

# Zhixiong Guo

## List of Publications by Year in Descending Order

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

141  
papers

2,852  
citations

30  
h-index

46  
g-index

199  
ext. papers

3,346  
ext. citations

2.9  
avg, IF

5.69  
L-index

#	Paper	IF	Citations
141	Spatial-angular spectral element method with discontinuous Galerkin schemes for radiative transfer in 2D irregular enclosures with obstacles based on unstructured spatial elements. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , <b>2022</b> , 280, 108082	2.1	0
140	Near-junction microfluidic cooling for GaN HEMT with capped diamond heat spreader. <i>International Journal of Heat and Mass Transfer</i> , <b>2022</b> , 186, 122476	4.9	2
139	Preparation and thermal characterization of n-octadecane/pentafluorostyrene nanocapsules for phase-change energy storage. <i>Journal of Energy Storage</i> , <b>2021</b> , 35, 102327	7.8	7
138	Recent trends on nanofluid heat transfer machine learning research applied to renewable energy. <i>Renewable and Sustainable Energy Reviews</i> , <b>2021</b> , 138, 110494	16.2	17
137	Thickness Dependence and Anisotropy of Capped Diamond Thermal Conductivity on Cooling of Pulse-Operated GaN HEMTs. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , <b>2021</b> , 11, 233-240	1.7	6
136	Integrated sensor with a whispering-gallery mode and surface plasmonic resonance for the enhanced detection of viruses. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2021</b> , 38, 2855 <sup>1-7</sup>	1.7	1
135	Thermal effect of epilayer on phonon transport of semiconducting heterostructure interfaces. <i>International Journal of Heat and Mass Transfer</i> , <b>2021</b> , 178, 121613	4.9	2
134	Enhanced absorption of solar energy in a daylighting louver with Ni-water nanofluid. <i>International Journal of Heat and Mass Transfer</i> , <b>2020</b> , 158, 119921	4.9	9
133	High thermal conductance across c-BN/diamond interface. <i>Diamond and Related Materials</i> , <b>2020</b> , 108, 107979	3.5	5
132	A REVIEW ON HEAT TRANSFER ENHANCEMENT WITH NANOFUIDS. <i>Journal of Enhanced Heat Transfer</i> , <b>2020</b> , 27, 1-70	1.7	25
131	Enhancement of Hot Spot Cooling by Capped Diamond Layer Deposition for Multifinger AlGaIn/GaN HEMTs. <i>IEEE Transactions on Electron Devices</i> , <b>2020</b> , 67, 47-52	2.9	13
130	Interfacial Thermal Conductance across Graphene/MoS <sub>2</sub> van der Waals Heterostructures. <i>Energies</i> , <b>2020</b> , 13, 5851	3.1	5
129	Spectral investigation of solar energy absorption and light transmittance in a water-filled prismatic glass louver. <i>Solar Energy</i> , <b>2019</b> , 179, 164-173	6.8	6
128	Monitor in situ superconducting temperature via optical whispering-gallery mode sensors. <i>Journal Physics D: Applied Physics</i> , <b>2019</b> , 52, 175101	3	2
127	Modeling temperature distribution upon liquid-nitrogen injection into a self heating coal mine goaf. <i>Chemical Engineering Research and Design</i> , <b>2019</b> , 126, 278-286	5.5	27
126	The spatial and angular domain decomposition method for radiation heat transfer in 2D rectangular enclosures with discontinuous boundary conditions. <i>International Journal of Thermal Sciences</i> , <b>2019</b> , 146, 106091	4.1	7
125	ENHANCED CONDUCTION AND POOL BOILING HEAT TRANSFER ON SINGLE-LAYER GRAPHENE-COATED SUBSTRATES. <i>Journal of Enhanced Heat Transfer</i> , <b>2019</b> , 26, 127-143	1.7	6

