Zhixiong Guo

List of Publications by Year
in descending order

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198	4,011	101496	143943
papers	citations	36 h-index	57 g-index

199	199	199	2488
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bio-heat transfer analysis during short pulse laser irradiation of tissues. International Journal of Heat and Mass Transfer, 2008, 51, 5511-5521.	2.5	232
2	Improved thermal properties of paraffin wax by the addition of TiO2 nanoparticles. Applied Thermal Engineering, 2014, 73, 1541-1547.	3.0	142
3	Discrete-ordinates solution of short-pulsed laser transport in two-dimensional turbid media. Applied Optics, 2001, 40, 3156.	2.1	123
4	Imaging analysis of digital holography. Optics Express, 2005, 13, 2444.	1.7	115
5	Application of Hydrodynamic Cavitation toÂWastewater Treatment. Chemical Engineering and Technology, 2016, 39, 1363-1376.	0.9	104
6	On contact point modifications for forced convective heat transfer analysis in a structured packed bed of spheres. Nuclear Engineering and Design, 2014, 270, 21-33.	0.8	102
7	Convective heat transfer characteristics of China RP-3 aviation kerosene at supercritical pressure. Applied Thermal Engineering, 2011, 31, 2360-2366.	3.0	97
8	Monte Carlo simulation and experiments of pulsed radiative transfer. Journal of Quantitative Spectroscopy and Radiative Transfer, 2002, 73, 159-168.	1.1	95
9	Three-Dimensional Discrete Ordinates Method in Transient Radiative Transfer. Journal of Thermophysics and Heat Transfer, 2002, 16, 289-296.	0.9	93
10	Recent trends on nanofluid heat transfer machine learning research applied to renewable energy. Renewable and Sustainable Energy Reviews, 2021, 138, 110494.	8.2	87
11	ULTRAFAST RADIATION HEAT TRANSFER IN LASER TISSUE WELDING AND SOLDERING. Numerical Heat Transfer; Part A: Applications, 2004, 46, 23-40.	1.2	85
12	Thermal interaction of short-pulsed laser focused beams with skin tissues. Physics in Medicine and Biology, 2009, 54, 4225-4241.	1.6	84
13	Analysis of the Nusselt number in pulsating pipe flow. International Journal of Heat and Mass Transfer, 1997, 40, 2486-2489.	2.5	81
14	Multidimensional Monte Carlo Simulation of Short-Pulse Laser Transport in Scattering Media. Journal of Thermophysics and Heat Transfer, 2000, 14, 504-511.	0.9	78
15	Whispering-gallery mode silica microsensors for cryogenic to room temperature measurement. Measurement Science and Technology, 2010, 21, 025310.	1.4	73
16	Pulsating flow and heat transfer in a pipe partially filled with a porous medium. International Journal of Heat and Mass Transfer, 1997, 40, 4209-4218.	2.5	72
17	Multi-time-scale heat transfer modeling of turbid tissues exposed to short-pulsed irradiations. Computer Methods and Programs in Biomedicine, 2007, 86, 112-123.	2.6	68
18	Temperature sensitivity of silica micro-resonators. Journal Physics D: Applied Physics, 2008, 41, 245111.	1.3	65

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19	Simulation of whispering-gallery-mode resonance shifts for optical miniature biosensors. Journal of Quantitative Spectroscopy and Radiative Transfer, 2005, 93, 231-243.	1.1	64
20	RADIATION ELEMENT METHOD FOR TRANSIENT HYPERBOLIC RADIATIVE TRANSFER IN PLANE-PARALLEL INHOMOGENEOUS MEDIA. Numerical Heat Transfer, Part B: Fundamentals, 2001, 39, 371-387.	0.6	58
21	A REVIEW ON HEAT TRANSFER ENHANCEMENT WITH NANOFLUIDS. Journal of Enhanced Heat Transfer, 2020, 27, 1-70.	0.5	56
