTIGATION OF COMBINED PARALLEL TWO SHELL-PASS SHELL-AND-TUBE HEAT EXCHANGERS WITH CONTINUOUS HELICAL BAFFLES. <i>Heat Transfer Research</i> , 2016 , 47, 575-595	3.9	2
93	Heat transfer prediction of granular flow in moving bed heat exchanger: Characteristics of heat transfer enhancement and dynamic control. <i>Solar Energy</i> , 2021 , 230, 1052-1069	6.8	2
92	Recent Patents in Shell-and-Tube Heat Exchangers with Helical Baffles. <i>Recent Patents on Mechanical Engineering</i> , 2010 , 1, 88-95	0.3	2
91	Charging time and energy storage rate analysis of fin effect inside the horizontal tube for thermal energy storage. <i>Journal of Cleaner Production</i> , 2020 , 273, 123030	10.3	2
90	Modeling the mushy zone during the melting process under Neumann boundary condition using the improved enthalpy-porosity method. <i>Numerical Heat Transfer; Part A: Applications</i> , 2020 , 78, 423-442 ²⁻³		2
89	Numerical Investigations of Film Cooling and Particle Impact on the Blade Leading Edge. <i>Energies</i> , 2021 , 14, 1102	3.1	2
88	Force Analysis of a Circular Cylinder at Ununiformed Flow in a T Pipe Junction. <i>Energies</i> , 2018 , 11, 864	3.1	2
87	Numerical Investigation on Two-Phase Flow Heat Transfer Performance and Instability with Discrete Heat Sources in Parallel Channels. <i>Energies</i> , 2021 , 14, 4408	3.1	2

86	Thermal and mechanical performance of a hybrid printed circuit heat exchanger used for supercritical carbon dioxide Brayton cycle. <i>Energy Conversion and Management</i> , 2021 , 245, 114573	10.6	2
85	Supercritical CO2 Brayton cycle at different heat source temperatures and its analysis under leakage and disturbance conditions. <i>Energy</i> , 2021 , 237, 121610	7.9	2
84	Numerical Simulation of Erosion Wear for Continuous Elbows in Different Directions. <i>Energies</i> , 2022 , 15, 1901	3.1	2
83	Experimental investigation on heat transfer performance based on average thermal-resistance ratio for supercritical carbon dioxide in asymmetric airfoil-fin printed circuit heat exchanger. <i>Energy</i> , 2022 , 124164	7.9	2
82	Visualization Study on the Methane Segregation Injection Technology in Iron Ore Sintering Process. <i>Energy Procedia</i> , 2017 , 105, 1461-1466	2.3	1
81	Molecular dynamics simulation of interfaces and microstructure evolution during high-speed sliding. <i>Numerical Heat Transfer; Part A: Applications</i> , 2017 , 72, 519-535	2.3	1
80	Coupling ENTU method for thermal design of heat exchanger in cabinet cooling system. <i>Applied Thermal Engineering</i> , 2019 , 159, 113972	5.8	1
79	Numerical Comparison of Thermohydraulic Performance and Fluid-Induced Vibrations for STHXs with Segmental, Helical, and Novel Clamping Antivibration Baffles. <i>Energies</i> , 2019 , 12, 540	3.1	1
78	Numerical Simulation of Turbulent Flow on a High-Speed Crossflow Blowing over Array Slots with Weak Injection. <i>Energy Procedia</i> , 2015 , 75, 1734-1739	2.3	1
77	Assessment of flow pattern and temperature profiles by residence time distribution in typical structured packed beds. <i>Numerical Heat Transfer; Part A: Applications</i> , 2020 , 77, 559-578	2.3	1
76	A New Phase Transition Heat Exchanger for Gas Water Heaters. <i>Inventions</i> , 2018 , 3, 37	2.9	1
75	Modeling and optimizing of anode-supported solid oxide fuel cells with gradient anode: Part I. Model description and validation by experiments. <i>Numerical Heat Transfer; Part A: Applications</i> , 2019 , 76, 925-948	2.3	1
74	Comparative analysis of chromatography dynamic models in predicting the plate height contributed by interphase mass transfer. <i>Chemical Engineering Science</i> , 2013 , 104, 760-766	4.4	1
73	Optimization Design of Refuse-Incinerating Power Plant With Air-Cooled Heat Exchanger. <i>Heat Transfer Engineering</i> , 2014 , 35, 711-720	1.7	1
