

Min Zeng

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Investigations on thermal-hydraulic performance and entropy generation characteristics of sinusoidal channeled printed circuit LNG vaporizer. <i>Clean Technologies and Environmental Policy</i> , 2022, 24, 95-108.	2.1	8
2	Investigation on the Acoustic Energy Transfer Process in Expanded Pipe of Heat Exchangers. <i>Heat Transfer Engineering</i> , 2022, 43, 679-693.	1.2	2
3	Mechanisms and strategies for ash deposition reduction in flue gas heat exchanger. <i>Clean Technologies and Environmental Policy</i> , 2022, 24, 77-93.	2.1	11
4	Salt hydrate-based gas-solid thermochemical energy storage: Current progress, challenges, and perspectives. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 154, 111846.	8.2	49
5	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.	4.4	21
6	Heat transformation performance of salt hydrate-based thermochemical energy storage sorbent during hydration. , 2022, 1, 100006.		0
7	Efficient thermal management strategy of Li-ion battery pack based on sorption heat storage. <i>Energy Conversion and Management</i> , 2022, 256, 115383.	4.4	12
8	Integrated software suite for heat recovery networks and equipment design. <i>Computers and Chemical Engineering</i> , 2022, 161, 107742.	2.0	0
9	An advanced Grid Diagram for heat exchanger network retrofit with detailed plate heat exchanger design. <i>Energy</i> , 2022, 248, 123485.	4.5	18
10	Numerical study on 2-stage phase change heat sink for cooling of photovoltaic panel. <i>Energy</i> , 2022, 249, 123679.	4.5	4
11	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.	3.0	5
12	Numerical study on heat and mass transport phenomena during a multilayer cladding process for direct laser deposition. <i>Numerical Heat Transfer; Part A: Applications</i> , 2022, 82, 356-375.	1.2	2
13	A new structure of PCHE with embedded PCM for attenuating temperature fluctuations and its performance analysis. <i>Energy</i> , 2022, 254, 124462.	4.5	6
14	Effect of various surfactants on stability and thermophysical properties of nanofluids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 4057-4070.	2.0	49
15	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.	1.2	6
16	Energy Storage of Low Potential Heat using Lithium Hydroxide Based Sorbent for Domestic Heat Supply. <i>Journal of Cleaner Production</i> , 2021, 285, 124907.	4.6	28
17	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.	3.0	12
18	Heat exchanger network retrofit with heat exchanger and material type selection: A review and a novel method. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 138, 110479.	8.2	40

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19	Numerical Investigations of Film Cooling and Particle Impact on the Blade Leading Edge. <i>Energies</i> , 2021, 14, 1102.	1.6	6
20	Experimental and theoretical investigation on the surface tension of nano-Lithium Bromide solution. <i>International Communications in Heat and Mass Transfer</i> , 2021, 123, 105231.	2.9	9
21	Microalloying Design of Biodegradable Mg ²⁺ Zn ^{0.05} Ca Promises Improved Bone-Implant Applications. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 2755-2766.	2.6	8
22	Local hemodynamic analysis after coronary stent implantation based on Euler-Lagrange method. <i>Journal of Biological Physics</i> , 2021, 47, 143-170.	0.7	6
23	A target-evaluation method for heat exchanger network optimisation with heat transfer enhancement. <i>Energy Conversion and Management</i> , 2021, 238, 114154.	4.4	23
24	Numerical Investigation on Two-Phase Flow Heat Transfer Performance and Instability with Discrete Heat Sources in Parallel Channels. <i>Energies</i> , 2021, 14, 4408.	1.6	6
25	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.	6.6	31
26	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.	3.0	12