22	Near-field gap effects on small microcavity whispering-gallery mode resonators. Journal Physics D: Applied Physics, 2006, 39, 5133-5136.	1.3	55
23	Molecular dynamics study of wettability and pitch effects on maximum critical heat flux in evaporation and pool boiling heat transfer. Numerical Heat Transfer; Part A: Applications, 2017, 72, 891-903.	1.2	54
24	Ultrafast-laser-radiation transfer in heterogeneous tissues with the discrete-ordinates method. Applied Optics, 2003, 42, 2897.	2.1	53
25	Modeling temperature distribution upon liquid-nitrogen injection into a self heating coal mine goaf. Chemical Engineering Research and Design, 2019, 126, 278-286.	2.7	53
26	Experimental characterization of heat transfer in non-boiling spray cooling with two nozzles. Applied Thermal Engineering, 2011, 31, 1790-1797.	3.0	50
27	Mechanistic Insight into Acetylcholinesterase Inhibition and Acute Toxicity of Organophosphorus Compounds:Â A Molecular Modeling Study. Chemical Research in Toxicology, 2006, 19, 209-216.	1.7	48
28	Comparison of the Discrete-Ordinates Method and the Finite-Volume Method for Steady-State and Ultrafast Radiative Transfer Analysis in Cylindrical Coordinates. Numerical Heat Transfer, Part B: Fundamentals, 2011, 59, 339-359.	0.6	48
29	Predication of nonlinear heat transfer in a convective-radiative fin with temperature-dependent properties by the collocation spectral method. Numerical Heat Transfer, Part B: Fundamentals, 2016, 69, 68-83.	0.6	47
30	Radiative heat transfer in inhomogeneous, nongray, and anisotropically scattering media. International Journal of Heat and Mass Transfer, 2000, 43, 2325-2336.	2.5	46
31	Numerical characterization of multi-nozzle spray cooling. Applied Thermal Engineering, 2012, 39, 163-170.	3.0	44
32	3-D simulation of gases transport under condition of inert gas injection into goaf. Heat and Mass Transfer, 2016, 52, 2723-2734.	1.2	41
33	Fast 3-D Optical Imaging With Transient Fluorescence Signals. Optics Express, 2004, 12, 449.	1.7	40
34	Conservation of asymmetry factor in phase function discretization for radiative transfer analysis in anisotropic scattering media. International Journal of Heat and Mass Transfer, 2012, 55, 1544-1552.	2.5	40
35	Equivalent isotropic scattering formulation for transient short-pulse radiative transfer in anisotropic scattering planar media. Applied Optics, 2000, 39, 4411.	2.1	39
36	Ultra-short pulsed laser PDMS thin-layer separation and micro-fabrication. Journal of Micromechanics and Microengineering, 2009, 19, 055007.	1.5	37

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37	Optical imaging of breast tumor through temporal log-slope difference mappings. Computers in Biology and Medicine, 2006, 36, 209-223.	3.9	36
38	A molecular dynamics study of phobic/philic nano-patterning on pool boiling heat transfer. Heat and Mass Transfer, 2017, 53, 1061-1071.	1.2	36
39	Noninvasive detection of inhomogeneities in turbid media with time-resolved log-slope analysis. Journal of Quantitative Spectroscopy and Radiative Transfer, 2004, 84, 493-500.	1.1	35
40	Spectral shift response of optical whispering-gallery modes due to water vapor adsorption and desorption. Measurement Science and Technology, 2010, 21, 115206.	1.4	35
41	Scaling anisotropic scattering in radiative transfer in three-dimensional nonhomogeneous media. International Communications in Heat and Mass Transfer, 1999, 26, 997-1007.	2.9	34
