Patrick E Phelan

List of Publications by Year
in descending order

177	12,683	53794 45	24258 110
papers	citations	h-index	g-index

179	179	179	9002
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent developments in phase change materials for energy storage applications: A review. International Journal of Heat and Mass Transfer, 2019, 129, 491-523.	4.8	939
2	Thermal Conductivity of Nanoscale Colloidal Solutions (Nanofluids). Physical Review Letters, 2005, 94, 025901.	7.8	776
3	Nanofluid-based direct absorption solar collector. Journal of Renewable and Sustainable Energy, 2010, 2, .	2.0	685
4	Measurements of nanofluid viscosity and its implications for thermal applications. Applied Physics Letters, 2006, 89, 133108.	3.3	655
5	Small particles, big impacts: A review of the diverse applications of nanofluids. Journal of Applied Physics, 2013, 113, .	2.5	622
6	Effect of Aggregation Kinetics on the Thermal Conductivity of Nanoscale Colloidal Solutions (Nanofluid). Nano Letters, 2006, 6, 1529-1534.	9.1	608
7	Predicted Efficiency of a Low-Temperature Nanofluid-Based Direct Absorption Solar Collector. Journal of Solar Energy Engineering, Transactions of the ASME, 2009, 131, .	1.8	533
8	Enhanced Mass Transport in Nanofluids. Nano Letters, 2006, 6, 419-423.	9.1	477
9	Brownian-Motion-Based Convective-Conductive Model for the Effective Thermal Conductivity of Nanofluids. Journal of Heat Transfer, 2006, 128, 588-595.	2.1	460
10	Nanofluid optical property characterization: towards efficient direct absorption solar collectors. Nanoscale Research Letters, 2011, 6, 225.	5.7	423
11	Effect of aggregation and interfacial thermal resistance on thermal conductivity of nanocomposites and colloidal nanofluids. International Journal of Heat and Mass Transfer, 2008, 51, 1431-1438.	4.8	405
12	Optical properties of liquids for direct absorption solar thermal energy systems. Solar Energy, 2009, 83, 969-977.	6.1	379
13	Effect of aggregation on thermal conduction in colloidal nanofluids. Applied Physics Letters, 2006, 89, 143119.	3.3	351
14	Increased Hot-Plate Ignition Probability for Nanoparticle-Laden Diesel Fuel. Nano Letters, 2008, 8, 1410-1416.	9.1	305
15	Brownian dynamics simulation to determine the effective thermal conductivity of nanofluids. Journal of Applied Physics, 2004, 95, 6492-6494.	2.5	299
16	Applicability of nanofluids in high flux solar collectors. Journal of Renewable and Sustainable Energy, 2011, 3, .	2.0	297
17	Highly efficient selective metamaterial absorber for high-temperature solar thermal energy harvesting. Solar Energy Materials and Solar Cells, 2015, 137, 235-242.	6.2	230
18	Impact of Pavement Thermophysical Properties on Surface Temperatures. Journal of Materials in Civil Engineering, 2007, 19, 683-690.	2.9	213

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19	Prospects for solar cooling â€“ An economic and environmental assessment. Solar Energy, 2012, 86, 1287-1299.	6.1	174
20	Solar Energy Harvesting Using Nanofluids-Based Concentrating Solar Collector. Journal of Nanotechnology in Engineering and Medicine, 2012, 3, .	0.8	166
21	Pool boiling of nanofluids: Comprehensive review of existing data and limited new data. International Journal of Heat and Mass Transfer, 2009, 52, 5339-5347.	4.8	163
22	Urban Heat Island: Mechanisms, Implications, and Possible Remedies. Annual Review of Environment and Resources, 2015, 40, 285-307.	13.4	156
23	Ledinegg instability in microchannels. International Journal of Heat and Mass Transfer, 2009, 52, 5661-5674.	4.8	155
24	Liquid Thermoelectrics: Review of Recent And Limited New Data of Thermogalvanic Cell Experiments. Nanoscale and Microscale Thermophysical Engineering, 2013, 17, 304-323.	2.6	137
