

Yuying Y Yan

List of Publications by Year in descending order

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342
papers

11,794
citations

29994

54
h-index

40881

93
g-index

346
all docs

346
docs citations

346
times ranked

9210
citing authors

#	ARTICLE	IF	CITATIONS
1	Lenticulostriate artery length and middle cerebral artery plaque as predictors of early neurological deterioration in single subcortical infarction. <i>International Journal of Stroke</i> , 2023, 18, 95-101.	2.9	16
2	Numerical simulation on combustion based on soft-measuring technique. <i>Heat and Mass Transfer</i> , 2022, 58, 143-156.	1.2	0
3	Depression of melting point and latent heat of molten salts as inorganic phase change material: Size effect and mechanism. <i>Journal of Molecular Liquids</i> , 2022, 346, 117058.	2.3	17
4	Molecular insights into the effect of anionic-nonionic and cationic surfactant mixtures on interfacial properties of oil-water interface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 637, 128259.	2.3	25
5	Thermal performance of a phase change material-based heat sink in presence of nanoparticles and metal-foam to enhance cooling performance of electronics. <i>Journal of Energy Storage</i> , 2022, 48, 103882.	3.9	33
6	Effects of Pearlite on Thermal Fatigue and Wear Resistance of Gray Cast Iron Treated by Laser. <i>Journal of Materials Engineering and Performance</i> , 2022, 31, 3962-3974.	1.2	2
7	Retinal microvascular changes in white matter hyperintensities investigated by swept source optical coherence tomography angiography. <i>BMC Ophthalmology</i> , 2022, 22, 77.	0.6	1
8	Effects of Intake Components and Stratification on the Particle and Gaseous Emissions of a Diesel Engine. <i>ACS Omega</i> , 2022, 7, 10001-10011.	1.6	1
9	Component-dependent thermal properties of molten salt eutectics for solar thermal energy storage: Experiments, molecular simulation and applications. <i>Applied Thermal Engineering</i> , 2022, 209, 118333.	3.0	16
10	Optical diagnostic study of coal-to-liquid/butanol blend and dual-fuel combustion of a CI engine. <i>Fuel</i> , 2022, 320, 123978.	3.4	9
11	Dynamic behaviors of fuel droplets impacting on the wall surfaces with different wettability and temperatures. <i>Applied Thermal Engineering</i> , 2022, 212, 118536.	3.0	9
12	A low-cost sustainable coating: Improving passive daytime radiative cooling performance using the spectral band complementarity method. <i>Renewable Energy</i> , 2022, 192, 606-616.	4.3	32
13	Experimental investigation on end winding thermal management with oil spray in electric vehicles. <i>Case Studies in Thermal Engineering</i> , 2022, 35, 102082.	2.8	10
14	Experimental study of viscosity and thermal conductivity of water based Fe ₃ O ₄ nanofluid with highly disaggregated particles. <i>Case Studies in Thermal Engineering</i> , 2022, 35, 102160.	2.8	19
15	Heat transfer characteristics and compatibility of molten salt/ceramic porous composite phase change material. <i>Nano Energy</i> , 2022, 100, 107476.	8.2	49
16	Experimental investigation into the effects of pilot fuel and intake condition on combustion and emission characteristics of RCCI engine. <i>Fuel</i> , 2022, 325, 124912.	3.4	6
17	Three-Dimensional Numerical Simulation of Hydrocarbon Production and Reservoir Deformation of Oil Shale In Situ Conversion Processing Using a Downhole Burner. <i>ACS Omega</i> , 2022, 7, 23695-23707.	1.6	2
18	Flow-induced shear stress and deformation of a core-shell structured microcapsule in a microchannel. <i>Electrophoresis</i> , 2022, 43, 1993-2004.	1.3	3