42	Numerical smearing, ray effect, and angular false scattering in radiation transfer computation. International Journal of Heat and Mass Transfer, 2015, 81, 63-74.	2.5	34
43	Human dermis separation via ultra-short pulsed laser plasma-mediated ablation. Journal Physics D: Applied Physics, 2009, 42, 165204.	1.3	33
44	Preparation and thermal characterization of n-octadecane/pentafluorostyrene nanocapsules for phase-change energy storage. Journal of Energy Storage, 2021, 35, 102327.	3.9	33
45	Experimental and in-situ estimation on hydrogen and methane emission from spontaneous gasification in coal fire. International Journal of Hydrogen Energy, 2017, 42, 18728-18733.	3.8	30
46	HEAT TRANSFER ENHANCEMENT - A BRIEF REVIEW OF 2018 LITERATURE. Journal of Enhanced Heat Transfer, 2019, 26, 429-449.	0.5	29
47	Solution of the Diffusion Equations in a Gas Centrifuge for Separation of Multi component Mixtures. Separation Science and Technology, 1996, 31, 2455-2471.	1.3	28
48	Rapid yet accurate measurement of mass diffusion coefficients by phase shifting interferometer. Journal Physics D: Applied Physics, 1999, 32, 995-999.	1.3	28
49	Combined heat transfer in floating zone growth of large silicon crystals with radiation on diffuse and specular surfaces. Journal of Crystal Growth, 1998, 194, 321-330.	0.7	25
50	A New and Simple Technique to Normalize the HG Phase Function for Conserving Scattered Energy and Asymmetry Factor. Numerical Heat Transfer, Part B: Fundamentals, 2014, 65, 195-217.	0.6	25
51	Heat transfer and thermodynamic processes in coal-bearing strata under the spontaneous combustion condition. Numerical Heat Transfer; Part A: Applications, 2017, 71, 1-16.	1.2	25
52	Numerical characterization of whispering-gallery mode optical microcavities. Applied Optics, 2006, 45, 611.	2.1	24
53	Wavelet analysis on the turbulent flow structure of a T-junction. International Journal of Heat and Fluid Flow, 2018, 73, 124-142.	1.1	24
54	Technical Note Conjugate heat and mass transfer in metal hydride beds in the hydriding process. International Journal of Heat and Mass Transfer, 1999, 42, 379-382.	2.5	22

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55	Simulation of single transparent molecule interaction with an optical microcavity. Nanotechnology, 2007, 18, 375702.	1.3	22
56	Modeling of ultrashort pulsed laser ablation in water andÂbiological tissues in cylindrical coordinates. Applied Physics B: Lasers and Optics, 2011, 103, 195-205.	1.1	22
57	Radiative Heat Transfer in Arbitrary Configurations With Nongray Absorbing, Emitting, and Anisotropic Scattering Media. Journal of Heat Transfer, 1999, 121, 722-726.	1.2	21
58	Comparing Diffusion Approximation with Radiation Transfer Analysis for Light Transport in Tissues. Optical Review, 2003, 10, 415-421.	1.2	21
59	Reduction of angle splitting and computational time for the finite volume method in radiative transfer analysis via phase function normalization. International Journal of Heat and Mass Transfer, 2012, 55, 2449-2460.	2.5	21
60	Comparison of Quadrature Schemes in DOM for Anisotropic Scattering Radiative Transfer Analysis. Numerical Heat Transfer, Part B: Fundamentals, 2013, 63, 485-507.	0.6	21
61	ENHANCED CONDUCTION AND POOL BOILING HEAT TRANSFER ON SINGLE-LAYER GRAPHENE-COATED SUBSTRATES. Journal of Enhanced Heat Transfer, 2019, 26, 127-143.	0.5	21
62	Numerical Investigations on the Thermohydraulic Performance of Cross-Wavy Channels with Multi-Periodic Boundary Conditions. Numerical Heat Transfer; Part A: Applications, 2014, 65, 732-749.	1.2	20