27	Numerical analysis on the improved thermo-chemical behaviour of hierarchical energy materials as a cascaded thermal accumulator. <i>Energy</i> , 2021, 232, 120937.	4.5	14
28	Supercritical CO ₂ Brayton cycle at different heat source temperatures and its analysis under leakage and disturbance conditions. <i>Energy</i> , 2021, 237, 121610.	4.5	13
29	Numerical study on turbulent heat transfer performance of a new compound parallel flow shell and tube heat exchanger with longitudinal vortex generator. <i>Applied Thermal Engineering</i> , 2020, 164, 114449.	3.0	25
30	Heat transfer enhancement, intensification and optimisation in heat exchanger network retrofit and operation. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 120, 109644.	8.2	78
31	Characteristics and control mechanism of melting process under extra magnetic force fields. <i>Applied Thermal Engineering</i> , 2020, 167, 114704.	3.0	16
32	Numerical study on turbulent heat transfer performance of twisted oval tube with different cross sectioned wire coil. <i>Case Studies in Thermal Engineering</i> , 2020, 22, 100759.	2.8	32
33	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.	4.6	11
34	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.	1.2	8
35	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.	0.7	0
36	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.	4.5	27

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37	Development and characteristics analysis of salt-hydrate based composite sorbent for low-grade thermochemical energy storage. <i>Renewable Energy</i> , 2020, 157, 920-940.	4.3	43
38	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.	3.0	43
39	Heat exchanger network retrofit by a shifted retrofit thermodynamic grid diagram-based model and a two-stage approach. <i>Energy</i> , 2020, 198, 117338.	4.5	42
40	Performance analysis of consolidated sorbent based closed thermochemical energy storage reactor for environmental sustainability. <i>Journal of Cleaner Production</i> , 2020, 265, 121821.	4.6	19
41	Experimental thermal-hydraulic performances of heat exchangers with different baffle patterns. <i>Energy</i> , 2020, 205, 118066.	4.5	14
42	Review of two types of surface modification on pool boiling enhancement: Passive and active. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 130, 109926.	8.2	68
43	An Extended Grid Diagram for Heat Exchanger Network Retrofit Considering Heat Exchanger Types. <i>Energies</i> , 2020, 13, 2656.	1.6	21
44	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.	5.1	10
45	Confinement Effect of Graphene Interface on Phase Transition of <i>n</i> -Eicosane: Molecular Dynamics Simulations. <i>Langmuir</i> , 2020, 36, 8422-8434.	1.6	10
46	Performance enhancement of cabinet cooling system by utilizing cross-flow plate heat exchanger. <i>Energy Conversion and Management</i> , 2020, 213, 112854.	4.4	19
47	Experimental investigation of saturated pressure and mass transfer characteristics of nano-lithium bromide solution. <i>International Communications in Heat and Mass Transfer</i> , 2020, 115, 104605.	2.9	5
48	Numerical investigation of particle deposition in film-cooled blade leading edge. <i>Numerical Heat Transfer; Part A: Applications</i> , 2020, 77, 579-598.	1.2	10
49	Heat Transfer Characteristics of Non-Uniform Flow Around a Circular Cylinder in a T-Junction Duct. <i>Journal of Heat Transfer</i> , 2020, , .	1.2	3
50	Adsorption behaviour of NaCl solution on the surface of MgO: a molecular dynamics study. <i>Molecular Physics</i> , 2019, 117, 267-279.	0.8	5
51	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.	3.0	33
52	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.	4.4	38
53	Numerical study on turbulent heat transfer performance of a new parallel-flow shell and tube heat exchanger with sinusoidal wavy tapes using RSM analysis. <i>Applied Thermal Engineering</i> , 2019, 150, 875-887.	3.0	33