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19	Optimization and experimental analysis of sustainable solar collector efficiency under the influence of magnetic nanofluids. <i>Applied Nanoscience (Switzerland)</i> , 2022, 12, 3859-3870.	1.6	7
20	Evaluation of energy recovery potential of solar thermoelectric generators using a three-dimensional transient numerical model. <i>Energy</i> , 2022, 256, 124667.	4.5	18
21	Prospect Evaluation of Low-GWP Refrigerants R1233zd(E) and R1336mzz(Z) Used in Solar-Driven Ejector-Vapor Compression Hybrid Refrigeration System. <i>Journal of Thermal Science</i> , 2021, 30, 1572-1580.	0.9	15
22	Transient process optimization of battery cooling on heat transfer enhancement structure. <i>Applied Thermal Engineering</i> , 2021, 182, 115897.	3.0	18
23	Numerical simulation of circulating tumor cell separation in a dielectrophoresis based Y-Y shaped microfluidic device. <i>Separation and Purification Technology</i> , 2021, 255, 117343.	3.9	25
24	Efficacy of progesterone on threatened miscarriage: an updated meta-analysis of randomized trials. <i>Archives of Gynecology and Obstetrics</i> , 2021, 303, 27-36.	0.8	5
25	Using mesoporous carbon to pack polyethylene glycol as a shape-stabilized phase change material with excellent energy storage capacity and thermal conductivity. <i>Microporous and Mesoporous Materials</i> , 2021, 310, 110631.	2.2	49
26	Passive control of temperature distribution in cancerous tissue during photothermal therapy using optical phase change nanomaterials. <i>International Journal of Thermal Sciences</i> , 2021, 161, 106754.	2.6	13
27	Development of TiO ₂ /RT-35HC based nanocomposite phase change materials (NCPCMs) for thermal management applications. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 43, 100865.	1.7	10
28	Effects of angle formation between melted zone and friction direction on thermal fatigue and wear resistance of truck drum brake. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2021, 235, 1297-1307.	1.1	3
29	An experimental study of using coal to liquid (CTL) and diesel as pilot fuels for gasoline dual-fuel combustion. <i>Fuel</i> , 2021, 289, 119962.	3.4	11
30	Investigation of the influence of Fe ₃ O ₄ -water nanofluids on capillary performance in microgrooves wick. <i>Applied Thermal Engineering</i> , 2021, 182, 115899.	3.0	10
31	Direct Phase-Change Cooling of Vapor Chamber Integrated With IGBT Power Electronic Module for Automotive Application. <i>IEEE Transactions on Power Electronics</i> , 2021, 36, 5736-5747.	5.4	21
32	A review of phase change heat transfer in shape-stabilized phase change materials (ss-PCMs) based on porous supports for thermal energy storage. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 135, 110127.	8.2	307
33	Design and Experimental Study on a New Heat Dissipation Method for Watch-Phones. , 2021, , 621-625.		0
34	Multi-bubble Coalescence Simulations with Large Density Ratio Using Improved Lattice Boltzmann Method. , 2021, , 361-375.		0
35	ELECTROHYDRODYNAMIC MINI FLAT HEAT PIPE FOR ADVANCED ELECTRONICS COOLING. <i>Interfacial Phenomena and Heat Transfer</i> , 2021, 9, 43-59.	0.3	2
36	Fabrication of a micro/nanoscaled hierarchical structure surface on brass with anti-icing and self-cleaning properties. <i>New Journal of Chemistry</i> , 2021, 45, 16059-16068.	1.4	4

