Zhonghao Rao

List of Publications by Year
in descending order

155 papers	9,794 citations	53939 47 h-index	45040 94 g-index
172 all docs	172 docs citations	172 times ranked	5683 citing authors

#	Article	IF	Citations
1	Fabrication of fire-retardant building materials via a hyper-crosslinking chemical conversion process from waste polystyrenes. Energy and Built Environment, 2022, 3, 226-232.	2.9	7
2	Thermal performance enhancement and prediction of narrow liquid cooling channel for battery thermal management. International Journal of Thermal Sciences, 2022, 171, 107250.	2.6	27
3	Heat transfer enhanced by angle-optimized fan-shaped porous medium in phase change thermal energy storage system at pore scale. International Journal of Thermal Sciences, 2022, 172, 107363.	2.6	9
4	Simulation of solid-liquid phase change at pore scale using lattice Boltzmann method with central moments in thermal energy storage. Journal of Energy Storage, 2022, 49, 104116.	3.9	4
5	Synthesis and characterization of microencapsulated phase change material with phenol-formaldehyde resin shell for thermal energy storage. Solar Energy Materials and Solar Cells, 2022, 243, 111789.	3.0	17
6	Role of natural convection and battery arrangement for phase change material based battery thermal management unit. Journal of Energy Storage, 2022, 52, 104820.	3.9	5
7	Thermal safety and thermal management of batteries. , 2022, 1, .		14
8	Thermal conductivity of straight-chain polytetrafluoroethylene: A molecular dynamics study. International Journal of Thermal Sciences, 2021, 159, 106646.	2.6	5
9	Analytical solutions of heat storage and heat transfer performance of parallelâ€plate regenerators in Stirling cycle. International Journal of Energy Research, 2021, 45, 3327-3342.	2.2	1
10	A Thermostatâ€Consistent Fully Coupled Molecular Dynamicsâ€”Generalized Fluctuating Hydrodynamics Model. Advanced Theory and Simulations, 2021, 4, 2000209.	1.3	1
11	Heat transfer enhancement in thermal energy storage using phase change material by optimal arrangement. International Journal of Thermal Sciences, 2021, 161, 106736.	2.6	4
12	Formaldehyde in multicomponent reactions. Green Chemistry, 2021, 23, 1447-1465.	4.6	46
13	Gasâ€“Solid Distribution Theory in a Pulsed Fluidized Bed Based on the Intermediate Phase. Industrial & Engineering Chemistry Research, 2021, 60, 3228-3238.	1.8	2
14	Experimental study on the effect of different surfactants on the thermophysical properties of graphene filled nanofluids. International Journal of Energy Research, 2021, 45, 10043-10063.	2.2	17
15	Three-dimensional oscillating heat pipes with novel structure for latent heat thermal energy storage application. Applied Thermal Engineering, 2021, 187, 116574.	3.0	18
16	Highly Efficient Thermal Energy Storage Using a Hybrid Hypercrosslinked Polymer**. Angewandte Chemie, 2021, 133, 14097-14106.	1.6	5
17	Highly Efficient Thermal Energy Storage Using a Hybrid Hypercrosslinked Polymer**. Angewandte Chemie - International Edition, 2021, 60, 13978-13987.	7.2	39
18	InnenrÃ¼cktitelbild: Highly Efficient Thermal Energy Storage Using a Hybrid Hypercrosslinked Polymer (Angew. Chem. 25/2021). Angewandte Chemie, 2021, 133, 14315-14315.	1.6	0

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19	Heat transfer performance enhancement of liquid cold plate based on mini V-shaped rib for battery thermal management. Applied Thermal Engineering, 2021, 189, 116729.	3.0	33
20	Experimental research on heat transfer performance of CO2 low temperature heat pipe. International Journal of Heat and Mass Transfer, 2021, 170, 120987.	2.5	5
21	Vertically Aligned Al₂O₃ Fiber Framework Leading to Anisotropically Enhanced Thermal Conductivity of Epoxy Composites. Advanced Engineering Materials, 2021, 23, 2100327.	1.6	11
22	Analysis of temperature uniformity of electric vehicle battery system with swirling flow strengthened heat transfer. Applied Thermal Engineering, 2021, 193, 116995.	3.0	16
23	Printing quality improvement for laser-induced forward transfer bioprinting: Numerical modeling and experimental validation. Physics of Fluids, 2021, 33, .	1.6	6