54	Investigation on thermal-hydraulic performance of parallel-flow shell and tube heat exchanger with a new type of anti-vibration baffle and wire coil using RSM method. <i>International Journal of Thermal Sciences</i> , 2019, 138, 351-366.	2.6	12

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55	Coupling $\hat{\mu}$ -NTU method for thermal design of heat exchanger in cabinet cooling system. Applied Thermal Engineering, 2019, 159, 113972.	3.0	14
56	Lattice Boltzmann simulation for melting control through an extra magnetic quadrupole field. Numerical Heat Transfer; Part A: Applications, 2019, 75, 254-270.	1.2	4
57	Organic phase change materials confined in carbon-based materials for thermal properties enhancement: Recent advancement and challenges. Renewable and Sustainable Energy Reviews, 2019, 108, 398-422.	8.2	141
58	A Novel Evaluation Method For Particle Deposition Measurement. Open Physics, 2019, 17, 927-934.	0.8	1
59	Numerical investigation of shell-side performance for shell and tube heat exchangers with two different clamping type anti-vibration baffles. Applied Thermal Engineering, 2018, 133, 125-136.	3.0	26
60	Evolution of natural convection melting inside cavity heated from different sides using enthalpy based lattice Boltzmann method. International Journal of Heat and Mass Transfer, 2018, 121, 715-725.	2.5	30
61	Evolution phenomena and surface shrink of the melt pool in an additive manufacturing process under magnetic field. International Journal of Heat and Mass Transfer, 2018, 123, 760-775.	2.5	17
62	Investigation on mass transfer characteristics of the falling film absorption of LiBr aqueous solution added with nanoparticles. International Journal of Refrigeration, 2018, 89, 149-158.	1.8	23
63	Investigation on turbulent flow and heat transfer characteristics and technical economy of corrugated tube. Applied Thermal Engineering, 2018, 129, 1-11.	3.0	51
64	Anticonvulsant activities of $\hat{\pm}$ -asaronol ((E)-3 $\hat{\alpha}$ ² -hydroxyasaronone), an active constituent derived from $\hat{\pm}$ -asarone. Pharmacological Reports, 2018, 70, 69-74.	1.5	20
65	Transient characteristics of electric double layer charging and the associated induced-charge electrokinetic flow. Physics of Fluids, 2018, 30, 122005.	1.6	4
66	Parameters optimization of a parallel-flow heat exchanger with a new type of anti-vibration baffle and coiled wire using Taguchi method. Journal of Zhejiang University: Science A, 2018, 19, 676-690.	1.3	5
67	A Numerical Study of Small-Scale Longitudinal Heat Conduction in Plate Heat Exchangers. Energies, 2018, 11, 1727.	1.6	10
68	An exact solution of the nonlinear Poisson-Boltzmann equation in parallel-plate geometry. Colloid and Polymer Science, 2018, 296, 1917-1923.	1.0	6
69	Study on high-speed condensation heat transfer of steam/nitrogen mixture in horizontal rectangular channel. Experimental Thermal and Fluid Science, 2018, 98, 267-277.	1.5	5
70	Investigation on the flow noise propagation mechanism in pipelines of shell-and-tube heat exchangers based on synergy principle of flow and sound fields. Applied Thermal Engineering, 2017, 122, 339-349.	3.0	18
71	Numerical investigation of mist/air impingement cooling on ribbed blade leading-edge surface. Journal of Environmental Management, 2017, 203, 1062-1071.	3.8	9
72	Sintering process simulation of a solid oxide fuel cell anode and its predicted thermophysical properties. Applied Thermal Engineering, 2017, 125, 209-219.	3.0	8

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73	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. Numerical Heat Transfer; Part A: Applications, 2017, 71, 1104-1122.	1.2	3
74	Investigation on the flow noise propagation mechanism in simple expansion pipelines based on synergy principle of flow and sound fields. Energy Procedia, 2017, 142, 3870-3875.	1.8	5