72	Numerical Study on Mass Transfer Performance of a Spiral-like Interconnector for Planar Solid Oxide Fuel Cells. <i>Energy Procedia</i> , 2014 , 61, 2347-2350	2.3	1
71	Numerical Study on Thermo-Hydraulic Performance in the Shell Side of Spiral-Wound Heat Exchanger 2013 ,		1
70	Numerical Study of the Effects of Different Buoyancy Models on Supercritical Flow and Heat Transfer 2013 ,		1
69	Numerical simulation of unsteady 3D air-water turbulent flow in a water cannon. <i>Progress in Computational Fluid Dynamics</i> , 2011 , 11, 189	0.7	1

68	Experimental Investigation of Thermal and Hydrodynamic Performances of a Partial Cross-Wavy Recuperator for Microturbine Applications 2012 ,		1
67	The Influence of Rotating Speed on Film Cooling Characteristics on GE-E3 Blade Tip With Different Tip Configurations 2009 ,		1
66	Thermal Design of a High Temperature Bayonet Tube Heat Exchanger With Inner and Outer Fins 2009 ,		1
65	Film Cooling From a Row of Holes With Both Ends Embedded in Transverse Slots 2008 ,		1
64	Numerical Study on Forced Convective Heat Transfer in Porous Pin Fin Channels 2008 ,		1
63	Evaluation of Energy Efficiency for a CCHP System With Available Microturbine 2007 , 969		1
62	Numerical computation for clustering of carbon particles with various sizes under both natural and magnetizing convections. <i>Chemical Engineering Science</i> , 2005 , 60, 5105-5117	4.4	1
61	The Behavior of Diamagnetic Brownian Particles in the Presence of a Gradient Magnetic Field. <i>Journal of Chemical Engineering of Japan</i> , 2005 , 38, 24-33	0.8	1
60	An extended Teorell-Meyer-Sievers theory for membrane potential under non-isothermal conditions. <i>Journal of Membrane Science</i> , 2022 , 643, 120073	9.6	1
59	Numerical simulation and circuit network modelling of flow distributions in 2-D array configurations. <i>Thermal Science</i> , 2018 , 22, 1987-1998	1.2	1
58	CFD prediction of heat/mass transfer in multi-layer sintering process assisted with gaseous fuel injection. <i>International Communications in Heat and Mass Transfer</i> , 2021 , 128, 105654	5.8	1
57	303 Numerical Simulation on Heat Transfer and Fluid Flow in Cooling Channel of Liquid Rocket Engine Thrust Chamber. <i>The Proceedings of the Computational Mechanics Conference</i> , 2003 , 2003.16, 177-178	0	1
56	Experimental and numerical investigation of thermal field for a motor and related factors sensitivities using combined CFD-Taguchi method. <i>Thermal Science</i> , 2019 , 23, 1065-1077	1.2	1
55	Numerical calibration for thermal resistance in discrete element method by finite volume method. <i>Powder Technology</i> , 2021 , 383, 584-597	5.2	1
54	Mechanisms and strategies for ash deposition reduction in flue gas heat exchanger. <i>Clean Technologies and Environmental Policy</i> ,1	4.3	1
53	The Heat Transfer Characteristics of Rolling Wheel and the Characteristic Length Determining Them. <i>Journal of Heat Transfer</i> , 2016 , 138,	1.8	1
52	Molecular Dynamics Simulation on Diffusion Welding Between Cu and Al Under Different Pressures and Roughnesses 2016 ,		1
51	Effect of Gradient Anode on Mass Transfer Performance for Anode-Supported Planar Solid Oxide Fuel Cells 2016 ,		1

50	Selected Papers from the 2nd International Workshop on Heat Transfer Advances for Energy Conservation and Pollution Control (IWHT2013). <i>Heat Transfer Engineering</i> , 2016 , 37, 243-245	1.7	1
49	Performance Enhancement of Shell-Tube Heat Exchanger by Clamping Anti-Vibration Baffles with Porous Media Involvement. <i>Heat Transfer Engineering</i> , 2021 , 42, 1523-1538	1.7	1
48	Numerical Study on Flow and Heat Transfer Performance of Natural Gas in a Printed Circuit Heat Exchanger During Transcritical Liquefaction. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2021 , 143,	2.1	1
47	Radial basis function interpolation supplemented lattice Boltzmann method for electroosmotic flows in microchannel. <i>Electrophoresis</i> , 2021 , 42, 2171-2181	3.6	1
