Peter Stephan

List of Publications by Year
in descending order

158 papers	4,035 citations	109137 35 h-index	138251 58 g-index
165 all docs	165 docs citations	165 times ranked	1942 citing authors

#	Article	IF	Citations
1	Analysis of the heat transfer coefficient of grooved heat pipe evaporator walls. International Journal of Heat and Mass Transfer, 1992, 35, 383-391.	2.5	415
2	CFD Simulation of Boiling Flows Using the Volume-of-Fluid Method within OpenFOAM. Numerical Heat Transfer; Part A: Applications, 2009, 56, 631-646.	1.2	201
3	Spray cooling on micro structured surfaces. International Journal of Heat and Mass Transfer, 2007, 50, 4089-4097.	2.5	159
4	A new model for nucleate boiling heat transfer. Heat and Mass Transfer, 1994, 30, 119-125.	0.2	138
5	Microscale temperature measurement at an evaporating liquid meniscus. Experimental Thermal and Fluid Science, 2002, 26, 157-162.	1.5	108
6	Convective heat transfer characteristics of microencapsulated phase change material suspensions in minichannels. Heat and Mass Transfer, 2007, 44, 175-186.	1.2	98
7	Numerical simulation of the transient heat transfer during nucleate boiling of refrigerant HFE-7100. International Journal of Refrigeration, 2010, 33, 1221-1228.	1.8	92
8	Experimental investigation of circular free-surface jet impingement quenching: Transient hydrodynamics and heat transfer. Experimental Thermal and Fluid Science, 2011, 35, 1435-1443.	1.5	84
9	Nanofiber coating of surfaces for intensification of drop or spray impact cooling. International Journal of Heat and Mass Transfer, 2009, 52, 5814-5826.	2.5	78
10	The effect of three-phase contact line speed on local evaporative heat transfer: Experimental and numerical investigations. International Journal of Heat and Mass Transfer, 2012, 55, 1896-1904.	2.5	78
11	Measurement of water falling film thickness to flat plate using confocal chromatic sensoring technique. Experimental Thermal and Fluid Science, 2009, 33, 273-283.	1.5	77
12	Local heat transfer and phase change phenomena during single drop impingement on a hot surface. International Journal of Heat and Mass Transfer, 2013, 61, 605-614.	2.5	75
13	Static and dynamic contact angles of evaporating liquids on heated surfaces. Journal of Colloid and Interface Science, 2010, 342, 550-558.	5.0	71
14	Dynamics of volatile liquid droplets on heated surfaces: theory versus experiment. Journal of Fluid Mechanics, 2008, 610, 343-362.	1.4	70
15	A Transient Nucleate Boiling Model Including Microscale Effects and Wall Heat Transfer. Journal of Heat Transfer, 2006, 128, 1257-1265.	1.2	68
16	A comparative study of flow regimes and thermal performance between flat plate pulsating heat pipe and capillary tube pulsating heat pipe. Applied Thermal Engineering, 2019, 149, 613-624.	3.0	68
17	High resolution measurements of wall temperature distribution underneath a single vapour bubble under low gravity conditions. International Journal of Heat and Mass Transfer, 2006, 49, 1100-1106.	2.5	66
18	Contact line behavior for a highly wetting fluid under superheated conditions. International Journal of Heat and Mass Transfer, 2012, 55, 2664-2675.	2.5	64

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19	Theoretical Model for Nucleate Boiling Heat and Mass Transfer of Binary Mixtures. Journal of Heat Transfer, 2003, 125, 1106-1115.	1.2	63
20	Marangoni-induced deformation and rupture of a liquid film on a heated microstructured wall. Physics of Fluids, 2006, 18, 012104.	1.6	62