75	Investigation on the transient phenomena during the evolution of melt pool. Energy Procedia, 2017, 142, 3876-3881.	1.8	0
76	The Preparation of Au@TiO ₂ Yolk-Shell Nanostructure and its Applications for Degradation and Detection of Methylene Blue. Nanoscale Research Letters, 2017, 12, 535.	3.1	33
77	Experimental and numerical study on heat transfer and pressure drop performance of Cross-Wavy primary surface channel. Energy Conversion and Management, 2016, 125, 80-90.	4.4	31
78	Effect of Gradient Anode on Mass Transfer Performance for Anode-Supported Planar Solid Oxide Fuel Cells. , 2016, , .		1
79	Local and traditional uses, phytochemistry, and pharmacology of Sophora japonica L.: A review. Journal of Ethnopharmacology, 2016, 187, 160-182.	2.0	103
80	A new configuration of winglet longitudinal vortex generator to enhance heat transfer in a rectangular channel. Applied Thermal Engineering, 2016, 104, 74-84.	3.0	72
81	Investigation on combined multiple shell-pass shell-and-tube heat exchanger with continuous helical baffles. Energy, 2016, 115, 1572-1579.	4.5	33
82	Condensation heat transfer characteristic of high-speed steam/nitrogen mixture in horizontal rectangular channel. Experimental Thermal and Fluid Science, 2016, 78, 292-300.	1.5	7
83	Parameters Optimization of Fin-and-Tube Heat Exchanger with a Novel Vortex Generator Fin by Taguchi Method. Heat Transfer Engineering, 2016, 37, 369-381.	1.2	22
84	Effect of non-condensable gas on laminar film condensation of steam in horizontal minichannels with different cross-sectional shapes. International Communications in Heat and Mass Transfer, 2016, 70, 127-131.	2.9	16
85	Experimental investigation on steam flow condensation in the presence of noncondensable gas inside horizontal multi-head spiral channels. Experimental Thermal and Fluid Science, 2016, 70, 155-165.	1.5	7
86	NUMERICAL INVESTIGATION OF COMBINED PARALLEL TWO SHELL-PASS SHELL-AND-TUBE HEAT EXCHANGERS WITH CONTINUOUS HELICAL BAFFLES. Heat Transfer Research, 2016, 47, 575-595.	0.9	2
87	NUMERICAL SIMULATION OF LAMINAR FILM CONDENSATION OF VAPOR IN A HORIZONTAL MINICHANNEL WITH AND WITHOUT A NONCONDENSABLE GAS. Heat Transfer Research, 2016, 47, 141-155.	0.9	1
88	Numerical study on small-scale longitudinal heat conduction in cross-wavy primary surface heat exchanger. Applied Thermal Engineering, 2015, 76, 272-282.	3.0	18
89	Numerical investigation on combined single shell-pass shell-and-tube heat exchanger with two-layer continuous helical baffles. International Journal of Heat and Mass Transfer, 2015, 84, 103-113.	2.5	45
90	Effect of geometrical parameters on flow and heat transfer performances in multi-stream spiral-wound heat exchangers. Applied Thermal Engineering, 2015, 89, 1104-1116.	3.0	54

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91	Numerical Simulation of Laminar Film Condensation in a Horizontal Minutube with and Without Non-Condensable Gas by the VOF Method. Numerical Heat Transfer; Part A: Applications, 2015, 68, 958-977.	1.2	26
92	Parameter study of transient carbon deposition effect on the performance of a planar solid oxide fuel cell. Applied Energy, 2015, 152, 217-228.	5.1	29
93	Mass transfer enhancement of a spiral-like interconnector for planar solid oxide fuel cells. Applied Energy, 2015, 160, 954-964.	5.1	19
94	Numerical investigation on shell-side performances of combined parallel and serial two shell-pass shell-and-tube heat exchangers with continuous helical baffles. Applied Energy, 2015, 139, 163-174.	5.1	41
95	Geometrical Parametric Analysis of Flow and Heat Transfer in the Shell Side of a Spiral-Wound Heat Exchanger. Heat Transfer Engineering, 2015, 36, 790-805.	1.2	25
96	Experimental Investigation of Heat Transfer and Resistance Characteristics of a Finned Oval-Tube Heat Exchanger With Different Air Inlet Angles. Heat Transfer Engineering, 2014, 35, 703-710.	1.2	18
