

Qiuwang Wang

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/2233905/qiuwang-wang-publications-by-year.pdf>

Version: 2024-04-27

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

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

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	Working, Modeling and Applications of Molten Salt TES Systems. <i>Green Energy and Technology</i> , 2022 , 279-309	0.6	
408	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
407	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
406	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
405	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
404	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
403	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
402	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
401	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
400	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
399	Study on mechanical stress of semicircular and rectangular channels in printed circuit heat exchangers. <i>Energy</i> , 2022 , 238, 121655	7.9	1
398	Numerical study on temperature rise and mechanical properties of winding in oil-immersed transformer. <i>Energy</i> , 2022 , 239, 121788	7.9	1
397	Heat transformation performance of salt hydrate-based thermochemical energy storage sorbent during hydration 2022 , 1, 100006		
396	Numerical Simulation of Erosion Wear for Continuous Elbows in Different Directions. <i>Energies</i> , 2022 , 15, 1901	3.1	2
395	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	0
394	Investigations on flow distribution of supercritical natural gas in a printed circuit heat exchanger 2022 , 100004		
393	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

392	Numerical study on 2-stage phase change heat sink for cooling of photovoltaic panel. <i>Energy</i> , 2022 , 249, 123679	7.9	0
391	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	0
390	Recent Advances in Low-Carbon and Sustainable, Efficient Technology: Strategies and Applications. <i>Energies</i> , 2022 , 15, 2954	3.1	1
389	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
388	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	0
387	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	0
386	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	
385	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	0
384	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
383	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
382	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
381	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
380	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
379	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
378	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	
377	Numerical calibration for thermal resistance in discrete element method by finite volume method. <i>Powder Technology</i> , 2021 , 383, 584-597	5.2	1
376	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
375	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

374	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
373	Experimental Study on Small Scale Printed Circuit Heat Exchanger with Zigzag Channels. <i>Heat Transfer Engineering</i> , 2021 , 42, 723-735	1.7	7
372	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
371	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
370	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
369	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
368	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
367	Numerical investigation of the solute dispersion in finite-length microchannels with the interphase transport. <i>Electrophoresis</i> , 2021 , 42, 257-268	3.6	0
366	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
365	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
364	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
363	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
362	Numerical Investigations of Film Cooling and Particle Impact on the Blade Leading Edge. <i>Energies</i> , 2021 , 14, 1102	3.1	2
361	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
360	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	0
359	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
358	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
357	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

356	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
355	Radial basis function interpolation supplemented lattice Boltzmann method for electroosmotic flows in microchannel. <i>Electrophoresis</i> , 2021 , 42, 2171-2181	3.6	1
354	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
353	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
352	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
351	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
350	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
349	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
348	Pore-scale analysis on selection of composite phase change materials for photovoltaic thermal management. <i>Applied Energy</i> , 2021 , 302, 117558	10.7	3
347	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
346	Supercritical CO ₂ Brayton cycle at different heat source temperatures and its analysis under leakage and disturbance conditions. <i>Energy</i> , 2021 , 237, 121610	7.9	2
345	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
344	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
343	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
342	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
341	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
340	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
339	Experimental investigation on paraffin melting in high porosity copper foam under centrifugal accelerations. <i>Applied Thermal Engineering</i> , 2020 , 178, 115504	5.8	6

338	Experimental thermal-hydraulic performances of heat exchangers with different baffle patterns. <i>Energy</i> , 2020 , 205, 118066	7.9	4
337	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
336	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
335	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
334	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
333	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
332	Confinement Effect of Graphene Interface on Phase Transition of -Eicosane: Molecular Dynamics Simulations. <i>Langmuir</i> , 2020 , 36, 8422-8434	4	6
331	Prediction of flow maldistribution in printed circuit heat exchanger. <i>International Journal of Heat and Mass Transfer</i> , 2020 , 152, 119560	4.9	7
330	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
329	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
328	Numerical Study of Heat Transfer in Gravity-Driven Particle Flow around Tubes with Different Shapes. <i>Energies</i> , 2020 , 13, 1961	3.1	8
327	Experimental study on the heat transfer performance of a gallium heat sink. <i>Energy Conversion and Management</i> , 2020 , 213, 112853	10.6	10
326	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
325	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
324	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
323	Numerical study of flow inhomogeneity and heat transfer enhancement in structured packed beds. <i>Thermal Science</i> , 2020 , 24, 3533-3542	1.2	
322	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
321	Electrokinetic power generation in conical nanochannels: regulation effects due to conicity. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 2386-2398	3.6	8