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37	The effects of bio-inspired micro/nano scale structures on anti-icing properties. <i>Soft Matter</i> , 2021, 17, 447-466.	1.2	24
38	Design and Simulation of the Thermal Management System for 5G Mobile Phones. , 2021, , 563-567.		1
39	Effect of Turbulence Models on Steam Condensation in Transoá1çic Flows. , 2021, , 711-715.		1
40	Thermophysical characteristics and enhancement analysis of carbon-additives phase change mono and hybrid materials for thermal management of electronic devices. <i>Journal of Energy Storage</i> , 2021, 34, 102231.	3.9	25
41	Lenticulostriate artery combined with neuroimaging markers of cerebral small vessel disease differentiate the pathogenesis of recent subcortical infarction. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 0271678X2199262.	2.4	20
42	Reduced Superficial Capillary Density in Cerebral Infarction Is Inversely Correlated With the NIHSS Score. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 626334.	1.7	10
43	Improving transient performance of thermoelectric generator by integrating phase change material. <i>Energy</i> , 2021, 219, 119648.	4.5	36
44	Thermophoretic collection of virus-laden (SARS-CoV-2) aerosols. <i>Biomicrofluidics</i> , 2021, 15, 024101.	1.2	3
45	The social stigma of infertile women in Zhejiang Province, China: a questionnaire-based study. <i>BMC Women's Health</i> , 2021, 21, 97.	0.8	16
46	Numerical and experimental study on optimization of CPU system cooled by nanofluids. <i>Case Studies in Thermal Engineering</i> , 2021, 24, 100848.	2.8	22
47	Plasmonic Optical Tweezers for Particle Manipulation: Principles, Methods, and Applications. <i>ACS Nano</i> , 2021, 15, 6105-6128.	7.3	67
48	Public-Health-Driven Microfluidic Technologies: From Separation to Detection. <i>Micromachines</i> , 2021, 12, 391.	1.4	12
49	Wet steam flow and condensation loss in turbine blade cascades. <i>Applied Thermal Engineering</i> , 2021, 189, 116748.	3.0	41
50	Numerical investigation of heat transfer and flow characteristics of a double-wall cooling structure: Reverse circular jet impingement. <i>Applied Thermal Engineering</i> , 2021, 189, 116720.	3.0	19
51	Effects of Intake Components on Combustion and Emission Characteristics in an <i>n</i> -Butanol/Diesel Blend Fueled Engine. <i>ACS Omega</i> , 2021, 6, 16129-16139.	1.6	2
52	Serial magnetic resonance imaging changes of pseudotumor lesions in retinal vasculopathy with cerebral leukoencephalopathy and systemic manifestations: a case report. <i>BMC Neurology</i> , 2021, 21, 219.	0.8	3
53	Numerical investigation on the dynamic response characteristics of a thermoelectric generator module under transient temperature excitations. <i>Renewable Energy</i> , 2021, 170, 811-823.	4.3	37
54	Thermal cooling of electronics using hybrid nanoparticles dispersed PCM based finned heat sink. , 2021, , .		1

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55	Thermal process enhancement of HNCPCM filled heat sink: Effect of hybrid nanoparticles ratio and shape. <i>International Communications in Heat and Mass Transfer</i> , 2021, 125, 105323.	2.9	13
56	A discussion for the formation of cassie droplet on nanostructured surface using molecular dynamics simulation. <i>Case Studies in Thermal Engineering</i> , 2021, 25, 100976.	2.8	10
57	Melting and thermodynamic properties of nanoscale binary chloride salt as high-temperature energy storage material. <i>Case Studies in Thermal Engineering</i> , 2021, 25, 100973.	2.8	11
58	A numerical study of HNCPCM filled metal-foam strips based heat sink for passive cooling. , 2021, , .		1
59	Droplet Nucleation and Growth in the Presence of Noncondensable Gas: A Molecular Dynamics Study. <i>Langmuir</i> , 2021, 37, 9009-9016.	1.6	14
60	Assessment of the outer retina and choroid in white matter lesions participants using sweptâ€source optical coherence tomography. <i>Brain and Behavior</i> , 2021, 11, e2240.	1.0	2
61	Polyethylene glycol phase change material embedded in a hierarchical porous carbon with superior thermal storage capacity and excellent stability. <i>Composites Science and Technology</i> , 2021, 210, 108832.	3.8	47
62	Thermal properties of PEG/MOF-5 regularized nanoporous composite phase change materials: A molecular dynamics simulation. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 101027.	2.8	9
63	Experimental and kinetic study on the laminar burning speed, Markstein length and cellular instability of oxygenated fuels. <i>Fuel</i> , 2021, 297, 120754.	3.4	11
64	Experimental Investigation for a Novel Prototype of a Thermoelectric Power Generator With Heat Pipes. <i>Frontiers in Energy Research</i> , 2021, 9, .	1.2	1
65	Transient numerical modelling of a thermoelectric generator system used for automotive exhaust waste heat recovery. <i>Applied Energy</i> , 2021, 297, 117151.	5.1	45
66	Thermo-physical properties prediction of carbon-based magnetic nanofluids based on an artificial neural network. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 149, 111341.	8.2	38
67	Thermo-hydraulic performance of nanofluids in a bionic heat sink. <i>International Communications in Heat and Mass Transfer</i> , 2021, 127, 105492.	2.9	48
68	Recent advances of nanofluids in micro/nano scale energy transportation. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 149, 111346.	8.2	29
69	Effect of the hotter groove on the capillary flow enhancement with nanofluids in a microgrooves wick. <i>International Communications in Heat and Mass Transfer</i> , 2021, 127, 105512.	2.9	7
70	Efficient radiative cooling coating with biomimetic human skin wrinkle structure. <i>Nano Energy</i> , 2021, 89, 106377.	8.2	170
71	Comparative assessment of n-butanol addition in CTL on performance and exhaust emissions of a CI engine. <i>Fuel</i> , 2021, 303, 121223.	3.4	5
72	Numerical investigation on improving the heat storage and transfer performance of ceramic /D-mannitol composite phase change materials by bionic graded pores and nanoparticle additives. <i>International Journal of Heat and Mass Transfer</i> , 2021, 179, 121748.	2.5	20