124	HEAT TRANSFER ENHANCEMENT - A BRIEF REVIEW OF 2018 LITERATURE. <i>Journal of Enhanced Heat Transfer</i> , <b>2019</b> , 26, 429-449	1.7	11
123	USING ORGANIC PHASE-CHANGE MATERIALS FOR ENHANCED ENERGY STORAGE IN WATER HEATERS: AN EXPERIMENTAL STUDY. <i>Journal of Enhanced Heat Transfer</i> , <b>2019</b> , 26, 167-178	1.7	2
122	Low power femtosecond tip-based nanofabrication with advanced control. <i>Applied Physics B: Lasers and Optics</i> , <b>2018</b> , 124, 1	1.9	2
121	Spectral Monte Carlo simulation of collimated solar irradiation transfer in a water-filled prismatic louver. <i>Applied Optics</i> , <b>2018</b> , 57, 3021-3030	1.7	5
120	Wavelet analysis on the turbulent flow structure of a T-junction. <i>International Journal of Heat and Fluid Flow</i> , <b>2018</b> , 73, 124-142	2.4	15
119	PREDICTION OF SELF-IGNITION FIRE PROPAGATION AND COAL LOSS IN AN INCLINED SEAM. <i>Heat Transfer Research</i> , <b>2018</b> , 49, 827-845	3.9	3
118	First-principles investigation on thermal properties and infrared spectra of imperfect graphene. <i>Applied Thermal Engineering</i> , <b>2017</b> , 116, 456-462	5.8	10
117	Unsteady simulation for optimal arrangement of dedusting airduct in coal mine heading face. <i>Journal of Loss Prevention in the Process Industries</i> , <b>2017</b> , 46, 45-53	3.5	15
116	Heat transfer and thermodynamic processes in coal-bearing strata under the spontaneous combustion condition. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2017</b> , 71, 1-16	2.3	23
115	Experimental and in-situ estimation on hydrogen and methane emission from spontaneous gasification in coal fire. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 18728-18733	6.7	23
114	Experimental investigation of heat transfer with ash deposition in ultra-low temperature WHRS of coal-fired power plant. <i>Applied Thermal Engineering</i> , <b>2017</b> , 123, 1181-1189	5.8	3
113	An experimental study of ash particles adhesion force in flue gas. <i>Advanced Powder Technology</i> , <b>2017</b> , 28, 1435-1442	4.6	7
112	A molecular dynamics study of phobic/philic nano-patterning on pool boiling heat transfer. <i>Heat and Mass Transfer</i> , <b>2017</b> , 53, 1061-1071	2.2	20
111	Molecular dynamics study of wettability and pitch effects on maximum critical heat flux in evaporation and pool boiling heat transfer. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2017</b> , 72, 891-903	2.3	27
110	Investigation on evaluation criteria of axial wall heat conduction under two classical thermal boundary conditions. <i>Applied Energy</i> , <b>2016</b> , 162, 1662-1669	10.7	11
109	Flow and heat transfer inside a new diversion-type gas heating device. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2016</b> , 70, 1-13	2.3	3
108	Application of Hydrodynamic Cavitation to Wastewater Treatment. <i>Chemical Engineering and Technology</i> , <b>2016</b> , 39, 1363-1376	2	60
107	3-D simulation of gases transport under condition of inert gas injection into goaf. <i>Heat and Mass Transfer</i> , <b>2016</b> , 52, 2723-2734	2.2	27