320	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
319	Long-term investment and maintenance planning for heat exchanger network retrofit. <i>Applied Energy</i> , 2020 , 279, 115713	10.7	14
318	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
317	Controlling effect of phase change material based heat exchanger on supercritical CO2 Brayton cycle. <i>Journal of Cleaner Production</i> , 2020 , 277, 122994	10.3	3
316	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
315	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
314	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
313	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
312	Technologies and fundamentals of waste heat recovery from high-temperature solid granular materials. <i>Applied Thermal Engineering</i> , 2020 , 179, 115703	5.8	15
311	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	
310	A simplified finite volume method for effective thermal conductivity in discrete particles. <i>Powder Technology</i> , 2020 , 375, 521-532	5.2	6
309	Recent Advances in Technology, Strategy and Application of Sustainable Energy Systems. <i>Energies</i> , 2020 , 13, 5229	3.1	12
308	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
307	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
306	Toward an Efficient and Sustainable Use of Energy in Industries and Cities. <i>Energies</i> , 2019 , 12, 3150	3.1	8
305	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
304	Optimization of thermoelectric generator integrated recuperator. <i>Energy Procedia</i> , 2019 , 158, 2058-2063.		3
303	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

302	Numerical investigation of heat transfer for elliptical tube in granular flow using DEM. <i>Energy Procedia</i> , 2019 , 158, 5504-5509	2.3	5
301	Numerical study of heat transfer in underground power cable system. <i>Energy Procedia</i> , 2019 , 158, 5317-5322	3.2	7
300	Numerical study of flow and mixing characteristics in a T-junction under inflow pulsation. <i>Energy Procedia</i> , 2019 , 158, 5238-5244	2.3	
299	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
298	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
297	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
296	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
295	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
294	Coupling ENTU method for thermal design of heat exchanger in cabinet cooling system. <i>Applied Thermal Engineering</i> , 2019 , 159, 113972	5.8	1
293	Dynamic modelling and transient characteristics of supercritical CO2 recompression Brayton cycle. <i>Energy</i> , 2019 , 180, 292-302	7.9	14
292	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
291	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
290	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
289	Professor Bengt Sundb on his 70th Birthday. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 141, 1315-1317	4.9	
288	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
287	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
286	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
285	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

284	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
283	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
282	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
281	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
280	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
279	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
278	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
277	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
276	Sustainable energy technologies and environmental impacts of energy systems. <i>Applied Energy</i> , 2019 , 256, 113919	10.7	12
275	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
274	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
273	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
272	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
271	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
270	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
269	Personal thermal management using portable thermoelectrics for potential building energy saving. <i>Applied Energy</i> , 2018 , 218, 282-291	10.7	58
268	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
267	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

266	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
265	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
264	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
263	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
262	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	
261	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
260	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
259	Probability density function of velocity fluctuations in a rectangular T-junction duct. <i>Journal of Turbulence</i> , 2018 , 19, 621-646	2.1	2
258	Thermal performance analysis of flat heat pipe with graded mini-grooves wick. <i>Applied Energy</i> , 2018 , 228, 2129-2139	10.7	22
257	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
256	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
255	A New Phase Transition Heat Exchanger for Gas Water Heaters. <i>Inventions</i> , 2018 , 3, 37	2.9	1
254	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
253	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
252	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
251	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
250	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
249	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