97	Numerical Study on Mass Transfer Performance of a Spiral-like Interconnector for Planar Solid Oxide Fuel Cells. Energy Procedia, 2014, 61, 2347-2350.	1.8	2
98	Electrical Performance and Carbon Deposition Differences between the Bi-Layer Interconnector and Conventional Straight Interconnector Solid Oxide Fuel Cell. Energies, 2014, 7, 4601-4613.	1.6	5
99	Shell-side thermal-hydraulic performances of multilayer spiral-wound heat exchangers under different wall thermal boundary conditions. Applied Thermal Engineering, 2014, 70, 1216-1227.	3.0	61
100	Effects of sealing strips on shell-side flow and heat transfer performance of a heat exchanger with helical baffles. Applied Thermal Engineering, 2014, 64, 117-128.	3.0	27
101	Experimental study of the effect of air inlet angle on the air-side performance for cross-flow finned oval-tube heat exchangers. Experimental Thermal and Fluid Science, 2014, 52, 146-155.	1.5	36
102	Optimization of fin arrangement and channel configuration in an airfoil fin PCHE for supercritical CO ₂ cycle. Applied Thermal Engineering, 2014, 70, 867-875.	3.0	155
103	3D numerical investigation of flow and heat transfer characteristics in smooth wavy fin-and-elliptical tube heat exchangers using new type vortex generators. Energy, 2014, 73, 233-257.	4.5	105
104	Improvements on maldistribution of a high temperature multi-channel compact heat exchanger by different inlet baffles. Energy, 2014, 75, 104-115.	4.5	37
105	Recent development and application of several high-efficiency surface heat exchangers for energy conversion and utilization. Applied Energy, 2014, 135, 748-777.	5.1	114
106	An experimental investigation on air-side performances of finned tube heat exchangers for indirect air-cooling tower. Thermal Science, 2014, 18, 863-874.	0.5	10
107	Natural Convection in Triangular Attics Filled with Porous Medium Heated from Below. Numerical Heat Transfer; Part A: Applications, 2013, 63, 735-754.	1.2	19
108	Numerical study on thermo-hydraulic performance of an offset-bubble primary surface channels. Applied Thermal Engineering, 2013, 61, 44-52.	3.0	12

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109	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.	3.0	21
110	Numerical simulation and comparison of turbulent heat transfer in supercritical and subcritical water. <i>Progress in Computational Fluid Dynamics</i> , 2013, 13, 141.	0.1	5
111	Numerical study on carbon deposition of SOFC with unsteady state variation of porosity. <i>Applied Energy</i> , 2012, 97, 754-762.	5.1	51
112	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.	5.1	43
113	Experimental analysis of forced convective heat transfer in novel structured packed beds of particles. <i>Chemical Engineering Science</i> , 2012, 71, 126-137.	1.9	132
114	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.	5.1	30
115	Stress analysis of internally finned bayonet tube in a high temperature heat exchanger. <i>Applied Thermal Engineering</i> , 2012, 43, 101-108.	3.0	25
116	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.	4.0	24
117	Numerical simulation of unsteady 3D air-water turbulent flow in a water cannon. <i>Progress in Computational Fluid Dynamics</i> , 2011, 11, 189.	0.1	1
118	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.	3.8	30
119	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, .	0.5	2
120	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.	0.5	16
121	Optimization of heat exchangers with vortex-generator fin by Taguchi method. <i>Applied Thermal Engineering</i> , 2010, 30, 1775-1783.	3.0	143
122	Optimal design of bi-layer interconnector for SOFC based on CFD-Taguchi method. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 4292-4300.	3.8	28
123	Review of Improvements on Shell-and-Tube Heat Exchangers With Helical Baffles. <i>Heat Transfer Engineering</i> , 2010, 31, 836-853.	1.2	95