24	Hydrogen production via highly efficient electrocatalyst based on 3D NixCo1-x(OH)2/NiFe-AM induce overall water splitting. International Journal of Hydrogen Energy, 2021, 46, 29916-29925.	3.8	6
25	Prediction of minimum fluidization velocity in pulsed gasâ€“solid fluidized bed. Chemical Engineering Journal, 2021, 417, 127965.	6.6	12
26	Synthesis of Sn@SnO2 core-shell microcapsules by a self-oxidation strategy for medium temperature thermal storage. Chemical Engineering Journal, 2021, 420, 129906.	6.6	25
27	Experimental investigation on the stability and heat transfer enhancement of modified mircoencapsulated phase change materials and latent functionally thermal fluids. Journal of Energy Storage, 2021, 41, 102846.	3.9	11
28	Investigation on the performance enhancement of baffled cold plate based battery thermal management system. Journal of Energy Storage, 2021, 41, 102882.	3.9	17
29	Recent advances of nanofluids in micro/nano scale energy transportation. Renewable and Sustainable Energy Reviews, 2021, 149, 111346.	8.2	29
30	A facile freezeâ€“thaw ultrasonic assisted circulation method of graphite flakes prepared by anode graphite from spent lithium-ion batteries for application in nanofluids. Sustainable Energy and Fuels, 2021, 5, 4882-4894.	2.5	5
31	A molecular dynamics study on heat conduction of crosslinked epoxy resin based thermal interface materials for thermal management. Computational Materials Science, 2020, 172, 109298.	1.4	34
32	Enhanced thermal performance of phase change material stabilized with textile-structured carbon scaffolds. Solar Energy Materials and Solar Cells, 2020, 205, 110241.	3.0	34
33	Anisotropically enhanced heat transfer properties of phase change material reinforced by graphene-wrapped carbon fibers. Solar Energy Materials and Solar Cells, 2020, 206, 110280.	3.0	27
34	Investigation on the thermal behavior of Ni-rich NMC lithium ion battery for energy storage. Applied Thermal Engineering, 2020, 166, 114749.	3.0	50
35	Highly efficient thermal energy storage enabled by a hierarchical structured hypercrosslinked polymer/expanded graphite composite. International Journal of Heat and Mass Transfer, 2020, 148, 119068.	2.5	34
36	Experimental study on a functional microencapsulated phase change material for thermal management. International Communications in Heat and Mass Transfer, 2020, 118, 104876.	2.9	23

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37	Preparation and thermo-physical properties of stable graphene/water nanofluids for thermal management. Journal of Molecular Liquids, 2020, 319, 114165.	2.3	16
38	A widely applicable strategy to convert fabrics into lithiophilic textile current collector for dendrite-free and high-rate capable lithium metal anode. Chemical Engineering Journal, 2020, 388, 124256.	6.6	27
39	Knitting aryl network polymers (KAPs)-embedded copper foam enables highly efficient thermal energy storage. Journal of Materials Chemistry A, 2020, 8, 15177-15186.	5.2	46
40	Research on parameter identification and state of charge estimation of improved equivalent circuit model of Liâ€ion battery based on temperature effects for battery thermal management. International Journal of Energy Research, 2020, 44, 11583-11596.	2.2	23
41	Numerical study on heat transfer enhancement of closed loop oscillating heat pipe through active incentive method. International Communications in Heat and Mass Transfer, 2020, 115, 104612.	2.9	13
42	Highly efficient Li-O2 batteries based on self-standing NiFeP@NC/BC cathode derived from biochar supported Prussian blue analogues. Journal of Electroanalytical Chemistry, 2020, 867, 114124.	1.9	12
43	Introducing optical fiber as internal light source into direct absorption solar collector for enhancing photo-thermal conversion performance of MWCNT-H2O nanofluids. Applied Thermal Engineering, 2020, 173, 115207.	3.0	41
44	An innovative battery thermal management with thermally induced flexible phase change material. Energy Conversion and Management, 2020, 221, 113145.	4.4	138