106	Improved Treatment of Anisotropic Scattering in Radiation Transfer Analysis Using the Finite Volume Method. <i>Heat Transfer Engineering</i> , <b>2016</b> , 37, 341-350	1.7	9
105	Predication of nonlinear heat transfer in a convective-radiative fin with temperature-dependent properties by the collocation spectral method. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , <b>2016</b> , 69, 68-83	1.3	39
104	On-chip, dynamic, and cryogenic temperature monitoring via PDMS micro-bead coatings. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2016</b> , 54, 1118-1124	2.6	9
103	Selected Papers from the 2nd International Workshop on Heat Transfer Advances for Energy Conservation and Pollution Control (IWHT2013). <i>Heat Transfer Engineering</i> , <b>2016</b> , 37, 243-245	1.7	1
102	An experimental study of ash accumulation in flue gas. <i>Advanced Powder Technology</i> , <b>2016</b> , 27, 1473-1480	1.6	9
101	Numerical smearing, ray effect, and angular false scattering in radiation transfer computation. <i>International Journal of Heat and Mass Transfer</i> , <b>2015</b> , 81, 63-74	4.9	30
100	Improved Treatment of Anisotropic Scattering for Ultrafast Radiative Transfer Analysis. <i>Journal of Heat Transfer</i> , <b>2015</b> , 137,	1.8	3
99	Applicability of Phase-Function Normalization Techniques for Radiation Transfer Computation. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , <b>2015</b> , 67, 1-24	1.3	4
98	Normalization of Various Phase Functions for Radiative Heat Transfer Analysis in a Solar Absorber Tube. <i>Heat Transfer Engineering</i> , <b>2014</b> , 35, 791-801	1.7	6
97	A New and Simple Technique to Normalize the HG Phase Function for Conserving Scattered Energy and Asymmetry Factor. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , <b>2014</b> , 65, 195-217	1.3	23
96	Molecular dynamics simulation of heat conduction in Si nano-films induced by ultrafast laser heating. <i>Thin Solid Films</i> , <b>2014</b> , 558, 455-461	2.2	5
95	On contact point modifications for forced convective heat transfer analysis in a structured packed bed of spheres. <i>Nuclear Engineering and Design</i> , <b>2014</b> , 270, 21-33	1.8	70
94	Improved thermal properties of paraffin wax by the addition of TiO <sub>2</sub> nanoparticles. <i>Applied Thermal Engineering</i> , <b>2014</b> , 73, 1541-1547	5.8	91
93	Numerical Investigations on the Thermohydraulic Performance of Cross-Wavy Channels with Multi-Periodic Boundary Conditions. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2014</b> , 65, 732-749	2.3	17
92	Fluid-to-fluid modeling study on critical heat flux of R134a flow boiling in helically-coiled horizontal tubes <b>2014</b> ,		1
91	Natural convection and radiation heat transfer of an externally-finned tube vertically placed in a chamber. <i>Heat and Mass Transfer</i> , <b>2013</b> , 49, 405-412	2.2	14
90	Simulation of gas exothermic chemical reaction in porous media reactor with lattice Boltzmann method. <i>Journal of Thermal Science</i> , <b>2013</b> , 22, 42-47	1.9	9
89	Transient Prediction of Radiation Response in a 3-D Scattering-Absorbing Medium Subjected to a Collimated Short Square Pulse Train. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2013</b> , 63, 327-346	2.3	13

88	Comparison of Quadrature Schemes in DOM for Anisotropic Scattering Radiative Transfer Analysis. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , <b>2013</b> , 63, 485-507	1.3	17
87	Whispering-gallery mode composite sensors for on-chip dynamic temperature monitoring. <i>Measurement Science and Technology</i> , <b>2013</b> , 24, 075103	2	14
86	Comparison of Transmitted Pulse Trains Predicted by Duhamel's Superposition Theorem and Direct Pulse Simulation in a 3-D Discrete Ordinates System. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , <b>2013</b> , 63, 189-203	1.3	4
85	ADVANCES IN ULTRAFAST RADIATIVE TRANSFER MODELING AND APPLICATIONS: A REVIEW. <i>Heat Transfer Research</i> , <b>2013</b> , 44, 303-344	3.9	4
84	THERMAL ANALYSIS AND EXPERIMENTS OF LASER-MISSILE INTERACTIONS: A REVIEW. <i>Heat Transfer Research</i> , <b>2013</b> , 44, 345-388	3.9	7
83	Phase-Function Normalization in the 3-D Discrete-Ordinates Solution of Radiative Transfer PART I: Conservation of Scattered Energy and Asymmetry Factor. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , <b>2012</b> , 62, 203-222	1.3	12
82	Analysis of plasma-mediated ablation in aqueous tissue. <i>Applied Surface Science</i> , <b>2012</b> , 258, 6266-6271	6.7	3
81	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> , <b>2012</b> , 39, 582-586	5.8	8
80	Conservation of asymmetry factor in phase function discretization for radiative transfer analysis in anisotropic scattering media. <i>International Journal of Heat and Mass Transfer</i> , <b>2012</b> , 55, 1544-1552	4.9	33
79	Reduction of angle splitting and computational time for the finite volume method in radiative transfer analysis via phase function normalization. <i>International Journal of Heat and Mass Transfer</i> , <b>2012</b> , 55, 2449-2460	4.9	18
78	Numerical characterization of multi-nozzle spray cooling. <i>Applied Thermal Engineering</i> , <b>2012</b> , 39, 163-170	5.8	28
77	Phase-function normalization for accurate analysis of ultrafast collimated radiative transfer. <i>Applied Optics</i> , <b>2012</b> , 51, 2192-201	1.7	13
76	Phase-Function Normalization in the 3-D Discrete-Ordinates Solution of Radiative Transfer PART II: Benchmark Comparisons. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , <b>2012</b> , 62, 223-242	1.3	12
75	Nanofiltration and sensing of picomolar chemical residues in aqueous solution using an optical porous resonator in a microelectrofluidic channel. <i>Nanotechnology</i> , <b>2012</b> , 23, 065502	3.4	2
74	Ultrafast Radiative Heat Transfer in Three-Dimensional Highly-Scattering Media Subjected to Pulse Train Irradiation. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2011</b> , 59, 653-671	2.3	12
73	Biosensing in a microelectrofluidic system using optical whispering-gallery mode spectroscopy. <i>Biomicrofluidics</i> , <b>2011</b> , 5, 34114-34114	3.2	5
72	Convective heat transfer characteristics of China RP-3 aviation kerosene at supercritical pressure. <i>Applied Thermal Engineering</i> , <b>2011</b> , 31, 2360-2366	5.8	78
71	Modeling of ultrashort pulsed laser ablation in water and biological tissues in cylindrical coordinates. <i>Applied Physics B: Lasers and Optics</i> , <b>2011</b> , 103, 195-205	1.9	13