25	A Scattering-Mediated Acoustic Mismatch Model for the Prediction of Thermal Boundary Resistance. Journal of Heat Transfer, 2001, 123, 105-112.	2.1	113
26	A biometeorology study of climate and heat-related morbidity in Phoenix from 2001 to 2006. International Journal of Biometeorology, 2008, 52, 471-480.	3.0	94
27	Energy conservation in compressed-air systems. International Journal of Energy Research, 2002, 26, 837-849.	4.5	86
28	Trends and Opportunities in Direct-Absorption Solar Thermal Collectors. Journal of Thermal Science and Engineering Applications, 2013, 5, .	1.5	83
29	Thermodynamic feasibility of harvesting data center waste heat to drive an absorption chiller. Energy Conversion and Management, 2012, 58, 26-34.	9.2	71
30	The amplifying effect of natural convection on power generation of thermogalvanic cells. International Journal of Heat and Mass Transfer, 2014, 78, 423-434.	4.8	70
31	Ten questions concerning future buildings beyond zero energy and carbon neutrality. Building and Environment, 2017, 119, 169-182.	6.9	70
32	Characterization of light-induced, volumetric steam generation in nanofluids. International Journal of Thermal Sciences, 2012, 56, 1-11.	4.9	67
33	A comparative study of the thermal and radiative impacts of photovoltaic canopies on pavement surface temperatures. Solar Energy, 2007, 81, 872-883.	6.1	64
34	Variations of Acoustic and Diffuse Mismatch Models in Predicting Thermal-Boundary Resistance. Journal of Thermophysics and Heat Transfer, 2000, 14, 144-150.	1.6	62
35	Economic feasibility of combined heat and power and absorption refrigeration with commercially available gas turbines. Energy Conversion and Management, 2001, 42, 1559-1573.	9.2	62
36	Microscopic and macroscopic thermal contact resistances of pressed mechanical contacts. Journal of Applied Physics, 2006, 100, 063538.	2.5	61

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37	Band-Gap Tuned Direct Absorption for a Hybrid Concentrating Solar Photovoltaic/Thermal System. Journal of Solar Energy Engineering, Transactions of the ASME, 2011, 133, .	1.8	60
38	Past visions, current trends, and future context: A review of building energy, carbon, and sustainability. Renewable and Sustainable Energy Reviews, 2018, 82, 976-993.	16.4	57
39	Multifunctional Core-Shell Nanoparticle Suspensions for Efficient Absorption. Journal of Solar Energy Engineering, Transactions of the ASME, 2013, 135, .	1.8	56
40	Techno-economic analysis of combined ammonia-water absorption refrigeration and desalination. Energy Conversion and Management, 2017, 143, 493-504.	9.2	56
41	Experimental study of indoor and outdoor airborne bacterial concentrations in Tempe, Arizona, USA. Aerobiologia, 2003, 19, 201-211.	1.7	49
42	Effective Thermal Conductivity of a Thin, Randomly Oriented Composite Material. Journal of Heat Transfer, 1998, 120, 971-976.	2.1	48
43	Vapor generation in a nanoparticle liquid suspension using a focused, continuous laser. Applied Physics Letters, 2009, 95, .	3.3	48
44	Modeling effects of urban heat island mitigation strategies on heat-related morbidity: a case study for Phoenix, Arizona, USA. International Journal of Biometeorology, 2010, 54, 13-22.	3.0	48
45	Parametric analysis of a coupled photovoltaic/thermal concentrating solar collector for electricity generation. Journal of Applied Physics, 2010, 108, .	2.5	48
46	Performance analysis of a thermal energy storage system based on paired metal hydrides for concentrating solar power plants. Applied Thermal Engineering, 2018, 144, 1017-1029.	6.0	47