45	In-situ synthesis of Fe7S8 nanocrystals decorated on N, S-codoped carbon nanotubes as anode material for high-performance lithium-ion batteries. Journal of Colloid and Interface Science, 2020, 579, 699-706.	5.0	19
46	Recent advances of thermal safety of lithium ion battery for energy storage. Energy Storage Materials, 2020, 31, 195-220.	9.5	262
47	Fabrication of highly efficient thermal energy storage composite from waste polystyrenes. Chemical Engineering Science, 2020, 216, 115477.	1.9	21
48	Investigation on the effects of temperature equilibrium strategy in battery thermal management using phase change material. International Journal of Energy Research, 2020, 44, 7660-7673.	2.2	16
49	Photoâ€thermal conversion and heat storage characteristics of multiâ€walled carbon nanotubes dispersed magnetic phase change microcapsules slurry. International Journal of Energy Research, 2020, 44, 6873-6884.	2.2	17
50	Investigation on the cooling and temperature uniformity of power battery pack based on gradient phase change materials embedded thin heat sinks. Applied Thermal Engineering, 2020, 174, 115304.	3.0	36
51	Glycerol based binary solvent: Thermal properties study and its application in nanofluids. International Communications in Heat and Mass Transfer, 2020, 112, 104491.	2.9	21
52	Experimental Study on Heat Transfer Enhancement of Phase Change Material using Embedded Oscillating Heat Pipe for Thermal Energy Storage. ISIJ International, 2020, 60, 2157-2164.	0.6	0
53	Experimental investigation on thermal properties and thermal performance enhancement of octadecanol/expanded perlite form stable phase change materials for efficient thermal energy storage. Renewable Energy, 2019, 131, 911-922.	4.3	88
54	Preparation and Characterization of nâ€Nonadecane/CaCO₃ Microencapsulated Phase Change Material for Thermal Energy Storage. ChemistrySelect, 2019, 4, 8482-8492.	0.7	10

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55	High-capacitance supercapacitor based on nitrogen-doped porous carbons-sandwiched graphene hybrid frameworks. Ionics, 2019, 25, 6017-6023.	1.2	7
56	Experimental investigation on heat transfer characteristic of TiO2-H2O nanofluid in microchannel for thermal energy storage. Applied Thermal Engineering, 2019, 160, 114024.	3.0	24
57	Hierarchically porous carbon materials derived from MIL-88(Fe) for superior high-rate and long cycling-life sodium ions batteries. Journal of Electroanalytical Chemistry, 2019, 852, 113525.	1.9	7
58	Experimental study on the thermal performance of capric acid-myristyl alcohol/expanded perlite composite phase change materials for thermal energy storage. Solar Energy, 2019, 191, 585-595.	2.9	58
59	Thermal performance enhancement of an oscillating heat pipe with external expansion structure for thermal energy recovery and storage. Applied Thermal Engineering, 2019, 155, 667-675.	3.0	10
60	Investigation on thermal management performance of wedgeâ€shaped microchannels for rectangular Liâ€ion batteries. International Journal of Energy Research, 2019, 43, 3876-3890.	2.2	50
61	Thermal performance of battery thermal management system using composite matrix coupled with miniâ€channel. Energy Storage, 2019, 1, e59.	2.3	6
62	Properties and heat transfer mechanistic study of glycerol/choline chloride deep eutectic solvents based nanofluids. International Journal of Heat and Mass Transfer, 2019, 138, 690-698.	2.5	46
63	A novel shape-stabilization strategy for phase change thermal energy storage. Journal of Materials Chemistry A, 2019, 7, 8194-8203.	5.2	60
64	The investigations on the heat transfer in thermal energy storage with time-dependent heat flux for power plants. Energy, 2019, 175, 1209-1221.	4.5	8
65	Experimental investigation on thermal properties of sodium acetate trihydrate based phase change materials for thermal energy storage. Thermochimica Acta, 2019, 674, 28-35.	1.2	29
66	Novel Silica Filled Deep Eutectic Solvent Based Nanofluids for Energy Transportation. ACS Sustainable Chemistry and Engineering, 2019, 7, 20159-20169.	3.2	29
67	Employing a T-shirt template and variant of Schweizer's reagent for constructing a low-weight, flexible, hierarchically porous and textile-structured copper current collector for dendrite-suppressed Li metal. Journal of Materials Chemistry A, 2019, 7, 27066-27073.	5.2	7