248	Force Analysis of a Circular Cylinder at Ununiformed Flow in a T Pipe Junction. <i>Energies</i> , 2018 , 11, 864	3.1	2
247	Recent Advances in the Analysis of Sustainable Energy Systems. <i>Energies</i> , 2018 , 11, 2520	3.1	14
246	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
245	A Numerical Study of Small-Scale Longitudinal Heat Conduction in Plate Heat Exchangers. <i>Energies</i> , 2018 , 11, 1727	3.1	6
244	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
243	Parametric study of thermoelectric power generators under large temperature difference conditions. <i>Applied Thermal Engineering</i> , 2018 , 144, 647-657	5.8	6
242	Thermal resistance matching for thermoelectric cooling systems. <i>Energy Conversion and Management</i> , 2018 , 169, 186-193	10.6	32
241	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
240	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
239	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
238	Numerical investigation of condensation in inclined tube air-cooled condensers. <i>Applied Thermal Engineering</i> , 2017 , 118, 418-429	5.8	18
237	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
236	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
235	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
234	Visualization Study on the Methane Segregation Injection Technology in Iron Ore Sintering Process. <i>Energy Procedia</i> , 2017 , 105, 1461-1466	2.3	1
233	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
232	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
231	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

230	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
229	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
228	System Design and Thermodynamic Analysis of a Sintering-driven Organic Rankine Cycle. <i>Energy Procedia</i> , 2017 , 105, 1467-1472	2.3	2
227	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
226	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
225	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
224	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
223	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
222	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
221	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
220	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
219	Probability Density Function of Streamwise Velocity Fluctuation in Turbulent T-junction Flows. <i>Energy Procedia</i> , 2017 , 105, 5005-5010	2.3	2
218	Experimental Study of Convective Heat Transfer in Grille-sphere Composite Structured Packed Bed. <i>Energy Procedia</i> , 2017 , 105, 4782-4787	2.3	2
217	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
216	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
215	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
214	Theoretical analysis of flat heat pipe with graded-porosity wick design. <i>Energy Procedia</i> , 2017 , 142, 3932-3938	2.3	2
213	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

212	Investigation on the transient phenomena during the evolution of melt pool. <i>Energy Procedia</i> , 2017 , 142, 3876-3881	2.3	
211	Experimental investigation of V-gutter flameholders. <i>Thermal Science</i> , 2017 , 21, 1011-1019	1.2	4
210	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
209	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
208	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
207	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
206	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
205	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
204	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
203	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
202	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
201	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
200	Characteristics of charcoal combustion and its effects on iron-ore sintering performance. <i>Applied Energy</i> , 2016 , 161, 364-374	10.7	54
199	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
198	Novel Analytical and Numerical Methods in Heat Transfer Enhancement and Thermal Management. <i>Journal of Applied Mathematics</i> , 2016 , 2016, 1-2	1.1	
197	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
196	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
195	The Heat Transfer Characteristics of Rolling Wheel and the Characteristic Length Determining Them. <i>Journal of Heat Transfer</i> , 2016 , 138,	1.8	1

194	Molecular Dynamics Simulation on Diffusion Welding Between Cu and Al Under Different Pressures and Roughnesses 2016 ,		1
193	Effect of Gradient Anode on Mass Transfer Performance for Anode-Supported Planar Solid Oxide Fuel Cells 2016 ,		1
192	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
191	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
190	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
189	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
188	Integration of Genetic Programming With Genetic Algorithm for Correlating Heat Transfer Problems. <i>Journal of Heat Transfer</i> , 2015 , 137,	1.8	3
187	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
186	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
185	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
184	Numerical Simulation of Laminar Film Condensation in a Horizontal Minitube with and Without Non-Condensable Gas by the VOF Method. <i>Numerical Heat Transfer; Part A: Applications</i> , 2015 , 68, 958-977		20
183	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
182	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
181	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
180	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
179	Simulation of thermoelectric-hydraulic performance of a thermoelectric power generator with longitudinal vortex generators. <i>Energy</i> , 2015 , 84, 695-703	7.9	20
178	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
177	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