47	Thermal performance analysis of a metal hydride reactor encircled by a phase change material sandwich bed. International Journal of Hydrogen Energy, 2020, 45, 23076-23092.	7.1	46
48	Spatially Varying Extinction Coefficient for Direct Absorption Solar Thermal Collector Optimization. Journal of Solar Energy Engineering, Transactions of the ASME, 2011, 133, .	1.8	45
49	Experimental investigation of a solar-heated direct contact membrane distillation system using evacuated tube collectors. Desalination, 2020, 487, 114497.	8.2	45
50	Dynamics of rotating paramagnetic particle chains simulated by particle dynamics, Stokesian dynamics and lattice Boltzmann methods. Microfluidics and Nanofluidics, 2008, 5, 33-41.	2.2	44
51	NANOFLUIDS FOR HEAT TRANSFER APPLICATIONS. Annual Review of Heat Transfer, 2005, 14, 255-275.	1.0	44
52	An Effective Unit Cell Approach to Compute the Thermal Conductivity of Composites With Cylindrical Particles. Journal of Heat Transfer, 2005, 127, 553-559.	2.1	41
53	Techno-Economic Assessment of CHP Systems in Wastewater Treatment Plants. Environments - MDPI, 2020, 7, 74.	3.3	41
54	Determining Thermal Conductivity of Paving Materials Using Cylindrical Sample Geometry. Journal of Materials in Civil Engineering, 2010, 22, 186-195.	2.9	40

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55	A review of energy storage technologies for demand-side management in industrial facilities. Journal of Cleaner Production, 2021, 307, 127322.	9.3	40
56	Coreâ€“Shell and Asymmetric Polystyreneâ€“Gold Composite Particles via One-Step Pickering Emulsion Polymerization. Langmuir, 2014, 30, 75-82.	3.5	38
57	The relationship among CPU utilization, temperature, and thermal power for waste heat utilization. Energy Conversion and Management, 2015, 95, 297-303.	9.2	36
58	Energy and exergy utilizations of the U.S. manufacturing sector. Energy, 2010, 35, 3048-3065.	8.8	35
59	Paramagnetic particles and mixing in micro-scale flows. Lab on A Chip, 2006, 6, 247.	6.0	34
60	Predicted Efficiency of a Nanofluid-Based Direct Absorption Solar Receiver. , 2007, , 729.		33
61	Thermophysical properties enhancement of ternary carbonates with carbon materials for high-temperature thermal energy storage. Solar Energy, 2017, 155, 661-669.	6.1	33
62	Non-dimensional size effects on the thermodynamic properties of solids. International Journal of Heat and Mass Transfer, 1999, 42, 1991-2001.	4.8	31
63	Cyclic behaviors of a novel design of a metal hydride reactor encircled by cascaded phase change materials. International Journal of Hydrogen Energy, 2020, 45, 32285-32297.	7.1	29
64	Solar-heated submerged vacuum membrane distillation system with agitation techniques for desalination. Separation and Purification Technology, 2021, 256, 117855.	7.9	29
65	Thermal contact conductance across filled polyimide films at cryogenic temperatures. Cryogenics, 1999, 39, 803-809.	1.7	28
66	Development of a Zero-Dimensional Mesoscale Thermal Model for Urban Climate. Journal of Applied Meteorology and Climatology, 2009, 48, 657-668.	1.5	28
67	Experimental Investigation of a Bio-Based Phase Change Material to Improve Building Energy Performance. , 2010, , .		28
68	Modeling of Radiative and Optical Behavior of Nanofluids Based on Multiple and Dependent Scattering Theories. , 2005, , 739.		27
69	Impact of Size and Scattering Mode on the Optimal Solar Absorbing Nanofluid. , 2009, , .		27
70	Optical characterization and durability of immersion cooling liquids for high concentration III-V photovoltaic systems. Solar Energy Materials and Solar Cells, 2018, 174, 124-131.	6.2	27
71	An Experimental Investigation of Pressure Drop in Expanding Microchannel Arrays. Journal of Heat Transfer, 2014, 136, .	2.1	25