68	Molecular dynamics simulations on the heat and mass transfer of hypercrosslinked shell structure of phase change nanocapsules as thermal energy storage materials. International Journal of Heat and Mass Transfer, 2019, 132, 362-374.	2.5	23
69	Thermal performance investigation of an oscillating heat pipe with external expansion structure used for thermal energy recovery and storage. International Journal of Heat and Mass Transfer, 2019, 132, 920-928.	2.5	17
70	Carbon electrode material from peanut shell by one-step synthesis for high performance supercapacitor. Journal of Materials Science: Materials in Electronics, 2019, 30, 914-925.	1.1	34
71	Numerical study on the effect of bi-polar plate geometry in the SOFC heating-up process. Journal of Renewable and Sustainable Energy, 2019, 11, .	0.8	10
72	The improved enthalpy-transforming based lattice Boltzmann model for solid-liquid phase change. International Journal of Heat and Mass Transfer, 2019, 133, 861-871.	2.5	21

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73	Experimental investigation on thermal performance of phase change material coupled with three-dimensional oscillating heat pipe (PCM/3D-OHP) for thermal management application. International Journal of Heat and Mass Transfer, 2019, 129, 773-782.	2.5	56
74	Investigation on the thermal performance of phase change material/porous medium-based battery thermal management in pore scale. International Journal of Energy Research, 2019, 43, 767-778.	2.2	38
75	Thermal diffusion and phase transition of n-octadecane as thermal energy storage material on nanoscale copper surface: A molecular dynamics study. Journal of the Energy Institute, 2019, 92, 161-176.	2.7	21
76	Experimental investigation on mini-channel cooling-based thermal management for Li-ion battery module under different cooling schemes. International Journal of Energy Research, 2018, 42, 2781-2788.	2.2	60
77	An experimental study on thermal management of lithium ion battery packs using an improved passive method. Applied Thermal Engineering, 2018, 134, 163-170.	3.0	70
78	The discrete unified gas kinetic scheme for solid-liquid phase change problem. International Communications in Heat and Mass Transfer, 2018, 91, 187-195.	2.9	16
79	Catalytic cracking of biomass pyrolysis tar over char-supported catalysts. Energy Conversion and Management, 2018, 167, 81-90.	4.4	202
80	Influence of chemical bonding on thermal contact resistance at silica interface: A molecular dynamics simulation. Computational Materials Science, 2018, 149, 316-323.	1.4	15
81	Experimental study on a novel form-stable phase change materials based on diatomite for solar energy storage. Solar Energy Materials and Solar Cells, 2018, 182, 52-60.	3.0	74
82	Proton conduction of fuel cell polymer membranes: Molecular dynamics simulation. Computational Materials Science, 2018, 142, 122-128.	1.4	29
83	Synthesis and Thermal Properties of Magnesium Sulfate Heptahydrate/Urea Resin as Thermal Energy Storage Micro-Encapsulated Phase Change Material. Journal of Heat Transfer, 2018, 140, .	1.2	10
84	The Lattice Boltzmann Investigation for the Melting Process of Phase Change Material in an Inclined Cavity. Journal of Heat Transfer, 2018, 140, .	1.2	6
85	Investigation of solid-liquid phase change in the spherical capsule using axisymmetric lattice Boltzmann model. International Journal of Heat and Mass Transfer, 2018, 119, 1-9.	2.5	15
86	Catalytic Cracking of Primary Tar Vapor from Biomass over High Ash-Containing Paper Sludge Ash. Energy & Fuels, 2018, 32, 12514-12522.	2.5	11
87	The Enthalpy-Transforming-Based Lattice Boltzmann Model for Solidâ€“Liquid Phase Change. Journal of Heat Transfer, 2018, 140, .	1.2	8
88	Innovative Applications of Advanced Solar Thermal Technologies Using Phase Change Materials. International Journal of Photoenergy, 2018, 2018, 1-2.	1.4	1
89	Experimental study on thermal properties and thermal performance of eutectic hydrated salts/expanded perlite form-stable phase change materials for passive solar energy utilization. Solar Energy Materials and Solar Cells, 2018, 188, 6-17.	3.0	63