70	Advances in Organic Liquid-Gas Chemical Heat Pumps. <i>Chemical Engineering and Technology</i> , <b>2011</b> , 34, 1603-1613	2	4
69	Comparison of the Discrete-Ordinates Method and the Finite-Volume Method for Steady-State and Ultrafast Radiative Transfer Analysis in Cylindrical Coordinates. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , <b>2011</b> , 59, 339-359	1.3	38
68	Experimental characterization of heat transfer in non-boiling spray cooling with two nozzles. <i>Applied Thermal Engineering</i> , <b>2011</b> , 31, 1790-1797	5.8	34
67	Spectral shift response of optical whispering-gallery modes due to water vapor adsorption and desorption. <i>Measurement Science and Technology</i> , <b>2010</b> , 21, 115206	2	24
66	Whispering-gallery mode silica microsensors for cryogenic to room temperature measurement. <i>Measurement Science and Technology</i> , <b>2010</b> , 21, 025310	2	53
65	Whispering-Gallery Mode Silica Micro-Sensors for Temperature and Gas-Phase Concentration Measurements <b>2010</b> ,		4
64	Effective removal of adhering cells via ultrashort laser pulses. <i>Optics and Laser Technology</i> , <b>2010</b> , 42, 447-451	4.2	10
63	Ultrashort pulsed laser ablation and stripping of freeze-dried dermis. <i>Lasers in Medical Science</i> , <b>2010</b> , 25, 517-24	3.1	15
62	Plasma-mediated ablation of biofilm contamination. <i>Applied Surface Science</i> , <b>2010</b> , 257, 1247-1253	6.7	5
61	Micro-temperature sensor based on optical whispering gallery mode of fiber taper-microsphere coupling system <b>2009</b> ,		1
60	Ultra-short pulsed laser PDMS thin-layer separation and micro-fabrication. <i>Journal of Micromechanics and Microengineering</i> , <b>2009</b> , 19, 055007	2	31
59	Human dermis separation via ultra-short pulsed laser plasma-mediated ablation. <i>Journal Physics D: Applied Physics</i> , <b>2009</b> , 42, 165204	3	25
58	Analyses of whispering-gallery modes in small resonators. <i>Journal of Micro/Nanolithography, MEMS, and MOEMS</i> , <b>2009</b> , 8, 033060	0.7	6
57	Thermal interaction of short-pulsed laser focused beams with skin tissues. <i>Physics in Medicine and Biology</i> , <b>2009</b> , 54, 4225-41	3.8	45
56	Temperature sensitivity of silica micro-resonators. <i>Journal Physics D: Applied Physics</i> , <b>2008</b> , 41, 245111	3	51
55	Bio-Heat Transfer in a Model Skin Subject to a Train of Short Pulse Irradiation <b>2008</b> ,		2
54	Fabrication, Characterization and Microsensing of Whispering-Gallery Mode Micro-Coupling Systems <b>2008</b> ,		1
53	Bio-heat transfer analysis during short pulse laser irradiation of tissues. <i>International Journal of Heat and Mass Transfer</i> , <b>2008</b> , 51, 5511-5521	4.9	171