72	Investigation of electrostrictive polymers as actuators for mesoscale devices. International Journal of Advanced Manufacturing Technology, 2004, 23, 176-182.	3.0	23

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73	Experimental investigation of the latent heat of vaporization in aqueous nanofluids. Applied Physics Letters, 2014, 104, .	3.3	23
74	Characterization of the temperature oscillation technique to measure the thermal conductivity of fluids. International Journal of Heat and Mass Transfer, 2006, 49, 2950-2956.	4.8	22
75	Experimental Measurements of Critical Heat Flux in Expanding Microchannel Arrays. Journal of Heat Transfer, 2013, 135, .	2.1	22
76	Modeling and Forecasting End-Use Energy Consumption for Residential Buildings in Kuwait Using a Bottom-Up Approach. Energies, 2020, 13, 1981.	3.1	22
77	Review of Thermal Boundary Resistance of High-Temperature Superconductors. Journal of Superconductivity and Novel Magnetism, 1997, 10, 473-484.	0.5	20
78	U.S. manufacturing aggregate energy intensity decomposition: The application of multivariate regression analysis. International Journal of Energy Research, 2008, 32, 91-106.	4.5	20
79	Ultrasound-assisted regeneration of zeolite/water adsorption pair. Ultrasonics Sonochemistry, 2020, 64, 105042.	8.2	20
80	Phase sensitive enhancement for biochemical detection using rotating paramagnetic particle chains. Journal of Applied Physics, 2004, 96, 6831-6838.	2.5	19
81	Thermo-responsiveness and tunable optical properties of asymmetric polystyrene/PNIPAM-gold composite particles. Journal of Colloid and Interface Science, 2014, 425, 12-19.	9.4	18
82	Theoretical analysis of a solar-powered multi-effect distillation integrated with concentrating photovoltaic/thermal system. Desalination, 2019, 468, 114074.	8.2	18
83	Thermal boundary resistance for thin-film high-Tc superconductors at varying interfacial temperature drops. International Journal of Heat and Mass Transfer, 1997, 40, 2637-2645.	4.8	17
84	Comparative analysis of thermally activated, environmentally friendly cooling systems. Energy Conversion and Management, 2008, 49, 1091-1097.	9.2	17
85	A sustainable data center with heat-activated cooling. , 2010, , .		17
86	Socioeconomic impacts of heat transfer research. International Communications in Heat and Mass Transfer, 2012, 39, 1467-1473.	5.6	17
87	Solar Energy Harvesting Using Nanofluids-Based Concentrating Solar Collector. , 2012, , .		17
88	Thermal properties of ternary carbonate/T-ZnOw for thermal energy storage in high-temperature concentrating solar power systems. Composites Part A: Applied Science and Manufacturing, 2017, 93, 177-184.	7.6	17
89	Performance enhancement of a submerged vacuum membrane distillation (S-VMD) system using low-power ultrasound. Journal of Membrane Science, 2021, 621, 119004.	8.2	17
90	Microchannel Two-Phase Flow Oscillation Control With an Adjustable Inlet Orifice. Journal of Heat Transfer, 2012, 134, .	2.1	16

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91	Technological Advances to Maximize Solar Collector Energy Output: A Review. Journal of Electronic Packaging, Transactions of the ASME, 2018, 140, .	1.8	16
92	Optimized Expanding Microchannel Geometry for Flow Boiling. Journal of Heat Transfer, 2013, 135, .	2.1	14
93	Energy and Exergy Analyses of Different Aluminum Reduction Technologies. Sustainability, 2018, 10, 1216.	3.2	14
94	Experimental study of an evacuated tube solar adsorption cooling module and its optimal adsorbent bed design. Solar Energy, 2020, 211, 183-191.	6.1	14
95	Experimental and numerical assessment of using coconut oil as a phaseâ€change material for unconditioned buildings. International Journal of Energy Research, 2020, 44, 5177-5196.	4.5	14