21	Marangoni convection and heat transfer in thin liquid films on heated walls with topography: Experiments and numerical study. Physics of Fluids, 2005, 17, 062106.	1.6	60
22	Dynamics of the cavity and the surface film for impingements of single drops on liquid films of various thicknesses. Journal of Colloid and Interface Science, 2010, 350, 336-343.	5.0	51
23	Evaporation of a thin viscous liquid film sheared by gas in a microchannel. International Journal of Heat and Mass Transfer, 2014, 68, 527-541.	2.5	51
24	Influence of the substrate thermal properties on sessile droplet evaporation: Effect of transient heat transport. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 432, 64-70.	2.3	49
25	High-Resolution Measurements at Nucleate Boiling of Pure FC-84 and FC-3284 and Its Binary Mixtures. Journal of Heat Transfer, 2009, 131, .	1.2	48
26	Experimental investigation of evaporative heat transfer characteristics at the 3-phase contact line. Experimental Thermal and Fluid Science, 2010, 34, 1036-1041.	1.5	48
27	Influence of the governing dimensionless parameters on heat transfer during single drop impingement onto a hot wall. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 432, 57-63.	2.3	47
28	Heat Transfer to Suspensions of Microencapsulated Phase Change Material Flowing Through Minichannels. Journal of Heat Transfer, 2012, 134, .	1.2	45
29	Heat transfer during simultaneous impact of two drops onto a hot solid substrate. International Journal of Heat and Mass Transfer, 2017, 113, 898-907.	2.5	44
30	Experimental investigation of free-surface jet impingement quenching process. International Journal of Heat and Mass Transfer, 2013, 64, 1118-1126.	2.5	43
31	Evaporation of thin liquid droplets on heated surfaces. Heat and Mass Transfer, 2007, 43, 649-657.	1.2	41
32	Heat transfer during drop impingement onto a hot wall: The influence of wall superheat, impact velocity, and drop diameter. International Journal of Heat and Mass Transfer, 2020, 153, 119661.	2.5	40
33	Effect of Longitudinal Minigrooves on Flow Stability and Wave Characteristics of Falling Liquid Films. Journal of Heat Transfer, 2009, 131, .	1.2	39
34	A hydrodynamic model for subcooled liquid jet impingement at the Leidenfrost condition. International Journal of Thermal Sciences, 2011, 50, 993-1000.	2.6	38
35	Evaluation of heat and mass transfer phenomena in nucleate boiling. International Journal of Heat and Fluid Flow, 2004, 25, 140-148.	1.1	36
36	Analysis of Falling Film Evaporation on Grooved Surfaces. Journal of Enhanced Heat Transfer, 2003, 10, 445-458.	0.5	34

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37	Influence of heat conduction in the wall on nucleate boiling heat transfer. International Journal of Heat and Mass Transfer, 2000, 43, 2193-2203.	2.5	32
38	Hydrodynamics of quenching with impinging free-surface jet. International Journal of Heat and Mass Transfer, 2012, 55, 3677-3685.	2.5	32
39	On the development of a thin evaporating liquid film at a receding liquid/vapour-interface. International Journal of Heat and Mass Transfer, 2015, 88, 346-356.	2.5	32
40	Breakup and atomization of a stretching crown. Physical Review E, 2007, 76, 026302.	0.8	31
41	Solidâ€“Liquid Interface Thermal Resistance Affects the Evaporation Rate of Droplets from a Surface: A Study of Perfluorohexane on Chromium Using Molecular Dynamics and Continuum Theory. Langmuir, 2017, 33, 5336-5343.	1.6	31
42	Advanced Capillary Structures for High Performance Heat Pipes. Heat Transfer Engineering, 2004, 25, 78-85.	1.2	30
43	Experimental study of nucleate boiling heat transfer under low gravity conditions using TLCs for high resolution temperature measurements. Heat and Mass Transfer, 2006, 42, 875-883.	1.2	30