46	A review on experimental investigations of refrigerant/oil mixture flow boiling in horizontal channels. <i>Applied Thermal Engineering</i> , 2021 , 196, 117270	5.8	1
45	Effect of pyrolytic reaction of supercritical aviation kerosene RP-3 on heat and mass transfer in the near-wall region. <i>Applied Thermal Engineering</i> , 2021 , 197, 117401	5.8	1
44	Study on mechanical stress of semicircular and rectangular channels in printed circuit heat exchangers. <i>Energy</i> , 2022 , 238, 121655	7.9	1
43	Numerical study on temperature rise and mechanical properties of winding in oil-immersed transformer. <i>Energy</i> , 2022 , 239, 121788	7.9	1
42	Performance analysis of an air rock thermocline TES tank for concentrated solar power plants using the coupled DEM-CFD approach. <i>Clean Technologies and Environmental Policy</i> , 1	4.3	1
41	Heat transfer of granular flow around aligned tube bank in moving bed: Experimental study and theoretical prediction by thermal resistance model. <i>Energy Conversion and Management</i> , 2022 , 257, 115435	10.6	1
40	Recent Advances in Low-Carbon and Sustainable, Efficient Technology: Strategies and Applications. <i>Energies</i> , 2022 , 15, 2954	3.1	1
39	Influence of inlet temperature on the performance of cascade and hybrid storage tank for CSP plants. <i>Applied Thermal Engineering</i> , 2022 , 206, 118098	5.8	0
38	Effect of rib diameter on flow boiling heat transfer with staggered rib arrays in a heat sink. <i>Energy</i> , 2022 , 239, 122323	7.9	0
37	Wettability and thermal performance of Ga62.5In21.5Sn16 liquid metal alloy on W-coated Cu substrates with varying film thickness. <i>International Journal of Thermal Sciences</i> , 2022 , 172, 107333	4.1	0
36	Investigations on thermal-hydraulic performance and entropy generation characteristics of sinusoidal channeled printed circuit LNG vaporizer. <i>Clean Technologies and Environmental Policy</i> , 1	4.3	0
35	Investigation on the Acoustic Energy Transfer Process in Expanded Pipe of Heat Exchangers. <i>Heat Transfer Engineering</i> , 1-16	1.7	0
34	Retarding frosting of an air source heat pump by using vapor-bypassed evaporation technique. <i>International Journal of Refrigeration</i> , 2021 , 127, 69-77	3.8	0
33	Numerical investigation of the solute dispersion in finite-length microchannels with the interphase transport. <i>Electrophoresis</i> , 2021 , 42, 257-268	3.6	0

32	Methane steam reforming with axial variable diameter particle structures in grille-sphere composite packed bed: A numerical study of hydrogen production performance. <i>Energy Conversion and Management</i> , 2021 , 240, 114163	10.6	o
31	Efficient thermal management strategy of Li-ion battery pack based on sorption heat storage. <i>Energy Conversion and Management</i> , 2022 , 256, 115383	10.6	o
30	Numerical study on 2-stage phase change heat sink for cooling of photovoltaic panel. <i>Energy</i> , 2022 , 249, 123679	7.9	o
29	Simultaneous thermoosmotic and thermoelectric responses in nanoconfined electrolyte solutions: Effects of nanopore structures and membrane properties.. <i>Journal of Colloid and Interface Science</i> , 2022 , 618, 333-351	9.3	o
28	Dynamic study of the extraction ratio and interstage pressure ratio distribution in typical layouts of SCO ₂ Brayton cycle under temperature fluctuations. <i>Applied Thermal Engineering</i> , 2022 , 212, 118553	5.8	o
27	Thermo-economic evaluation of PCM layer thickness change on the performance of the hybrid heat storage tank for concentrating solar power plants. <i>Energy</i> , 2022 , 253, 124128	7.9	o
26	Effect of diameter distribution of particles on methane steam reforming in multi-channel grille-sphere composite packed bed. <i>Energy Conversion and Management</i> , 2022 , 265, 115764	10.6	o