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73	Comparison of different fluid-thermal-electric multiphysics modeling approaches for thermoelectric generator systems. <i>Renewable Energy</i> , 2021, 180, 1266-1277.	4.3	20
74	Thermal Performance on a Vapor Chamber-Based Battery Thermal Management System. , 2021, , 597-601.		0
75	Magnetic Field-induced Enhancement of Phase Change Heat Transfer via Biomimetic Porous Structure for Solar-thermal Energy Storage. <i>Journal of Bionic Engineering</i> , 2021, 18, 1215-1224.	2.7	11
76	Towards the thermal management of electronic devices: A parametric investigation of finned heat sink filled with PCM. <i>International Communications in Heat and Mass Transfer</i> , 2021, 129, 105643.	2.9	36
77	A review of the state-of-the-art in electronic cooling. <i>E-Prime</i> , 2021, 1, 100009.	2.1	53
78	Macular Microvasculature Is Associated With Total Cerebral Small Vessel Disease Burden in Recent Single Subcortical Infarction. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 787775.	1.7	15
79	Synthetic jet actuators for heat transfer enhancement – A critical review. <i>International Journal of Heat and Mass Transfer</i> , 2020, 146, 118815.	2.5	51
80	Effects of turbulator with round hole on the thermo-hydraulic performance of nanofluids in a triangle tube. <i>International Journal of Heat and Mass Transfer</i> , 2020, 146, 118897.	2.5	47
81	Local Heat Transfer Characteristic Coincidence in Helically Coiled Tubes Under Different Heating Conditions. <i>Heat Transfer Engineering</i> , 2020, 41, 1711-1719.	1.2	0
82	Steady-state performance evaluation and energy assessment of a complete membrane-based liquid desiccant dehumidification system. <i>Applied Energy</i> , 2020, 258, 114082.	5.1	24
83	Heat spreading performance of SiC-based power module with bonded vapour chamber for electric powertrain integration. <i>Applied Thermal Engineering</i> , 2020, 181, 115896.	3.0	9
84	Analysis of overhead transmission lines fusing failure due to poor contact between conductors and clamps. <i>Engineering Failure Analysis</i> , 2020, 118, 104858.	1.8	4
85	Magnetically-accelerated photo-thermal conversion and energy storage based on bionic porous nanoparticles. <i>Solar Energy Materials and Solar Cells</i> , 2020, 217, 110681.	3.0	14
86	Investigation of Droplet Evaporation on Copper Substrate with Different Roughness. <i>Journal of Bionic Engineering</i> , 2020, 17, 835-842.	2.7	4
87	Prediction on the viscosity and thermal conductivity of hfc/hfo refrigerants with artificial neural network models. <i>International Journal of Refrigeration</i> , 2020, 119, 316-325.	1.8	24
88	Thermal Management Optimization of a Lithium-Ion Battery Module with Graphite Sheet Fins and Liquid Cold Plates. <i>Automotive Innovation</i> , 2020, 3, 336-346.	3.1	12
89	Thermophysical characteristics and application of metallic-oxide based mono and hybrid nanocomposite phase change materials for thermal management systems. <i>Applied Thermal Engineering</i> , 2020, 181, 115999.	3.0	36
90	Thermal Analyses of Power Electronics Integrated with Vapour Chamber Cooling. <i>Automotive Innovation</i> , 2020, 3, 328-335.	3.1	1