52	Simulated parametric studies in optical imaging of tumors through temporal log-slope difference mapping. <i>Medical Engineering and Physics</i> , <b>2007</b> , 29, 1142-8	2.4	1
51	Multi-time-scale heat transfer modeling of turbid tissues exposed to short-pulsed irradiations. <i>Computer Methods and Programs in Biomedicine</i> , <b>2007</b> , 86, 112-23	6.9	53
50	Experimental Measurements and Numerical Modeling Validation of Temperature Distribution in Tissue Medium During Short Pulse Laser Irradiation <b>2007</b> , 9		1
49	Simulation of single transparent molecule interaction with an optical microcavity. <i>Nanotechnology</i> , <b>2007</b> , 18, 375702	3.4	17
48	Energy Transfer to Optical Microcavities With Waveguides. <i>Journal of Heat Transfer</i> , <b>2007</b> , 129, 44-52	1.8	7
47	Analytical Solution of Whispering-Gallery Modes <b>2007</b> , 489		1
46	Near-field gap effects on small microcavity whispering-gallery mode resonators. <i>Journal Physics D: Applied Physics</i> , <b>2006</b> , 39, 5133-5136	3	48
45	Numerical characterization of whispering-gallery mode optical microcavities. <i>Applied Optics</i> , <b>2006</b> , 45, 611-8	1.7	17
44	Energy Transfer and Molecule-Radiation Interaction in Optical Microcavities <b>2006</b> , 437		
43	Optical imaging of breast tumor through temporal log-slope difference mappings. <i>Computers in Biology and Medicine</i> , <b>2006</b> , 36, 209-23	7	30
42	Correlative studies in optical reflectance measurements of cerebral blood oxygenation. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , <b>2006</b> , 98, 189-201	2.1	13
41	Mechanistic insight into acetylcholinesterase inhibition and acute toxicity of organophosphorus compounds: a molecular modeling study. <i>Chemical Research in Toxicology</i> , <b>2006</b> , 19, 209-16	4	38
40	Imaging analysis of digital holography. <i>Optics Express</i> , <b>2005</b> , 13, 2444-52	3.3	83
39	Heat Transfer in Ultrafast Laser Tissue Welding <b>2005</b> , 287		
38	Characterization of Optical Microcavity Whispering-Gallery-Mode Resonators <b>2005</b> , 381		
37	Ultrafast Laser Radiation and Conduction Heat Transfer in Biological Tissues <b>2005</b> , 589		1
36	Simulation of whispering-gallery-mode resonance shifts for optical miniature biosensors. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , <b>2005</b> , 93, 231-243	2.1	46
35	Optical Resonance in Fabricated Whispering-Gallery Mode Microcavity. <i>Journal of Heat Transfer</i> , <b>2005</b> , 127, 808-808	1.8	3

34	Design, fabrication, and characterization of whispering-gallery mode miniature sensors <b>2005</b> ,		1
33	Radiation Transfer in Whispering-Gallery Mode Microcavities <b>2005</b> , 731		
32	Parametric studies of whispering-gallery mode resonators <b>2004</b> ,		2
31	Noninvasive detection of inhomogeneities in turbid media with time-resolved log-slope analysis. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , <b>2004</b> , 84, 493-500	2.1	28
30	ULTRAFAST RADIATION HEAT TRANSFER IN LASER TISSUE WELDING AND SOLDERING. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2004</b> , 46, 23-40	2.3	65
29	Fast 3-d optical imaging with transient fluorescence signals. <i>Optics Express</i> , <b>2004</b> , 12, 449-57	3.3	29
28	Discrete Ordinates Method for Transient Radiation Transfer in Cylindrical Enclosures <b>2003</b> , 69		
27	Comparing Diffusion Approximation with Radiation Transfer Analysis for Light Transport in Tissues. <i>Optical Review</i> , <b>2003</b> , 10, 415-421	0.9	15
26	Ultrafast-laser-radiation transfer in heterogeneous tissues with the discrete-ordinates method. <i>Applied Optics</i> , <b>2003</b> , 42, 2897-905	1.7	39
25	Monte Carlo simulation and experiments of pulsed radiative transfer. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , <b>2002</b> , 73, 159-168	2.1	77
24	Improvement of computational time in radiative heat transfer of three-dimensional participating media using the radiation element method. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , <b>2002</b> , 73, 239-248	2.1	17
23	Three-Dimensional Discrete Ordinates Method in Transient Radiative Transfer. <i>Journal of Thermophysics and Heat Transfer</i> , <b>2002</b> , 16, 289-296	1.3	64
22	Experimental and Numerical Studies of Short Pulse Propagation in Model Systems <b>2002</b> ,		2
21	Prediction of Radiative Heat Transfer in Industrial Equipment Using the Radiation Element Method. <i>Journal of Pressure Vessel Technology, Transactions of the ASME</i> , <b>2001</b> , 123, 530-536	1.2	4
20	RADIATION ELEMENT METHOD FOR TRANSIENT HYPERBOLIC RADIATIVE TRANSFER IN PLANE-PARALLEL INHOMOGENEOUS MEDIA. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , <b>2001</b> , 39, 371-387	1.3	46
19	Discrete-ordinates solution of short-pulsed laser transport in two-dimensional turbid media. <i>Applied Optics</i> , <b>2001</b> , 40, 3156-63	1.7	97
18	Advanced Energy Conversion Technologies. Radiative Heat Transfer in a Boiler Model with High CO <sub>2</sub> Concentration.. <i>Kagaku Kogaku Ronbunshu</i> , <b>2000</b> , 26, 174-179	0.4	1
17	Radiative heat transfer in inhomogeneous, nongray, and anisotropically scattering media. <i>International Journal of Heat and Mass Transfer</i> , <b>2000</b> , 43, 2325-2336	4.9	42