63	Enhanced absorption of solar energy in a daylighting louver with Ni-water nanofluid. International Journal of Heat and Mass Transfer, 2020, 158, 119921.	2.5	20
64	Improvement of computational time in radiative heat transfer of three-dimensional participating media using the radiation element method. Journal of Quantitative Spectroscopy and Radiative Transfer, 2002, 73, 239-248.	1.1	19
65	Ultrashort pulsed laser ablation and stripping of freeze-dried dermis. Lasers in Medical Science, 2010, 25, 517-524.	1.0	19
66	RADIATIVE HEAT TRANSFER IN CURVED SPECULAR SURFACES IN CZOCHRALSKI CRYSTAL GROWTH FURNACE. Numerical Heat Transfer; Part A: Applications, 1997, 32, 595-611.	1.2	17
67	Enhancement of Hot Spot Cooling by Capped Diamond Layer Deposition for Multifinger AlGaN/GaN HEMTs. IEEE Transactions on Electron Devices, 2020, 67, 47-52.	1.6	17
68	Ultrafast Radiative Heat Transfer in Three-Dimensional Highly-Scattering Media Subjected to Pulse Train Irradiation. Numerical Heat Transfer; Part A: Applications, 2011, 59, 653-671.	1.2	16
69	Phase-function normalization for accurate analysis of ultrafast collimated radiative transfer. Applied Optics, 2012, 51, 2192.	0.9	16
70	Natural convection and radiation heat transfer of an externally-finned tube vertically placed in a chamber. Heat and Mass Transfer, 2013, 49, 405-412.	1.2	16
71	Whispering-gallery mode composite sensors for on-chip dynamic temperature monitoring. Measurement Science and Technology, 2013, 24, 075103.	1.4	16
72	Thickness Dependence and Anisotropy of Capped Diamond Thermal Conductivity on Cooling of Pulse-Operated GaN HEMTs. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2021, 11, 233-240.	1.4	16

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73	Investigation on evaluation criteria of axial wall heat conduction under two classical thermal boundary conditions. Applied Energy, 2016, 162, 1662-1669.	5.1	15
74	Unsteady simulation for optimal arrangement of dedusting airduct in coal mine heading face. Journal of Loss Prevention in the Process Industries, 2017, 46, 45-53.	1.7	15
75	Phase-Function Normalization in the 3-D Discrete-Ordinates Solution of Radiative Transferâ€"PART I: Conservation of Scattered Energy and Asymmetry Factor. Numerical Heat Transfer, Part B: Fundamentals, 2012, 62, 203-222.	0.6	14
76	Transient Prediction of Radiation Response in a 3-D Scattering-Absorbing Medium Subjected to a Collimated Short Square Pulse Train. Numerical Heat Transfer; Part A: Applications, 2013, 63, 327-346.	1.2	14
77	PULSATING FLOW AND HEAT TRANSFER IN AN ANNULUS PARTIALLY FILLED WITH POROUS MEDIA. Numerical Heat Transfer; Part A: Applications, 1997, 31, 517-527.	1.2	13
78	Correlative studies in optical reflectance measurements of cerebral blood oxygenation. Journal of Quantitative Spectroscopy and Radiative Transfer, 2006, 98, 189-201.	1.1	13
79	Effective removal of adhering cells via ultrashort laser pulses. Optics and Laser Technology, 2010, 42, 447-451.	2.2	13
80	Phase-Function Normalization in the 3-D Discrete-Ordinates Solution of Radiative Transferâ€"PART II: Benchmark Comparisons. Numerical Heat Transfer, Part B: Fundamentals, 2012, 62, 223-242.	0.6	13
81	Near-junction microfluidic cooling for GaN HEMT with capped diamond heat spreader. International Journal of Heat and Mass Transfer, 2022, 186, 122476.	2.5	13