25	Optimization of thermoelectric generator integrated recuperator. <i>Energy Procedia</i> , 2019 , 158, 2058-2063.	3	
24	Numerical study of flow and mixing characteristics in a T-junction under inflow pulsation. <i>Energy Procedia</i> , 2019 , 158, 5238-5244	2.3	
23	Professor Bengt Sundb on his 70th Birthday. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 141, 1315-1317	4.9	
22	Selected Papers from the 3rd International Workshop on Heat Transfer Advances for Energy Conservation and Pollution Control (IWHT2015). <i>Heat Transfer Engineering</i> , 2018 , 39, 583-585	1.7	
21	Investigation on the transient phenomena during the evolution of melt pool. <i>Energy Procedia</i> , 2017 , 142, 3876-3881	2.3	
20	Investigation of Evaluation Criterion of Axial Wall Heat Conduction in Tube Laminar Flow and Heat Transfer. <i>Energy Procedia</i> , 2014 , 61, 2351-2354	2.3	
19	Numerical study of the intensified heat transfer of an internally longitudinal ridged finned tube under pulsating flow. <i>Heat Transfer - Asian Research</i> , 2009 , 38, 207-215	2.8	
18	Study on Flow and Heat Transfer Characteristics of Vapor-Liquid Two-Phase Flow in a Narrow Rectangular Channel With Longitudinal Vortex Generators. <i>Heat Transfer Engineering</i> , 2011 , 32, 1053-1061	1.7	
17	Convective heat transfer and pressure drop of a tube with internal longitudinal fins. <i>Heat Transfer - Asian Research</i> , 2007 , 36, 57-65	2.8	
16	Thermal Design of Heat Exchanger With Fins Inside and Outside Tubes 2006 , 263		
15	Welding Technologies Used in Assembling Recuperator of Microturbine System 2007 , 977		

14	Working, Modeling and Applications of Molten Salt TES Systems. <i>Green Energy and Technology</i> , 2022 , 279-309	0.6
13	Characteristics Analysis of Condensation outside Horizontal Tube Bundles and Novel Condensation Enhancement Method. <i>Journal of Thermal Science</i> ,1	1.9
12	304 Numerical study on the pressure drop and heat transfer characteristics of internally finned tubes with blocked inserted tubes. <i>The Proceedings of the Computational Mechanics Conference</i> , 2003 , 2003.16, 179-180	0
11	Analytical Model Study of Critical Heat Flux in Rectangular Narrow Channel 2007 , 1007-1010	
10	Numerical study of flow inhomogeneity and heat transfer enhancement in structured packed beds. <i>Thermal Science</i> , 2020 , 24, 3533-3542	1.2
9	An Experimental Investigation of Natural Convection in a Cubic Inclined Enclosure With Multiple Isolated Plates. <i>Journal of Heat Transfer</i> , 2000 , 122, 176-179	1.8
8	Perturbation solutions for the nonlinear Poisson-Boltzmann equation with a high-order-accuracy Debye-Hückel approximation. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2020 , 71, 1	1.6
7	Numerical Investigation of Gravity-Driven Granular Flow around the Vertical Plate: Effect of Pin-Fin and Oscillation on the Heat Transfer. <i>Energies</i> , 2021 , 14, 2187	3.1
6	Novel Analytical and Numerical Methods in Heat Transfer Enhancement and Thermal Management. <i>Journal of Applied Mathematics</i> , 2016 , 2016, 1-2	1.1
5	Heat transformation performance of salt hydrate-based thermochemical energy storage sorbent during hydration 2022 , 1, 100006	
4	Investigations on flow distribution of supercritical natural gas in a printed circuit heat exchanger 2022 , 100004	
3	Three-dimensional numerical analysis of mini-grooved flat heat pipe filled with different working fluids with experimental validation. <i>Heat Transfer Engineering</i> ,1-21	1.7
2	Transport phenomena and evolution mechanism of the melt pool during a laser based metal melting process. <i>Journal of Thermal Science and Engineering Applications</i> ,1-36	1.9
1	Numerical investigation of gravity-driven particle flow along the trapezoidal corrugated plate for a moving packed bed heat exchanger. <i>Powder Technology</i> , 2022 , 405, 117526	5.2