44	Analysis of flow patterns emerging during evaporation in parallel microchannels. International Journal of Heat and Mass Transfer, 2007, 50, 226-239.	2.5	30
45	EXPERIMENTAL STUDY OF BUBBLE BEHAVIOR AND LOCAL HEAT FLUX IN POOL BOILING UNDER VARIABLE GRAVITATIONAL CONDITIONS. Multiphase Science and Technology, 2009, 21, 329-350.	0.2	29
46	Experimental Investigation of Nucleate Boiling on a Thermal Capacitive Heater Under Variable Gravity Conditions. Microgravity Science and Technology, 2012, 24, 139-146.	0.7	29
47	Evaporation of Falling and Shear-Driven Thin Films on Smooth and Grooved Surfaces. Flow, Turbulence and Combustion, 2005, 75, 85-104.	1.4	26
48	Investigation of wall temperature and heat flux distribution during nucleate boiling in the presence of an electric field and in variable gravity. Experimental Thermal and Fluid Science, 2013, 44, 419-430.	1.5	26
49	Experimental investigation of hydrodynamics and heat transport during vertical coalescence of multiple successive drops impacting a hot wall under saturated vapor atmosphere. Experimental Thermal and Fluid Science, 2020, 118, 110145.	1.5	25
50	Effect of the microscale wall topography on the thermocapillary convection within a heated liquid film. Experimental Thermal and Fluid Science, 2005, 29, 765-772.	1.5	24
51	Local heat flow and temperature fluctuations in wall and fluid in nucleate boiling systems. Heat and Mass Transfer, 2009, 45, 919-928.	1.2	23
52	Flow Visualization and Local Measurement of Forced Convection Heat Transfer in a Microtube. Journal of Heat Transfer, 2010, 132, .	1.2	22
53	Experimental investigation of the drying process of automotive base paints. Applied Thermal Engineering, 2005, 25, 2578-2590.	3.0	20
54	Gravity effect on spray impact and spray cooling. Microgravity Science and Technology, 2007, 19, 151-154.	0.7	20

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55	The Influence of System Pressure on Bubble Coalescence in Nucleate Boiling. Heat Transfer Engineering, 2014, 35, 420-429.	1.2	20
56	On the transition between contact line evaporation and microlayer evaporation during the dewetting of a superheated wall. International Journal of Thermal Sciences, 2019, 145, 106025.	2.6	19
57	Potential for waste heat utilization of hotâ€waterâ€cooled data centers: A case study. Energy Science and Engineering, 2020, 8, 1793-1810.	1.9	19
58	Flow and Stability of Rivulets on Heated Surfaces With Topography. Journal of Heat Transfer, 2009, 131, .	1.2	18
59	Effect of nano-textured heater surfaces on evaporation at a single meniscus. International Journal of Heat and Mass Transfer, 2017, 108, 2444-2450.	2.5	18
60	A parametric study on phase change heat transfer due to Taylor-Bubble coalescence in a square minichannel. International Journal of Heat and Mass Transfer, 2014, 76, 16-32.	2.5	17
61	Numerical simulation of liquid film formation and its heat transfer through vapor bubble expansion in a microchannel. International Journal of Heat and Mass Transfer, 2019, 136, 1241-1249.	2.5	17
62	Flow frictional characteristics of microencapsulated phase change material suspensions flowing through rectangular minichannels. Science in China Series D: Earth Sciences, 2006, 49, 445-456.	0.9	16
63	Textured CrN thin coatings enhancing heat transfer in nucleate boiling processes. Surface and Coatings Technology, 2013, 215, 465-471.	2.2	16
64	Influence of System Pressure on Pool Boiling Regimes on A Microstructured Surface Compared to A Smooth Surface. Experimental Heat Transfer, 2020, 33, 318-334.	2.3	16