90	Operational characteristics of oscillating heat pipe with long heat transport distance for solar energy application. Experimental Thermal and Fluid Science, 2018, 98, 137-145.	1.5	11

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91	Enhancement of heat transfer of microcapsulated particles using copper particles and copper foam. Particuology, 2018, 41, 85-93.	2.0	10
92	Thermal characteristic and analysis of closed loop oscillation heat pipe/phase change material (CLOHP/PCM) coupling module with different working media. International Journal of Heat and Mass Transfer, 2018, 126, 257-266.	2.5	24
93	Experimental investigation on thermal management performance of electric vehicle power battery using composite phase change material. Journal of Cleaner Production, 2018, 201, 916-924.	4.6	97
94	Effects of twisted tape structures on thermo-hydraulic performances of nanofluids in a triangular tube. International Journal of Heat and Mass Transfer, 2018, 127, 146-159.	2.5	34
95	Diffusion and thermal conductivity of the mixture of paraffin and polystyrene for thermal energy storage: A molecular dynamics study. Journal of the Energy Institute, 2017, 90, 534-543.	2.7	15
96	Challenges in various thermal energy storage technologies. Science Bulletin, 2017, 62, 231-233.	4.3	48
97	Preparation and characterization of sodium thiosulfate pentahydrate/silica microencapsulated phase change material for thermal energy storage. RSC Advances, 2017, 7, 7238-7249.	1.7	55
98	Experimental investigation on the thermal performance of three-dimensional oscillating heat pipe. International Journal of Heat and Mass Transfer, 2017, 109, 589-600.	2.5	34
99	The quasi-enthalpy based lattice Boltzmann model for solid-liquid phase change. Applied Thermal Engineering, 2017, 115, 1237-1244.	3.0	24
100	Proton mobility and thermal conductivities of fuel cell polymer membranes: Molecular dynamics simulation. Computational Materials Science, 2017, 132, 55-61.	1.4	43
101	Experimental investigation on the thermal performance of a closed oscillating heat pipe in thermal management. Heat and Mass Transfer, 2017, 53, 3059-3071.	1.2	16
102	Experiment investigation on thermal performance of a large-scale oscillating heat pipe with self-rewetting fluid used for thermal energy storage. International Journal of Heat and Mass Transfer, 2017, 108, 760-769.	2.5	29
103	The lattice Boltzmann investigation of natural convection for nanofluid based battery thermal management. Applied Thermal Engineering, 2017, 115, 659-669.	3.0	56
104	Investigation of phase change material based battery thermal management at cold temperature using lattice Boltzmann method. Energy Conversion and Management, 2017, 133, 204-215.	4.4	85
105	Lattice Boltzmann investigation of the solid-liquid phase change process in a cavity with protruding heater. International Journal of Thermal Sciences, 2017, 122, 292-301.	2.6	5
106	Experimental investigation on thermal performance of multi-layers three-dimensional oscillating heat pipes. International Journal of Heat and Mass Transfer, 2017, 115, 810-819.	2.5	32
107	Thermal performance of liquid cooling based thermal management system for cylindrical lithium-ion battery module with variable contact surface. Applied Thermal Engineering, 2017, 123, 1514-1522.	3.0	343
108	Experimental research on flow and heat transfer characteristics of latent functional thermal fluid with microencapsulated phase change materials. International Journal of Heat and Mass Transfer, 2017, 115, 737-742.	2.5	51

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109	Lattice Boltzmann investigation on phase change of nanoparticle-enhanced phase change material in a cavity with separate plate. Energy Conversion and Management, 2017, 154, 420-429.	4.4	33
110	Theoretical prediction of thermal transport in BC 2 N monolayer. Nano Energy, 2017, 38, 249-256.	8.2	44
111	Review on clay mineral-based form-stable phase change materials: Preparation, characterization and applications. Renewable and Sustainable Energy Reviews, 2017, 68, 707-726.	8.2	282