16	Equivalent isotropic scattering formulation for transient short-pulse radiative transfer in anisotropic scattering planar media. <i>Applied Optics</i> , <b>2000</b> , 39, 4411-7	1.7	31
15	Multidimensional Monte Carlo Simulation of Short-Pulse Laser Transport in Scattering Media. <i>Journal of Thermophysics and Heat Transfer</i> , <b>2000</b> , 14, 504-511	1.3	60
14	Radiative Heat Transfer in Arbitrary Configurations With Nongray Absorbing, Emitting, and Anisotropic Scattering Media. <i>Journal of Heat Transfer</i> , <b>1999</b> , 121, 722-726	1.8	20
13	Rapid yet accurate measurement of mass diffusion coefficients by phase shifting interferometer. <i>Journal Physics D: Applied Physics</i> , <b>1999</b> , 32, 995-999	3	23
12	Scaling anisotropic scattering in radiative transfer in three-dimensional nonhomogeneous media. <i>International Communications in Heat and Mass Transfer</i> , <b>1999</b> , 26, 997-1007	5.8	31
11	Technical Note Conjugate heat and mass transfer in metal hydride beds in the hydriding process. <i>International Journal of Heat and Mass Transfer</i> , <b>1999</b> , 42, 379-382	4.9	16
10	Enhancement of heat and mass transfer in metal hydride beds with the addition of Al plates. <i>Heat and Mass Transfer</i> , <b>1999</b> , 34, 517-523	2.2	6
9	Global heat transfer analysis in Czochralski silicon furnace with radiation on curved specular surfaces. <i>Heat and Mass Transfer</i> , <b>1999</b> , 35, 185-190	2.2	2
8	Combined heat transfer in floating zone growth of large silicon crystals with radiation on diffuse and specular surfaces. <i>Journal of Crystal Growth</i> , <b>1998</b> , 194, 321-330	1.6	23
7	Radiative Heat Transfer in Silicon Floating Zone Furnace with Specular Reflection on Concave Surfaces.. <i>JSME International Journal Series B</i> , <b>1998</b> , 41, 888-894		4
6	RADIATIVE HEAT TRANSFER IN CURVED SPECULAR SURFACES IN CZOCHRALSKI CRYSTAL GROWTH FURNACE. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>1997</b> , 32, 595-611	2.3	14
5	PULSATING FLOW AND HEAT TRANSFER IN AN ANNULUS PARTIALLY FILLED WITH POROUS MEDIA. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>1997</b> , 31, 517-527	2.3	11
4	Analysis of the Nusselt number in pulsating pipe flow. <i>International Journal of Heat and Mass Transfer</i> , <b>1997</b> , 40, 2486-2489	4.9	63
3	Pulsating flow and heat transfer in a pipe partially filled with a porous medium. <i>International Journal of Heat and Mass Transfer</i> , <b>1997</b> , 40, 4209-4218	4.9	57
2	Solution of the Diffusion Equations in a Gas Centrifuge for Separation of Multi component Mixtures. <i>Separation Science and Technology</i> , <b>1996</b> , 31, 2455-2471	2.5	26
1	Thermal characterization and analysis of n-octadecane microcapsules modified with MnO <sub>2</sub> particles. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>1996</b> , 44, 1-10	4.1	1