65	A comparative study of transient capillary rise using direct numerical simulations. Applied Mathematical Modelling, 2020, 86, 142-165.	2.2	15
66	Trains of Taylor bubbles over hot nano-textured mini-channel surface. International Journal of Heat and Mass Transfer, 2016, 93, 827-833.	2.5	14
67	Influence of flow rate and surface thickness on heat transfer characteristics of two consecutively impinging droplets on a heated surface. International Journal of Heat and Mass Transfer, 2021, 165, 120688.	2.5	14
68	Numerical Simulations of Hydrodynamics and Heat Transfer in Wavy Falling Liquid Films on Vertical and Inclined Walls. Journal of Heat Transfer, 2013, 135, .	1.2	13
69	Estimation of local nucleate boiling heat flux using a three-dimensional transient heat conduction model. Inverse Problems in Science and Engineering, 2010, 18, 279-294.	1.2	12
70	The effect of wetting characteristics, thermophysical properties, and roughness on spray-wall heat transfer in selective catalytic reduction systems. International Journal of Heat and Mass Transfer, 2020, 152, 119554.	2.5	12
71	Exergoeconomic Analysis of a Pumped Heat Electricity Storage System with Concrete Thermal Energy Storage. International Journal of Thermodynamics, 2016, 19, 43.	0.4	12
72	Investigation of Decisive Mixture Effects in Nucleate Boiling of Binary Mixtures Using a Theoretical Model. Journal of Heat Transfer, 2003, 125, 1116-1122.	1.2	11

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73	Long-Wave and Integral Boundary Layer Analysis of Falling Film Flow on Walls With Three-Dimensional Periodic Structures. Heat Transfer Engineering, 2011, 32, 705-713.	1.2	11
74	Using microencapsulated fluorescent dyes for simultaneous measurement of temperature and velocity fields. Measurement Science and Technology, 2012, 23, 105306.	1.4	11
75	Molecular Dynamics simulation of the microregion. International Journal of Thermal Sciences, 2012, 59, 21-28.	2.6	11
76	Fingering instability of partially wetting evaporating liquids. Journal of Engineering Mathematics, 2012, 73, 31-38.	0.6	11
77	Drop evaporation of hydrocarbon fluids with deposit formation. International Journal of Heat and Mass Transfer, 2019, 128, 115-124.	2.5	11
78	Insights into the interplay of wetting and transport in mesoporous silica films. Journal of Colloid and Interface Science, 2020, 560, 369-378.	5.0	11
79	Experimental Investigation of Single Bubble Nucleate Boiling in Microgravity. Microgravity Science and Technology, 2020, 32, 597-607.	0.7	11
80	Frequency response of a surface thermometer based on unencapsulated thermochromic liquid crystals. Experimental Thermal and Fluid Science, 2007, 31, 687-699.	1.5	10
81	Heat Transfer Characteristics of a Train of Droplets Impinging Over a Hot Surface: From Film Evaporation to Leidenfrost Point. Journal of Heat Transfer, 2021, 143, .	1.2	10
82	Thin liquid films with time-dependent chemical reactions sheared by an ambient gas flow. Physical Review Fluids, 2017, 2, .	1.0	10
83	A numerical model for the thermocapillary flow and heat transfer in a thin liquid film on a microstructured wall. International Journal of Numerical Methods for Heat and Fluid Flow, 2007, 17, 247-262.	1.6	10
84	Erhï¿½hung des Wï¿½rmeï¿½berganges durch Wirbelinduktion in Oberflï¿½chendellen. Forschung Im Ingenieurwesen/Engineering Research, 2004, 69, 90-100.	1.0	9
85	PHASE SHIFT INTERFEROMETRY FOR ACCURATE TEMPERATURE MEASUREMENT AROUND A VAPOR BUBBLE. Experimental Heat Transfer, 2007, 20, 261-275.	2.3	9