96	Thermal peeling stress analysis of thin-film high-TC superconductors. Applied Superconductivity, 1998, 6, 19-29.	0.5	13
97	Forecasting the electricity consumption of the Mexican border states maquiladoras. International Journal of Energy Research, 2004, 28, 641-660.	4.5	13
98	Critical Review of the Novel Applications and Uses of Nanofluids. , 2012, , .		12
99	Impact of Pavement Thickness on Surface Diurnal Temperatures. Journal of Green Building, 2007, 2, 121-130.	0.8	12
100	Modeling and forecasting the U.S. manufacturing aggregate energy intensity. International Journal of Energy Research, 2008, 32, 501-513.	4.5	11
101	Applicability of Nanofluids in Concentrated Solar Energy Harvesting. , 2010, , .		11
102	Assessing the relative efficiency of energy use among similar manufacturing industries. International Journal of Energy Research, 2011, 35, 477-488.	4.5	11
103	Thermoelectric-based sustainable self-cooling for fine-grained processor hot spots. , 2016, , .		11
104	Investigations on transient thermal performance of phase change materials embedded in metal foams for latent heat thermal energy storage. International Journal of Energy Research, 2021, 45, 20763-20782.	4.5	11
105	Impact of the Urban Heat Island on Light Duty Vehicle Emissions for the Phoenix, AZ Area. International Journal of Sustainable Transportation, 2010, 4, 1-13.	4.1	10
106	Efficiency, economics, and the urban heat island. Environment and Urbanization, 2017, 29, 183-194.	2.6	10
107	Assessment of a novel heat-driven cycle to produce shaft power and refrigeration. Applied Energy, 2018, 215, 751-764.	10.1	10
108	The effective latent heat of aqueous nanofluids. Materials Research Express, 2015, 2, 065004.	1.6	9

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109	Effects of Rooftop Photovoltaics on Building Cooling Demand and Sensible Heat Flux Into the Environment for an Installation on a White Roof. ASME Journal of Engineering for Sustainable Buildings and Cities, 2020, 1, .	0.9	9
110	Feasibility of lowering the condenser's inlet water temperature of a chiller using thermal water storage. Applied Energy, 2000, 66, 339-356.	10.1	8
111	Enhanced Efficiency in a Coupled Photovoltaic/Thermal Concentrating Solar Collector. , 2010, , .		8
112	Thermodynamic analysis of a novel sodium hydroxide-water solution absorption refrigeration, heating and power system for low-temperature heat sources. Applied Energy, 2018, 222, 1-12.	10.1	8
113	Experimental study of water freezing process improvement using ultrasound. Applied Thermal Engineering, 2022, 202, 117827.	6.0	8
114	Improving Seebeck coefficient of thermoelectrochemical cells by controlling ligand complexation at metal redox centers. Applied Physics Letters, 2021, 118, .	3.3	7
115	Stochastic framework for peak demand reduction opportunities with solar energy for manufacturing facilities. Journal of Cleaner Production, 2021, 313, 127891.	9.3	7
116	Mini Containers to Improve the Cold Chain Energy Efficiency and Carbon Footprint. Climate, 2022, 10, 76.	2.8	7
117	Light-Induced Energy Conversion in LiquidÂNanoparticle Suspensions. Computational and Physical Processes in Mechanics and Thermal Science, 2012, , 123-142.	0.7	6
118	Effect of transient low-grade solar heat on liquid thermogalvanic cells. Materials Today: Proceedings, 2021, 38, 767-772.	1.8	6
119	Ultrasound-assisted regeneration of activated alumina/water adsorption pair for drying and dehumidification processes. Ultrasonics, 2022, 124, 106769.	3.9	6
120	Finite element analysis of residual-stress-induced flatness deviation in banded carbon seals. Finite Elements in Analysis and Design, 2002, 38, 785-801.	3.2	5