82	Onâ€chip, dynamic, and cryogenic temperature monitoring via PDMS microâ€bead coatings. Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 1118-1124.	2.4	12
83	Interfacial Thermal Conductance across Graphene/MoS2 van der Waals Heterostructures. Energies, 2020, 13, 5851.	1.6	12
84	Thermal effect of epilayer on phonon transport of semiconducting heterostructure interfaces. International Journal of Heat and Mass Transfer, 2021, 178, 121613.	2.5	12
85	Simulation of gas exothermic chemical reaction in porous media reactor with lattice Boltzmann method. Journal of Thermal Science, 2013, 22, 42-47.	0.9	11
86	An experimental study of ash accumulation in flue gas. Advanced Powder Technology, 2016, 27, 1473-1480.	2.0	11
87	First-principles investigation on thermal properties and infrared spectra of imperfect graphene. Applied Thermal Engineering, 2017, 116, 456-462.	3.0	11
88	High thermal conductance across c-BN/diamond interface. Diamond and Related Materials, 2020, 108, 107979.	1.8	11
89	THERMAL ANALYSIS AND EXPERIMENTS OF LASERâ€"TISSUE INTERACTIONS: A REVIEW. Heat Transfer Research, 2013, 44, 345-388.	0.9	10
90	Energy Transfer to Optical Microcavities With Waveguides. Journal of Heat Transfer, 2007, 129, 44-52.	1.2	9

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91	Analyses of whispering-gallery modes in small resonators. Journal of Micro/ Nanolithography, MEMS, and MOEMS, 2009, 8, 033060.	1.0	9
92	Improved Treatment of Anisotropic Scattering in Radiation Transfer Analysis Using the Finite Volume Method. Heat Transfer Engineering, 2016, 37, 341-350.	1.2	9
93	An experimental study of ash particles adhesion force in flue gas. Advanced Powder Technology, 2017, 28, 1435-1442.	2.0	9
94	The spatial and angular domain decomposition method for radiation heat transfer in 2D rectangular enclosures with discontinuous boundary conditions. International Journal of Thermal Sciences, 2019, 146, 106091.	2.6	9
95	A simple method for predicting bulk temperature from tube wall temperature with uniform outside wall heat flux. International Communications in Heat and Mass Transfer, 2012, 39, 582-586.	2.9	8
96	Spectral investigation of solar energy absorption and light transmittance in a water-filled prismatic glass louver. Solar Energy, 2019, 179, 164-173.	2.9	8
97	Thermal characterization and analysis of n-octadecane microcapsules modified with MnO2 particles. Journal of Thermal Analysis and Calorimetry, 2022, 147, 2907-2916.	2.0	8
98	Enhancement of heat and mass transfer in metal hydride beds with the addition of Al plates. Heat and Mass Transfer, 1999, 34, 517-523.	1.2	7
99	Biosensing in a microelectrofluidic system using optical whispering-gallery mode spectroscopy. Biomicrofluidics, 2011, 5, 34114-3411414.	1.2	7
100	Normalization of Various Phase Functions for Radiative Heat Transfer Analysis in a Solar Absorber Tube. Heat Transfer Engineering, 2014, 35, 791-801.	1.2	7
101	Integrated sensor with a whispering-gallery mode and surface plasmonic resonance for the enhanced detection of viruses. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 2855.	0.9	7
102	Spatial-angular spectral element method with discontinuous Galerkin schemes for radiative transfer in 2D irregular enclosures with obstacles based on unstructured spatial elements. Journal of Quantitative Spectroscopy and Radiative Transfer, 2022, 280, 108082.	1.1	7
103	Plasma-mediated ablation of biofilm contamination. Applied Surface Science, 2010, 257, 1247-1253.	3.1	6