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91	Drag reduction mechanism of <i>Paramisgurnus dabryanus</i> loach with self-lubricating and flexible micro-morphology. <i>Scientific Reports</i> , 2020, 10, 12873.	1.6	13
92	Plaque Distribution Correlates With Morphology of Lenticulostriate Arteries in Single Subcortical Infarctions. <i>Stroke</i> , 2020, 51, 2801-2809.	1.0	32
93	Droplet Deposition Pattern Affected by Different Heating Directions. <i>Journal of Bionic Engineering</i> , 2020, 17, 795-801.	2.7	5
94	Effects of metal foam on exergy and entropy of nanofluids in a heat sink applied for thermal management of electronic components. <i>International Journal of Energy Research</i> , 2020, 44, 10628-10651.	2.2	20
95	A Study of the Truncated Square Pyramid Geometry for Enhancement of Super-hydrophobicity. <i>Journal of Bionic Engineering</i> , 2020, 17, 843-850.	2.7	3
96	A multiscale approach for simulation of shale gas transport in organic nanopores. <i>Energy</i> , 2020, 210, 118547.	4.5	39
97	Preface " Selected Papers from UKHTC2019. <i>Journal of Bionic Engineering</i> , 2020, 17, 793-794.	2.7	0
98	Thermal Performance of a Micro Heat Pipe Array for Battery Thermal Management Under Special Vehicle-Operating Conditions. <i>Automotive Innovation</i> , 2020, 3, 317-327.	3.1	11
99	Thermal Performance of PCM-based Heat Sink with Partially Filled Copper Oxide Coated Metal-foam for Thermal Management of Microelectronics. , 2020, , .		5
100	Thermal Management of Electrified Propulsion System for Low-Carbon Vehicles. <i>Automotive Innovation</i> , 2020, 3, 299-316.	3.1	29
101	Editorial Preface for Special Section on Thermal Management. <i>Automotive Innovation</i> , 2020, 3, 297-298.	3.1	0
102	Effect of adding copper oxide nanoparticles on the mass/heat transfer in falling film absorption. <i>Applied Thermal Engineering</i> , 2020, 181, 115937.	3.0	14
103	Fabry disease presenting as bilateral medial medullary infarction with a "heart appearance" sign: a case report. <i>BMC Neurology</i> , 2020, 20, 180.	0.8	1
104	Experimental analysis of a high temperature water heat pipe for thermal storage applications. <i>Thermal Science and Engineering Progress</i> , 2020, 19, 100564.	1.3	8
105	Transient simulation of finned heat sinks embedded with PCM for electronics cooling. <i>Thermal Science and Engineering Progress</i> , 2020, 18, 100520.	1.3	82
106	Thermal Conductivity of a 2D Covalent Organic Framework and Its Enhancement Using Fullerene 3D Self-Assembly: a Molecular Dynamics Simulation. <i>Journal of Physical Chemistry C</i> , 2020, 124, 8386-8393.	1.5	17
107	Synergetic treatment of dye contaminated wastewater using microparticles functionalized with carbon nanotubes/titanium dioxide nanocomposites. <i>RSC Advances</i> , 2020, 10, 9210-9225.	1.7	20
108	Morphological Development of Fuel Droplets after Impacting Biomimetic Structured Surfaces with Different Temperatures. <i>Journal of Bionic Engineering</i> , 2020, 17, 822-834.	2.7	6