176	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
175	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
174	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
173	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
172	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
171	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
170	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
169	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
168	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
167	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
166	Thermal Performance Prediction and Optimization of Heat Exchangers by Artificial Intelligence Techniques 2015 , 1-46		2
165	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
164	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
163	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
162	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
161	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
160	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
159	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

158	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
157	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
156	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
155	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
154	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
153	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
152	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
151	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
150	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
149	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
148	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
147	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
146	Optimization Design of Refuse-Incinerating Power Plant With Air-Cooled Heat Exchanger. <i>Heat Transfer Engineering</i> , 2014 , 35, 711-720	1.7	1
145	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
144	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
143	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
142	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	
141	Energy and exergy analysis for waste heat cascade utilization in sinter cooling bed. <i>Energy</i> , 2014 , 67, 370-380	7.9	55

140	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
139	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
138	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
137	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
136	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
135	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
134	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
133	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
132	Numerical Study on Thermo-Hydraulic Performance in the Shell Side of Spiral-Wound Heat Exchanger 2013 ,		1
131	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
130	Numerical investigation of sinter cooling process in sinter cooler 2013 ,		3
129	Robust multi-objective optimization of state feedback controllers for heat exchanger system with probabilistic uncertainty 2013 ,		2
128	Numerical Study of the Effects of Different Buoyancy Models on Supercritical Flow and Heat Transfer 2013 ,		1
127	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
126	Numerical study on carbon deposition of SOFC with unsteady state variation of porosity. <i>Applied Energy</i> , 2012 , 97, 754-762	10.7	41
125	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
124	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
123	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

122	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
121	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
120	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
119	Experimental Investigation of Thermal and Hydrodynamic Performances of a Partial Cross-Wavy Recuperator for Microturbine Applications 2012 ,		1
118	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
117	A Simplified CFD Model With Multi-Periodic Boundary Conditions for Cross Wavy Channels 2011 ,		2
116	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
115	In-Situ Capillary Trapping of CO ₂ by Co-Injection. <i>Transport in Porous Media</i> , 2011 , 90, 575-587	3.1	9
114	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
113	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
112	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
111	Experimental and numerical study of room airflow under stratum ventilation. <i>Building and Environment</i> , 2011 , 46, 235-244	6.5	27
110	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
109	Experimental investigation of thermal and ventilation performances of stratum ventilation. <i>Building and Environment</i> , 2011 , 46, 1309-1320	6.5	53
108	Experimental study of capillary trapping on the pore scale for various sandstone cores. <i>Energy Procedia</i> , 2011 , 4, 5017-5023	2.3	5
107	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
106	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
105	Theoretical Analysis on Film Thickness of Intertube Falling-Film Flow With a Countercurrent Gas Flow 2011 ,		2

104	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
103	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
102	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
101	Numerical Study of Internally Finned Bayonet Tubes in a High Temperature Bayonet Tube Heat Exchanger With Inner and Outer Fins 2010 ,		2
100	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
99	Review of Improvements on Shell-and-Tube Heat Exchangers With Helical Baffles. <i>Heat Transfer Engineering</i> , 2010 , 31, 836-853	1.7	78
98	Forced Convection Heat Transfer Enhancement by Porous Pin Fins in Rectangular Channels. <i>Journal of Heat Transfer</i> , 2010 , 132,	1.8	35
97	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
96	Optimization of heat exchangers with vortex-generator fin by Taguchi method. <i>Applied Thermal Engineering</i> , 2010 , 30, 1775-1783	5.8	117
95	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
94	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
93	Dispersion in retentive pillar array columns. <i>Journal of Chromatography A</i> , 2010 , 1217, 1332-42	4.5	31
92	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
91	Comparison of gaseous contaminant diffusion under stratum ventilation and under displacement ventilation. <i>Building and Environment</i> , 2010 , 45, 2035-2046	6.5	62
90	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
89	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
88	Experimental and Numerical Studies of Shell-and-Tube Heat Exchangers With Helical Baffles 2009 ,		3
87	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	