104	Molecular dynamics simulation of heat conduction in Si nano-films induced by ultrafast laser heating. Thin Solid Films, 2014, 558, 455-461.	0.8	6
105	Applicability of Phase-Function Normalization Techniques for Radiation Transfer Computation. Numerical Heat Transfer, Part B: Fundamentals, 2015, 67, 1-24.	0.6	6
106	Spectral Monte Carlo simulation of collimated solar irradiation transfer in a water-filled prismatic louver. Applied Optics, 2018, 57, 3021.	0.9	6
107	POOL BOILING ON DEFECTIVE GRAPHENE-COATED SURFACES: A MOLECULAR DYNAMICS STUDY. Journal of Enhanced Heat Transfer, 2021, 28, 85-99.	0.5	6
108	AN OVERVIEW OF HEAT TRANSFER ENHANCEMENT LITERATURE IN 2019. Heat Transfer Research, 2020, 51, 807-824.	0.9	6

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109	Radiative Heat Transfer in Silicon Floating Zone Furnace with Specular Reflectionon Concave Surfaces.. JSME International Journal Series B, 1998, 41, 888-894.	0.3	5
110	Prediction of Radiative Heat Transfer in Industrial Equipment Using the Radiation Element Method. Journal of Pressure Vessel Technology, Transactions of the ASME, 2001, 123, 530-536.	0.4	5
111	Parametric studies of whispering-gallery mode resonators. , 2004, , .		5
112	Optical Resonance in Fabricated Whispering-Gallery Mode Microcavity. Journal of Heat Transfer, 2005, 127, 808-808.	1.2	5
113	Whispering-Gallery Mode Silica Micro-Sensors for Temperature and Gas-Phase Concentration Measurements. , 2010, , .		5
114	Analysis of plasma-mediated ablation in aqueous tissue. Applied Surface Science, 2012, 258, 6266-6271.	3.1	5
115	Flow and heat transfer inside a new diversion-type gas heating device. Numerical Heat Transfer; Part A: Applications, 2016, 70, 1-13.	1.2	5
116	Experimental investigation of heat transfer with ash deposition in ultra-low temperature WHRS of coal-fired power plant. Applied Thermal Engineering, 2017, 123, 1181-1189.	3.0	5
117	ADVANCES IN ULTRAFAST RADIATIVE TRANSFER MODELING AND APPLICATIONS: A REVIEW. Heat Transfer Research, 2013, 44, 303-344.	0.9	5
118	PREDICTION OF SELF-IGNITION FIRE PROPAGATION AND COAL LOSS IN AN INCLINED SEAM. Heat Transfer Research, 2018, 49, 827-845.	0.9	5
119	Simulated parametric studies in optical imaging of tumors through temporal log-slope difference mapping. Medical Engineering and Physics, 2007, 29, 1142-1148.	0.8	4
120	Advances in Organic Liquidâ€Gas Chemical Heat Pumps. Chemical Engineering and Technology, 2011, 34, 1603-1613.	0.9	4
121	Comparison of Transmitted Pulse Trains Predicted by Duhamel's Superposition Theorem and Direct Pulse Simulation in a 3-D Discrete Ordinates System. Numerical Heat Transfer, Part B: Fundamentals, 2013, 63, 189-203.	0.6	4
122	Monitor in situ superconducting temperature via optical whispering-gallery mode sensors. Journal Physics D: Applied Physics, 2019, 52, 175101.	1.3	4
123	USING ORGANIC PHASE-CHANGE MATERIALS FOR ENHANCED ENERGY STORAGE IN WATER HEATERS: AN EXPERIMENTAL STUDY. Journal of Enhanced Heat Transfer, 2019, 26, 167-178.	0.5	4
124	Design, fabrication, and characterization of whispering-gallery mode miniature sensors. , 2005, , .		3
125	Nanofiltration and sensing of picomolar chemical residues in aqueous solution using an optical porous resonator in a microelectrofluidic channel. Nanotechnology, 2012, 23, 065502.	1.3	3
126	Improved Treatment of Anisotropic Scattering for Ultrafast Radiative Transfer Analysis. Journal of Heat Transfer, 2015, 137, .	1.2	3