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109	Solar-thermal conversion and steam generation: a review. <i>Applied Thermal Engineering</i> , 2020, 179, 115691.	3.0	95
110	Effects of magnetic field on thermo-hydraulic behaviors of magnetic nanofluids in CPU cooling system. <i>Applied Thermal Engineering</i> , 2020, 179, 115717.	3.0	84
111	A novel thermal efficiency analysis on the thermo-hydraulic performance of nanofluids in an improved heat exchange system under adjustable magnetic field. <i>Applied Thermal Engineering</i> , 2020, 179, 115688.	3.0	72
112	Mirror movements induced by hemiballism due to putamen infarction: a case report and literature review. <i>Annals of Translational Medicine</i> , 2020, 8, 19-19.	0.7	4
113	Experimental study on thermal efficiency improvement using nanofluids in heat sink with heated circular cylinder. <i>International Communications in Heat and Mass Transfer</i> , 2020, 114, 104589.	2.9	46
114	Bio-inspired Recyclable Carbon Interface for Solar Steam Generation. <i>Journal of Bionic Engineering</i> , 2020, 17, 315-325.	2.7	6
115	Experimental investigation on the combustion and emissions characteristics of an N-butanol/CTL dual fuel engine. <i>Fuel</i> , 2020, 274, 117696.	3.4	15
116	Confinement Effects and CO ₂ /CH ₄ Competitive Adsorption in Realistic Shale Kerogen Nanopores. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 6696-6706.	1.8	40
117	Preparation and characteristics evaluation of mono and hybrid nano-enhanced phase change materials (NePCMs) for thermal management of microelectronics. <i>Energy Conversion and Management</i> , 2020, 205, 112444.	4.4	92
118	Prospect of solar-driven ejector-compression hybrid refrigeration system with low GWP refrigerants in summer of Guangzhou and Beijing. <i>International Journal of Refrigeration</i> , 2020, 117, 230-236.	1.8	18
119	Numerical modelling of non-equilibrium condensation of carbon dioxide (CO ₂) in a converging-diverging nozzle. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	0
120	Experimental study on the flow and heat transfer characteristics of nanofluids in double-tube heat exchangers based on thermal efficiency assessment. <i>Energy Conversion and Management</i> , 2019, 197, 111877.	4.4	132
121	Numerical study on the heating performance of a novel integrated thermal management system for the electric bus. <i>Energy</i> , 2019, 186, 115812.	4.5	11
122	Slippery liquid-infused porous electric heating coating for anti-icing and de-icing applications. <i>Surface and Coatings Technology</i> , 2019, 374, 889-896.	2.2	53
123	Compressive property of aluminum-epoxy resin-cenosphere interpenetrating phase composites foams. <i>Materials Research Express</i> , 2019, 6, 1165c8.	0.8	6
124	Experimental Study on Drag Reduction Characteristics of Bionic Earthworm Self-Lubrication Surface. <i>Applied Bionics and Biomechanics</i> , 2019, 2019, 1-8.	0.5	3
125	Combustion visualization for coal-based synthetic fuel and its mixture with oxygenated fuels achieved using two-color method. <i>Energy Procedia</i> , 2019, 160, 372-380.	1.8	4
126	Numerical study on inertial effects on liquid-vapor flow using lattice Boltzmann method. <i>Energy Procedia</i> , 2019, 160, 428-435.	1.8	0