86	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
85	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
84	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
83	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
82	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
81	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
80	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
79	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
78	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
77	The Influence of Rotating Speed on Film Cooling Characteristics on GE-E3 Blade Tip With Different Tip Configurations 2009 ,		1
76	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
75	Thermal Design of a High Temperature Bayonet Tube Heat Exchanger With Inner and Outer Fins 2009 ,		1
74	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
73	Film Cooling From a Row of Holes With Both Ends Embedded in Transverse Slots 2008 ,		1
72	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
71	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
70	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
69	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

68	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
67	Numerical Study on Forced Convective Heat Transfer in Porous Pin Fin Channels 2008 ,		1
66	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
65	Numerical Studies of a Novel Combined Multiple Shell-Pass Shell-and-Tube Heat Exchanger With Helical Baffles 2008 ,		6
64	Performance Comparison of Particle Swarm Optimization and Genetic Algorithm in Rolling Fin-Tube Heat Exchanger Optimization Design 2008 ,		5
63	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
62	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
61	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
60	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
59	Optimization of compact heat exchangers by a genetic algorithm. <i>Applied Thermal Engineering</i> , 2008 , 28, 895-906	5.8	170
58	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
57	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
56	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
55	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	
54	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
53	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
52	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
51	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

50	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
49	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
48	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
47	Evaluation of Energy Efficiency for a CCHP System With Available Microturbine 2007 , 969		1
46	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
45	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
44	Welding Technologies Used in Assembling Recuperator of Microturbine System 2007 , 977		
43	Analytical Model Study of Critical Heat Flux in Rectangular Narrow Channel 2007 , 1007-1010		
42	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
41	Thermal Design of Heat Exchanger With Fins Inside and Outside Tubes 2006 , 263		
40	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
39	Performance comparison between mixing ventilation and displacement ventilation with and without cooled ceiling. <i>Engineering Computations</i> , 2006 , 23, 218-237	1.4	8
38	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
37	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
36	Validation of CFD Model for Research into Displacement Ventilation. <i>Architectural Science Review</i> , 2005 , 48, 305-316	2.6	19
35	Numerical Simulation of Gas Flow and Heat Transfer in Cross-Wavy Primary Surface Channel for Microturbine Recuperators 2005 , 321		5
34	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
33	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

32	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
31	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
30	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
29	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
28	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
27	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
26	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	
25	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
24	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
23	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
22	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
21	Simulation of rarefied gas flow and heat transfer in microchannels. <i>Science in China Series D: Earth Sciences</i> , 2002 , 45, 321		13
20	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
19	Flow analysis of condenser cooling air delivery via building light well. <i>Applied Thermal Engineering</i> , 2001 , 21, 831-843	5.8	8
18	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
17	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
16	Effect of building re-entrant shape on performance of air-cooled condensing units. <i>Energy and Buildings</i> , 2000 , 32, 143-152	7	28
15	Developing Laminar Flow and Heat Transfer in Annular-Sector Ducts. <i>Heat Transfer Engineering</i> , 2000 , 21, 53-61	1.7	19

14	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	
13	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
12	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
11	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
10	Natural convection in a square enclosure with an internal isolated vertical plate. <i>Heat and Mass Transfer</i> , 1994 , 29, 161-169		20
9	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
8	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
7	Characteristics Analysis of Condensation outside Horizontal Tube Bundles and Novel Condensation Enhancement Method. <i>Journal of Thermal Science</i> ,1	1.9	
6	Investigations on thermalHydraulic performance and entropy generation characteristics of sinusoidal channeled printed circuit LNG vaporizer. <i>Clean Technologies and Environmental Policy</i> ,1	4.3	0
5	Investigation on the Acoustic Energy Transfer Process in Expanded Pipe of Heat Exchangers. <i>Heat Transfer Engineering</i> ,1-16	1.7	0
4	Mechanisms and strategies for ash deposition reduction in flue gas heat exchanger. <i>Clean Technologies and Environmental Policy</i> ,1	4.3	1
3	Performance analysis of an air rock thermocline TES tank for concentrated solar power plants using the coupled DEMCFD approach. <i>Clean Technologies and Environmental Policy</i> ,1	4.3	1
2	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	
1	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	