121	Modeling microflow and stirring around a microrotor in creeping flow using a quasi-steady-state analysis. Lab on A Chip, 2004, 4, 201.	6.0	5
122	Investigating a relationship among CPU and system temperatures, thermal power, and CPU tasking levels. , 2012, , .		5
123	Temperature Dependent Optical Properties of Nanoparticle Suspensions. , 2012, , .		5
124	Hot Spot Cooling and Harvesting CPU Waste Heat Using Thermoelectric Modules. , 2014, , .		5
125	Low-Temperature Melting of Silver Nanoparticles in Subcooled and Saturated Water. Journal of Heat Transfer, 2016, 138, .	2.1	5
126	Investigations of IIIâ€“V concentrator solar cells with liquid immersion for high concentrating photovoltaic systems. Solar Energy, 2017, 158, 728-736.	6.1	5

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127	Application of ultrasound in regeneration of silica gel for industrial gas drying processes. Drying Technology, 0, , 1-9.	3.1	5
128	Hot Spot Cooling and Harvesting Central Processing Unit Waste Heat Using Thermoelectric Modules. Journal of Electronic Packaging, Transactions of the ASME, 2015, 137, .	1.8	5
129	Review of Residential Air Conditioning Systems Operating under High Ambient Temperatures. Energies, 2022, 15, 2880.	3.1	5
130	Experimental results for a hydraulic refrigeration system using n-butane. International Journal of Refrigeration, 2001, 24, 325-337.	3.4	4
131	A New Approach to Study and Compare the Annual Performance of Liquid and Solid Desiccant Cooling Systems. Journal of Thermal Science and Engineering Applications, 2011, 3, .	1.5	4
132	Characterization of a Nanofluid Volumetric Solar Absorber / Steam Generator. , 2011, , .		4
133	Thermogalvanic Waste Heat Recovery System in Automobiles. , 2015, , .		4
134	Augmentation of natural convection heat transfer in enclosures via ultrasound: Effects of power, frequency and temperature. Thermal Science and Engineering Progress, 2022, 33, 101374.	2.7	4
135	Experimental investigation on a cooling cum desalination system using a modified mechanical heat pump. International Journal of Refrigeration, 2022, 143, 138-147.	3.4	4
136	Nanofluid Extinction Coefficients for Photothermal Energy Conversion. , 2011, , .		3
137	Effect of Cross-Sectional Perturbation on Critical Heat Flux Criteria in Microchannels. Journal of Heat Transfer, 2013, 135, .	2.1	3
138	Controllable Optical Properties of Polystyrene/PNIPAM-Gold Composite Nanoparticles. Plasmonics, 2015, 10, 17-25.	3.4	3
139	Multipetal-Structured and Dumbbell-Structured Goldâ€“Polymer Composite Particles with Self-Modulated Catalytic Activity. Langmuir, 2015, 31, 13191-13200.	3.5	3
140	Editorial: Sustainable, Healthy Buildings & Communities. Building and Environment, 2020, 174, 106806.	6.9	3
141	Thermodynamic and economic analysis of a micro-combined polygeneration system coupled with solar energy and fuels for distributed applications. Journal of Thermal Analysis and Calorimetry, 2021, 145, 581-595.	3.6	3
142	Optimized Expanding Microchannel Geometry for Flow Boiling. , 2011, , .		3
143	CFD analysis of paramagnetic particle containment in microwells. Lab on A Chip, 2005, 5, 1075.	6.0	2
144	Thermochemical Conversion of Biomass Using Solar Energy: Use of Nanoparticle-Laden Molten Salt as the Working Fluid. , 2009, , .		2

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145	Experimental Results for Light-Induced Boiling in Water-Based Graphite Nanoparticle Suspensions. , 2009, , .		2
146	Solar Cooling With Ice Storage. , 2012, , .		2
147	Surface Plasmon Resonance Shifts of a Dispersion of Core-Shell Nanoparticles for Efficient Solar Absorption. , 2012, , .		2