86	Development of a Miniaturized Energy Converter Without Moving Parts. Flow, Turbulence and Combustion, 2013, 90, 741-761.	1.4	9
87	Local Heat Flux Investigation During Pool Boiling Single Bubble Cycles Under Reduced Gravity. Heat Transfer Engineering, 2014, 35, 482-491.	1.2	9
88	A numerical study on the hydrodynamic and heat transfer characteristics of oscillating Taylor bubble in a capillary tube. Applied Thermal Engineering, 2015, 89, 628-639.	3.0	9
89	Improving the operation of a district heating and a district cooling network. Energy Procedia, 2018, 149, 539-548.	1.8	9
90	Gas-driven thin liquid films: Effect of interfacial shear on the film waviness and convective heat transfer. International Journal of Thermal Sciences, 2019, 146, 106077.	2.6	9

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91	Combined direct numerical simulation and long-wave simulation of a liquid film sheared by a turbulent gas flow in a channel. Physics of Fluids, 2019, 31, .	1.6	9
92	Advanced Capillary Structures for High Performance Heat Pipes. , 2003, , 69.		8
93	RadSensor: x-ray detection by direct modulation of an optical probe beam. , 2004, , .		8
94	Thermocapillarity-induced vortexes and liquid film dynamics on structured heated walls. Journal of Non-Equilibrium Thermodynamics, 2005, 30, .	2.4	8
95	The influence of splattering on the development of the wall film after horizontal jet impingement onto a vertical wall. Experiments in Fluids, 2019, 60, 1.	1.1	8
96	HEAT FLUX DURING DIP-COATING OF A SUPERHEATED SUBSTRATE. Interfacial Phenomena and Heat Transfer, 2019, 7, 269-281.	0.3	8
97	A fully coupled numerical model for deposit formation from evaporating urea-water drops. International Journal of Heat and Mass Transfer, 2020, 159, 120069.	2.5	8
98	Thermocapillary convection and interface deformation in a liquid film within a micro-slot with structured walls. Microfluidics and Nanofluidics, 2007, 3, 207-215.	1.0	7
99	Falling liquid films on longitudinal grooved geometries: Integral boundary layer approach. Physics of Fluids, 2012, 24, 014104.	1.6	7
100	Direct Numerical Simulation of the Microscale Fluid Flow and Heat Transfer in the Three-Phase Contact Line Region During Evaporation. Journal of Heat Transfer, 2018, 140, .	1.2	7
101	Heat transfer during pulsating liquid jet impingement onto a vertical wall. Heat and Mass Transfer, 2021, 57, 617-629.	1.2	7
102	Numerical Investigation of Successively Nucleating Bubbles During Subcooled Flow Boiling of FC-72 in Microgravity. Microgravity Science and Technology, 2021, 33, 1.	0.7	7
103	Influence of capillary pressure on the evaporation of thin liquid films. Heat and Mass Transfer, 1995, 30, 467-472.	1.2	6
104	Theoretical Investigation of Advanced Capillary Structures in Grooved Heat Pipe Evaporators for Space Applications. , 2000, , .		6
105	Experimental investigation of the drying process of water-based paints used in automotive industry. Chemical Engineering and Processing: Process Intensification, 2011, 50, 489-494.	1.8	6
106	Enhancement of nucleate boiling heat transfer by micro-structured chromium nitride surfaces. Journal of Physics: Conference Series, 2012, 395, 012128.	0.3	6
107	Unidirectional bubble growth in microchannels with asymmetric surface features. International Journal of Heat and Mass Transfer, 2012, 55, 7056-7062.	2.5	6
108	Numerical and experimental analysis of short-scale Marangoni convection on heated structured surfaces. International Journal of Heat and Mass Transfer, 2015, 86, 764-779.	2.5	6