124	Forced Convection Heat Transfer Enhancement by Porous Pin Fins in Rectangular Channels. <i>Journal of Heat Transfer</i> , 2010, 132, .	1.2	43
125	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.	1.5	141
126	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.	2.5	113

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127	Effect of lateral fin profiles on turbulent flow and heat transfer performance of internally finned tubes. Applied Thermal Engineering, 2009, 29, 3006-3013.	3.0	49
128	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. Heat Transfer Engineering, 2009, 30, 171-180.	1.2	61
129	A CFD-Taguchi Combined Method for Numerical Investigation of Natural Convection Cooling Performance of Air-Core Reactor with Noise Reducing Cover. Numerical Heat Transfer; Part A: Applications, 2009, 55, 1116-1130.	1.2	18
130	Natural convection of diamagnetic fluid in an enclosure filled with porous medium under magnetic field. Progress in Computational Fluid Dynamics, 2009, 9, 77.	0.1	18
131	Numerical Study of Natural Convection Heat Transfer in an Inclined Porous Cavity with Time-Periodic Boundary Conditions. Transport in Porous Media, 2008, 74, 293-309.	1.2	33
132	Computational analysis of heat transfer and pressure drop performance for internally finned tubes with three different longitudinal wavy fins. Heat and Mass Transfer, 2008, 45, 147-156.	1.2	23
133	Investigation of Turbulent Flow and Heat Transfer in Periodic Wavy Channel of Internally Finned Tube With Blocked Core Tube. Journal of Heat Transfer, 2008, 130, .	1.2	22
134	Numerical Study on Forced Convective Heat Transfer in Porous Pin Fin Channels. , 2008, , .		2
135	Numerical Studies of a Novel Combined Multiple Shell-Pass Shell-and-Tube Heat Exchanger With Helical Baffles. , 2008, , .		6
136	Numerical Investigation of Rarefied Diatomic Gas Flow and Heat Transfer in a Microchannel Using DSMC with Uniform Heat Flux Boundary Conditionâ€™Part II: Applications. Numerical Heat Transfer, Part B: Fundamentals, 2007, 53, 174-187.	0.6	18
137	Upward Heat Flux Through the Horizontal Fluid Layer of Water with Sinusoidal Wall Temperature at the Top or Bottom Boundary. Numerical Heat Transfer; Part A: Applications, 2007, 52, 817-829.	1.2	11
138	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. Journal of Heat Transfer, 2007, 129, 1277-1285.	1.2	31
139	Numerical Investigation of Natural Convection in an Enclosure Filled with Porous Medium Under Magnetic Field. Numerical Heat Transfer; Part A: Applications, 2007, 52, 959-971.	1.2	18
140	Numerical Investigation of Rarefied Diatomic Gas Flow and Heat Transfer in a Microchannel Using DSMC with Uniform Heat Flux Boundary Conditionâ€™Part I: Numerical Method and Validation. Numerical Heat Transfer, Part B: Fundamentals, 2007, 53, 160-173.	0.6	18
141	Experimental study of heat transfer enhancement in narrow rectangular channel with longitudinal vortex generators. Nuclear Engineering and Design, 2007, 237, 686-693.	0.8	69
142	Numerical investigation of heat transfer and fluid flow characteristics inside a wavy channel. Heat and Mass Transfer, 2007, 43, 603-611.	1.2	17
143	Numerical investigation of natural convection in an inclined enclosure filled with porous medium under magnetic field. International Journal of Heat and Mass Transfer, 2007, 50, 3684-3689.	2.5	41
144	Numerical Verification of the Field Synergy Principle for Turbulent Flow. Journal of Enhanced Heat Transfer, 2004, 11, 453-460.	0.5	46

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145	A comparison study of the convergence characteristics and robustness for four variants of SIMPLE family at fine grids. <i>Engineering Computations</i> , 2003, 20, 320-340.	0.7	15
146	Characteristics Analysis of Condensation outside Horizontal Tube Bundles and Novel Condensation Enhancement Method. <i>Journal of Thermal Science</i> , 0, , 1.	0.9	0