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127	HEAT TRANSFER AND FLUID FLOW IN A WATER-FILLED GLASS LOUVER SUBJECT TO SOLAR IRRADIATION. Heat Transfer Research, 2020, 51, 25-39.	0.9	3
128	Global heat transfer analysis in Czochralski silicon furnace with radiation on curved specular surfaces. Heat and Mass Transfer, 1999, 35, 185-190.	1.2	2
129	Bio-Heat Transfer in a Model Skin Subject to a Train of Short Pulse Irradiation. , 2008, , .		2
130	Low power femtosecond tip-based nanofabrication with advanced control. Applied Physics B: Lasers and Optics, 2018, 124, 1.	1.1	2
131	Experimental and Numerical Studies of Short Pulse Propagation in Model Systems. , 2002, , .		2
132	ULTRAFAST LASER PULSE TRAIN RADIATION TRANSFER IN A SCATTERING-ABSORBING 3D MEDIUM WITH AN INHOMOGENEITY. Heat Transfer Research, 2015, 46, 861-879.	0.9	2
133	Advanced Energy Conversion Technologies. Radiative Heat Transfer in a Boiler Model with High CO2 Concentration.. Kagaku Kogaku Ronbunshu, 2000, 26, 174-179.	0.1	1
134	Radiation heat transfer in tissue welding and soldering with ultrafast lasers. , 0, , .		1
135	Ultrafast Laser Radiation and Conduction Heat Transfer in Biological Tissues. , 2005, , 589.		1
136	Experimental Measurements and Numerical Modeling Validation of Temperature Distribution in Tissue Medium During Short Pulse Laser Irradiation. , 2007, , 9.		1
137	Analytical Solution of Whispering-Gallery Modes. , 2007, , 489.		1
138	Fabrication, Characterization and Microsensing of Whispering-Gallery Mode Micro-Coupling Systems. , 2008, , .		1
139	Micro-temperature sensor based on optical whispering gallery mode of fiber taper-microsphere coupling system. Proceedings of SPIE, 2009, , .	0.8	1
140	Selected Papers Presented at the First International Workshop on Heat Transfer Advances for Energy Conservation and Pollution Control. Heat Transfer Engineering, 2014, 35, 549-550.	1.2	1
141	Fluid-to-fluid modeling study on critical heat flux of R134a flow boiling in helically-coiled horizontal tubes. , 2014, , .		1
142	Selected Papers from the 2nd International Workshop on Heat Transfer Advances for Energy Conservation and Pollution Control (IWHT2013). Heat Transfer Engineering, 2016, 37, 243-245.	1.2	1
143	A Numerical Study on 2-D Flow and Heat Transfer in a Natural Gas Heater. , 2016, , .		1
144	Unconventional energy: Seeking the ways to innovate energy science and technology. Frontiers in Energy, 2018, 12, 195-197.	1.2	1

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145	Simulation of Focused Radiation Propagation and Transient Heat Transfer in Turbid Tissues. , 2009, , .		1
146	Fluorescence Image Reconstruction for Optical Tomography Based on Transient Radiation Transfer Equation. , 2003, , .		1
147	Tumor Imaging Through Temporal Log-Slope Difference Mapping of Transient Radiation Signals. , 2004, , .		1
148	ULTRAFAST RADIATIVE TRANSFER CHARACTERISTICS IN MULTILAYER INHOMOGENEOUS 3D MEDIA SUBJECTED TO A COLLIMATED SHORT SQUARE PULSE TRAIN. Heat Transfer Research, 2016, 47, 633-651.	0.9	1
149	FIRST-PRINCIPLES CALCULATION OF THERMAL AND OPTICAL PROPERTIES OF MOLYBDENUM DISULFIDE. Heat Transfer Research, 2020, 51, 1465-1479.	0.9	1
150	Rapid Diagnosis of Inhomogeneity in Turbid Media. , 2003, , .		1
151	Rapid detection of inhomogeneity in a tissue phantom. , 0, , .		0
152	A new 3D fluorescence imaging method. , 0, , .		0
153	Discrete Ordinates Method for Transient Radiation Transfer in Cylindrical Enclosures. , 2003, , 69.		0