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109	Numerical investigation of the evolution and breakup of an evaporating liquid film on a structured wall. International Journal of Heat and Fluid Flow, 2018, 70, 104-113.	1.1	6
110	Temperature measurement using infrared thermometry within semi-transparent media. Experimental Heat Transfer, 2019, 32, 545-565.	2.3	6
111	Thermal Characteristics of a Three-Dimensional Coil Type Pulsating Heat Pipe at Different Heating Modes. Journal of Thermal Science and Engineering Applications, 2021, 13, .	0.8	6
112	High Resolution Measurement of Wall Temperature Distribution During Forced Convective Boiling in a Single Minichannel. , 2010, , .		5
113	Jet Impingement Quenching: Effect of Coolant Accumulation. Journal of Physics: Conference Series, 2012, 395, 012131.	0.3	5
114	HEAT TRANSFER IN THIN LIQUID FILMS FLOWING DOWN HEATED INCLINED GROOVED PLATES. Computational Thermal Sciences, 2010, 2, 455-468.	0.5	5
115	Exergoeconomic analysis of a pumped heat electricity storage system based on a Joule/Brayton cycle. Energy Science and Engineering, 2021, 9, 645-660.	1.9	5
116	Microscale measurement of wall-temperature distribution at a single vapor bubble for evaluation of a nucleate boiling model. AIP Conference Proceedings, 2002, , .	0.3	4
117	Mathematical modeling of moving contact lines in heat transfer applications. Microgravity Science and Technology, 2007, 19, 23-26.	0.7	4
118	Bubble Coalescence and Moving Contact Line Evaporation During Flow Boiling in a Single Minichannel. , 2013, , .		4
119	Experimental investigations of fuel film evaporation with deposit formation. International Journal of Heat and Fluid Flow, 2018, 70, 125-130.	1.1	4
120	INFLUENCE OF MICROSCALE CONCENTRATION GRADIENTS IN NUCLEATE BOILING HEAT TRANSFER OF BINARY MIXTURES. Multiphase Science and Technology, 2000, 12, 15.	0.2	4
121	Flow Patterns and Heat Transfer in Thin Liquid Films on Walls With Straight, Meandering and Zigzag Mini-Grooves. , 2008, , .		3
122	Experimental investigation on the thermo-hydrodynamics of oscillatory meniscus in a capillary tube using FC-72 as working fluid. International Journal of Multiphase Flow, 2015, 75, 82-87.	1.6	3
123	HEAT TRANSFER IN SHEAR-DRIVEN THIN LIQUID FILM FLOWS. Computational Thermal Sciences, 2013, 5, 303-315.	0.5	3
124	Identification of Physical Phenomena Governing Nucleate Boiling Heat Transfer of Binary Mixtures. Chemical Engineering and Technology, 2004, 27, 43-49.	0.9	2
125	Effect of Longitudinal Mini-Grooves on Flow Stability and Wave Characteristics of Falling Liquid Films. , 2007, , 923.		2
126	Experiments on Microencapsulated Phase Change Material Suspensions Flow in Rectangular Minichannels. , 2007, , .		2

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127	Design and Operation of a Novel Capillary Pumped Two-Loop System for Cooling of Electronic Devices. Heat Transfer Engineering, 2012, 33, 12-20.	1.2	2
128	Two dye combinations suitable for two-color/two-dye laser-induced fluorescence thermography for ethanol. Experiments in Fluids, 2017, 58, 1.	1.1	2
129	A Novel Twoâ€Step Model to Investigate Turbulent Gas Flows Shearing Thin Liquid Films. Proceedings in Applied Mathematics and Mechanics, 2019, 19, e201900083.	0.2	2
130	Evaporative Microchannel Cooling: An Atomistic Approach. , 2010, , .		2
131	High Resolution Heat Transfer Measurements at the Three Phase Contact Line of a Moving Single Meniscus. , 2014, , .		2
132	Evaluation of the waste heat utilization from a hot-water-cooled high performance computer via a heat pump. Energy Reports, 2021, 7, 70-78.	2.5	2