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127	A mathematical study of water migration in heat pipe from plants. <i>Energy Procedia</i> , 2019, 160, 202-207.	1.8	1
128	Synthesis of microcapsules for carbon capture via needle-based droplet microfluidics. <i>Energy Procedia</i> , 2019, 160, 443-450.	1.8	8
129	Numerical simulation of heat and moisture transfer in fibrous porous media dehydration process with ultrasound assisted. <i>International Journal of Heat and Mass Transfer</i> , 2019, 142, 118443.	2.5	10
130	Experimental study of the effects of nanofluids on wicking ability and thermal performance of a vertical open microgrooves heat sink. <i>International Journal of Heat and Mass Transfer</i> , 2019, 144, 118674.	2.5	10
131	An efficient approach to separate CO ₂ using supersonic flows for carbon capture and storage. <i>Applied Energy</i> , 2019, 238, 311-319.	5.1	92
132	A review on graphene based nanofluids: Preparation, characterization and applications. <i>Journal of Molecular Liquids</i> , 2019, 279, 444-484.	2.3	144
133	Adsorption Mechanism of CO ₂ /CH ₄ in Kaolinite Clay: Insight from Molecular Simulation. <i>Energy & Fuels</i> , 2019, 33, 6542-6551.	2.5	63
134	The micro/nano-PCMs for thermal energy storage systems: A state of art review. <i>International Journal of Energy Research</i> , 2019, 43, 5572-5620.	2.2	98
135	A general method to predict the performance of closed pulsating heat pipe by artificial neural network. <i>Applied Thermal Engineering</i> , 2019, 157, 113761.	3.0	44
136	Design, fabrication and thermal performance of a novel ultra-thin vapour chamber for cooling electronic devices. <i>Energy Conversion and Management</i> , 2019, 187, 221-231.	4.4	106
137	Performance of supersonic steam ejectors considering the nonequilibrium condensation phenomenon for efficient energy utilisation. <i>Applied Energy</i> , 2019, 242, 157-167.	5.1	92
138	Effect of various winglets on the performance of marine propeller. <i>Applied Ocean Research</i> , 2019, 86, 246-256.	1.8	38
139	Influence of biodiesel/diesel blends on particle size distribution of CI engine under steady/transient conditions. <i>Fuel</i> , 2019, 245, 336-344.	3.4	17
140	Effect of corrugation pitch on thermo-hydraulic performance of nanofluids in corrugated tubes of heat exchanger system based on exergy efficiency. <i>Energy Conversion and Management</i> , 2019, 186, 51-65.	4.4	64
141	Effects of rotation angle and metal foam on natural convection of nanofluids in a cavity under an adjustable magnetic field. <i>International Communications in Heat and Mass Transfer</i> , 2019, 109, 104349.	2.9	53
142	A comparative study on droplet characteristics and specific charge of ethanol in two small-scale electrospray systems. <i>Scientific Reports</i> , 2019, 9, 18791.	1.6	22
143	Effects of magnetic field on thermo-hydraulic performance of Fe ₃ O ₄ -water nanofluids in a corrugated tube. <i>International Journal of Heat and Mass Transfer</i> , 2019, 128, 24-45.	2.5	67
144	Predicting of thermal resistances of closed vertical meandering pulsating heat pipe using artificial neural network model. <i>Applied Thermal Engineering</i> , 2019, 149, 1134-1141.	3.0	45

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145	Energy and exergy analysis of fuel cells: A review. Thermal Science and Engineering Progress, 2019, 9, 308-321.	1.3	127
146	Effect of distributed photovoltaic power station on cooling load induced by roof for sunny day in summer. Thermal Science and Engineering Progress, 2019, 10, 36-41.	1.3	5
147	Experimental investigation of turbulent forced heat transfer of Fe ₃ O ₄ ethylene glycol " Water nanofluid with highly disaggregated particles. Thermal Science and Engineering Progress, 2019, 10, 1-9.	1.3	17
148	Investigation of heat transfer and thermal stresses of novel thermal management system integrated with vapour chamber for IGBT power module. Thermal Science and Engineering Progress, 2019, 10, 73-81.	1.3	45
149	Influences of the mixed LiCl-CaCl ₂ liquid desiccant solution on a membrane-based dehumidification system: Parametric analysis and mixing ratio selection. Energy and Buildings, 2019, 183, 592-606.	3.1	23
150	An Experimental Investigation on the Effect of Ferrofluids on the Efficiency of Novel Parabolic Trough Solar Collector Under Laminar Flow Conditions. Heat Transfer Engineering, 2019, 40, 753-761.	1.2	29
151	Analysis of which local set-up errors can be covered by a 5-mm margin for cone-beam CT-guided radiotherapy for nasopharyngeal carcinoma. British Journal of Radiology, 2018, 91, 20160849.	1.0	4
152	Conjugate natural convection heat transfer in an open-ended square cavity partially filled with porous media. International Journal of Heat and Mass Transfer, 2018, 124, 368-380.	2.5	33
153	Effect of rotating twisted tape on thermo-hydraulic performances of nanofluids in heat-exchanger systems. Energy Conversion and Management, 2018, 166, 744-757.	4.4	85
154	A study on the unphysical mass transfer of SCMP pseudopotential LBM. International Journal of Heat and Mass Transfer, 2018, 123, 815-820.	2.5	7
155	A modified phase change pseudopotential lattice Boltzmann model. International Journal of Heat and Mass Transfer, 2018, 125, 323-329.	2.5	15
156	The role of dipole interactions in hyperthermia heating colloidal clusters of densely-packed superparamagnetic nanoparticles. Scientific Reports, 2018, 8, 4704.	1.6	62
157	Natural convection heat transfer of a straight-fin heat sink. International Journal of Heat and Mass Transfer, 2018, 123, 561-568.	2.5	62
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