154	<title>Noninvasive imaging of tumors using temporal log-slope difference mappings</title>. , 2004, , .		0
155	Heat Transfer in Ultrafast Laser Tissue Welding. , 2005, , 287.		0
156	Characterization of Optical Microcavity Whispering-Gallery-Mode Resonators. , 2005, , 381.		0
157	Gap effects on whispering-gallery mode microresonances. , 2005, , .		0
158	Radiation Transfer in Whispering-Gallery Mode Microcavities. , 2005, , 731.		0
159	Thermal Relaxation Times in Biological Tissues Subjected to Pulsed Laser Irradiation. , 2006, , .		0
160	Energy Coupling Through the Small Gap in Optical Microcavities. , 2006, , .		0
161	Energy Transfer and Molecule-Radiation Interaction in Optical Microcavities. , 2006, , 437.		0
162	Erratum to â€œSimulation of whispering-gallery-mode resonance shifts for optical miniature biosensorsâ€•[JQSRT 93(1â€“3): 231â€“243]. Journal of Quantitative Spectroscopy and Radiative Transfer, 2006, 97, 160.	1.1	0

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163	Trace Gas Detection Utilizing Optical Spectroscopy of Microresonant Cavities. , 2007, , .		0
164	3-D Micro-Fabrication and Separation of PDMS by Ultra-Short Pulsed Laser. , 2008, , .		0
165	Surface Decontamination via Plasma Mediated Ultra-Short Pulsed Laser Ablation. , 2008, , .		0
166	Modeling of Ultrashort Pulse Laser Ablation in Water. , 2009, , .		0
167	Numerical Simulation of Impinging Cooling on the Leading Edge of a Turbine Blade. , 2011, , .		0
168	A New Phase Function Normalization Approach for Radiative Transfer Analysis in Highly Anisotropic Scattering Media. , 2011, , .		0
169	A Comparison of the Discrete Ordinates Method and Finite Volume Method for Radiative Heat Transfer Analysis. , 2011, , .		0
170	PREFACE: INTERNATIONAL WORKSHOP ON HEAT TRANSFER ADVANCES FOR ENERGY CONSERVATION AND POLLUTION CONTROL. Journal of Enhanced Heat Transfer, 2012, 19, 453-454.	0.5	0
171	Editorial for special edition Heat Transfer in Biomedicine. Heat Transfer Research, 2013, 44, ix-x.	0.9	0
172	Preface: Special Issue for the 2nd International Workshop on Heat Transfer Advances for Energy Conservation and Pollution Control (IWHT2013). Applied Thermal Engineering, 2014, 73, 1401.	3.0	0
173	Comparison of Phase Function Normalization Techniques for Radiative Transfer Analysis Using DOM. , 2014, , .		0
174	PREFACE: 6TH INTERNATIONAL SYMPOSIUM ON ADVANCES IN COMPUTATIONAL HEAT TRANSFER (CHT-15). Computational Thermal Sciences, 2015, 7, vi.	0.5	0
175	PREFACE: INTERNATIONAL WORKSHOP ON HEAT TRANSFER ADVANCES FOR ENERGY CONSERVATION AND POLLUTION CONTROL (IWHT-2013) PART 1. Heat Transfer Research, 2016, 47, ii.	0.9	0
176	PREFACE: INTERNATIONAL WORKSHOP ON HEAT TRANSFER ADVANCES FOR ENERGY CONSERVATION AND POLLUTION CONTROL (IWHT-2013) PART 2. Heat Transfer Research, 2016, 47, ii.	0.9	0
177	Cryogenic Temperature Monitoring via Optical PDMS Sensors. , 2016, , .		0
178	Experimental Measurement of Flue Gas Temperature Versus Ash Accumulation. , 2016, , .		0
179	PREFACE: HEAT TRANSFER ADVANCES FOR ENERGY CONSERVATION AND POLLUTION CONTROL. Heat Transfer Research, 2018, 49, v-vi.	0.9	0
180	A LETTER FROM THE NEW EDITOR-IN-CHIEF TO THE EDITORIAL BOARD. Journal of Enhanced Heat Transfer, 2019, 26, v-vii.	0.5	0

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181	PREFACE: HEAT-MASS TRANSFER ADVANCES FOR ENERGY CONSERVATION AND POLLUTION CONTROL. Heat Transfer Research, 2020, 51, v.	0.9	0
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