133	Influence of DMC percentage in fuel on deposit formation and emission behaviour. International Journal of Heat and Fluid Flow, 2022, 95, 108949.	1.1	2
134	Numerical simulation of the evaporation process of pinned urea-water droplets in cavities. International Journal of Heat and Fluid Flow, 2022, 95, 108970.	1.1	2
135	Falling Films in Micro- and Minigrooves: Heat Transfer and Flow Stability. , 2003, , 449.		1
136	Thermocapillary Convection in Thin Liquid Films on Walls With Microgrooves. , 2005, , 293.		1
137	Experimental and numerical investigation of evaporative heat transfer in the vicinity of the 3-phase contact line. , 2010, , .		1
138	Influence of Surface Topography on Heat Transfer in Shear-Driven Liquid Films. Journal of Physics: Conference Series, 2012, 395, 012164.	0.3	1
139	Hydrodynamics and Heat Transfer in a Liquid Film Flowing Over a Spinning Disk With Wall Topography. Heat Transfer Engineering, 2013, 34, 266-278.	1.2	1
140	Spreading of Micrometer-Sized Droplets under the Influence of Insoluble and Soluble Surfactants: A Numerical Study. Colloids and Interfaces, 2019, 3, 56.	0.9	1
141	Experiments on the Cooling Performance of Microencapsulated Phase Change Material Suspension Flow in Rectangular Minichannels. , 2007, , .		1
142	Numerical Investigation of Taylor-Bubble Characteristics During Flow Boiling in a Square Minichannel. , 2014, , .		1
143	EVAPORATION FROM MICROPOROUS SURFACES IN A MECHANICALLY PUMPED TWO-PHASE LOOP. Heat Pipe Science and Technology an International Journal, 2012, 3, 187-201.	0.2	1
144	HEAT TRANSFER IN SHEAR-DRIVEN THIN LIQUID FILM FLOWS. , 2012, , .		1

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145	Exergy analyses of heat supply systems for a building cluster with CARNOT. International Journal of Thermodynamics, 2017, 20, 191-198.	0.4	1
146	Wetting and evaporation of pinned ureaâ€“water-droplets on substrates of different wettability. International Journal of Heat and Fluid Flow, 2021, 92, 108886.	1.1	1
147	Nucleate Pool Boiling on Tubes With Subsurface Mini and Micro Channels. , 2008, , .		0
148	Heat Transfer and Evaporation of Falling Liquid Films on Surfaces With Advanced Three-Dimensional Periodic Structures: Experiments and Numerical Simulations. , 2010, , .		0
149	Heat Transfer During Drop Impact Onto Wetted Heated Smooth and Structured Substrates: Experimental and Theoretical Study. , 2010, , .		0
150	Heat Transfer to Suspensions of Microencapsulated Phase Change Material (MEPCM) Flowing Through Minichannels. , 2010, , .		0
151	Hydrodynamics and Heat Transfer in a Liquid Film Flowing Over a Spinning Disk With Specific Wall Topography. , 2011, , .		0
152	Numerical simulation and modeling of liquid film evaporation inside axisymmetric reentrant cavities. MATEC Web of Conferences, 2014, 18, 01005.	0.1	0
153	Professor Issam Mudawar on his 60th birthday. International Journal of Heat and Mass Transfer, 2015, 89, A1-A3.	2.5	0
154	Thermocapillary Convection and Interface Deformation in a Liquid Film Flowing Inside a Micro-Slot With Structured Walls. , 2005, , .		0
155	Local Measurement of Forced Convection Heat Transfer in a Micro Glass Tube. , 2008, , .		0
156	EXPERIMENTAL INVESTIGATION OF DYNAMICS AND ATOMIZATION OF A LIQUID FILM FLOWING OVER A SPINNING DISK. Atomization and Sprays, 2013, 23, 589-603.	0.3	0
157	Liquid Crystal Technique for Measuring Temperature. , 2013, , 1-16.		0
158	EXPERIMENTAL STUDY OF A LOOP HEAT PIPE SYSTEM FOR AUTOMOTIVE EXHAUST GAS HEAT RECOVERY. Heat Pipe Science and Technology an International Journal, 2014, 5, 603-610.	0.2	0