148	Applicability of Controllable Nanoparticle Radiative Properties for Spacecraft Heat Rejection. Journal of Thermophysics and Heat Transfer, 2015, 29, 869-874.	1.6	2
149	Improved Air-Conditioning Demand Response of Connected Communities over Individually Optimized Buildings. Energies, 2021, 14, 5926.	3.1	2
150	Thermal and economic performance evaluation of a novel sCO2 recompression Braytonâ€“steam Rankineâ€“absorption cooling system based on solar energy. Journal of Thermal Analysis and Calorimetry, 0, , 1.	3.6	2
151	The Thermal Conductance of Indium-Filled Contacts at Cryogenic Temperatures. , 2004, , 753.		1
152	Parametric Experimental Study of Viscosity of Nanofluids. , 2006, , 21.		1
153	Tuning the Extinction Coefficient for Direct Absorption Solar Thermal Collector Optimization. , 2010, , .		1
154	Band-Gap Tuned Direct Absorption for Hybrid Concentrating Solar Photovoltaic/Thermal System. , 2011, , .		1
155	Optimization of Cell Configuration for Maximizing Performance of a Cu/Cu2+ Aqueous Thermogalvanic Cell. , 2012, , .		1
156	Plasmon-Enhanced Properties of Metallic Nanostructures and Their Application to Direct Solar Absorption Receivers. , 2012, , .		1
157	Analysis of Heat-Driven Combined Cooling and Desalination. , 2016, , .		1
158	Relationship between Ambient Temperature and Mental Health in the USA. Environments - MDPI, 2017, 4, 71.	3.3	1
159	Microchannel Two-Phase Flow Oscillation Control With an Adjustable Inlet Orifice. , 2011, , .		1
160	An Effective Unit Cell Approach to Compute the Thermal Conductivity of Composites With Cylindrical Particles. , 2003, , 201.		0
161	A Unified Microscopic and Macroscopic Thermal Contact Resistance Model. , 2006, , 525.		0
162	Ignition and Combustion Characteristics of Liquid Fuel Droplets Containing Metal Nanoparticles. , 2008, , .		0

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163	Critical Heat Flux in Microchannels With an Adjustable Inlet Orifice. , 2012, , .		0
164	Viability of Spray Cooling an Air-Cooled Condenser in a Personnel Microclimate Cooling System. Journal of Thermal Science and Engineering Applications, 2012, 4, .	1.5	0
165	Heat Sink Effect on System Pressure and Mass Flow Rate in a Pumped Refrigerant Loop. Journal of Thermal Science and Engineering Applications, 2012, 4, .	1.5	0
166	Electrode Separation and Operating Orientation: Mechanisms for Maximizing Performance of Cu/Cu2+ Aqueous Thermogalvanic Cells. , 2013, , .		0
167	Low-Temperature Melting of Silver Nanoparticles in Subcooled and Saturated Water. , 2014, , .		0
168	Harvesting CPU Waste Heat Through Pyroelectric Materials. , 2015, , .		0
169	Special Issue on Buildings of the Future: Notes From Guest Editors. Journal of Solar Energy Engineering, Transactions of the ASME, 2017, 139, .	1.8	0
170	Least-Volume Optimization of Finned Heat Sinks for Burn-in Air-Cooling Solutions. , 2003, , .		0
171	Modeling flow around a microrotor in creeping flow using a quasi-steady-state analysis. , 2003, , .		0
172	Optimization of the Adsorber in an Adsorption Solar-Powered Cooling System. , 2005, , .		0
173	A New Approach to Study and Compare the Annual Performance of Liquid and Solid Desiccant Cooling Systems. , 2009, , .		0
174	Effect of Cross-Sectional Perturbation on Critical Heat Flux Criteria in Microchannels. , 2012, , .		0
175	Flow Boiling Enhancement via Cross-Sectional Expansion. , 2016, , 1-22.		0
176	Parametric study of an integrated organic Rankine/reverse Brayton refrigeration cycle and multiple-effect desalination unit. , 0, 136, 7-19.		0
177	Experimental Investigation of a Membrane Distillation System Using Solar Evacuated Tubes. , 2019, , .		0