112	Two-phase lattice Boltzmann simulation of the effects of base fluid and nanoparticle size on natural convection heat transfer of nanofluid. International Journal of Heat and Mass Transfer, 2017, 105, 664-672.	2.5	93
113	Experimental study on the thermal performance of graphene and exfoliated graphite sheet for thermal energy storage phase change material. Thermochimica Acta, 2017, 647, 15-21.	1.2	104
114	Experimental study on the thermal management performance of phase change material coupled with heat pipe for cylindrical power battery pack. Experimental Thermal and Fluid Science, 2017, 82, 182-188.	1.5	209
115	Thermal conductivity enhancement of paraffin by adding boron nitride nanostructures: A molecular dynamics study. Applied Thermal Engineering, 2017, 110, 1411-1419.	3.0	61
116	Experimental study on the phase change and thermal properties of paraffin/carbon materials based thermal energy storage materials. Phase Transitions, 2017, 90, 717-731.	0.6	11
117	Numerical and Experimental Investigation Into the Effects of Nanoparticle Mass Fraction and Bubble Size on Boiling Heat Transfer of TiO2â€“Water Nanofluid. Journal of Heat Transfer, 2016, 138, .	1.2	21
118	Experiment study of oscillating heat pipe and phase change materials coupled for thermal energy storage and thermal management. International Journal of Heat and Mass Transfer, 2016, 99, 252-260.	2.5	79
119	Experiment study on the thermal properties of paraffin/kaolin thermal energy storage form-stable phase change materials. Applied Energy, 2016, 182, 475-487.	5.1	162
120	Thermal performance of lithium-ion battery thermal management system by using mini-channel cooling. Energy Conversion and Management, 2016, 126, 622-631.	4.4	409
121	Composites Enhance Heat Transfer in Paraffin/Melamine Resin Microencapsulated Phase Change Materials. Energy Technology, 2016, 4, 496-501.	1.8	24
122	Self-diffusion of lignite/water under different temperatures and pressure: A molecular dynamics study. Modern Physics Letters B, 2016, 30, 1550253.	1.0	3
123	Study on the flow and heat transfer of liquid metal based nanofluid with different nanoparticle radiuses using two-phase lattice Boltzmann method. International Journal of Heat and Mass Transfer, 2016, 94, 316-326.	2.5	83
124	Numerical study on solidâ€“liquid phase change in paraffin as phase change material for battery thermal management. Science Bulletin, 2016, 61, 391-400.	4.3	33
125	Thermal performance of phase change material/oscillating heat pipe-based battery thermal management system. International Journal of Thermal Sciences, 2016, 102, 9-16.	2.6	159
126	Investigation of the thermal performance of phase change material/mini-channel coupled battery thermal management system. Applied Energy, 2016, 164, 659-669.	5.1	297

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127	Experimental investigation on thermal performance of phase change material coupled with closed-loop oscillating heat pipe (PCM/CLOHP) used in thermal management. Applied Thermal Engineering, 2016, 93, 90-100.	3.0	91
128	Experimental investigation of battery thermal management system for electric vehicle based on paraffin/copper foam. Journal of the Energy Institute, 2015, 88, 241-246.	2.7	140
129	Enhanced photo-H2 production by unsaturated flow condition in continuous culture. Biotechnology Letters, 2015, 37, 359-366.	1.1	7
130	Review on nanoencapsulated phase change materials: Preparation, characterization and heat transfer enhancement. Nano Energy, 2015, 13, 814-826.	8.2	358
131	Thermal performance of mini-channel liquid cooled cylinder based battery thermal management for cylindrical lithium-ion power battery. Energy Conversion and Management, 2015, 103, 157-165.	4.4	356
132	Thermal management of cylindrical power battery module forÂextending the life of new energy electric vehicles. Applied Thermal Engineering, 2015, 85, 33-43.	3.0	217
133	Lattice Boltzmann simulation for solidâ€“liquid phase change phenomenon of phase change material under constant heat flux. International Journal of Heat and Mass Transfer, 2015, 86, 197-206.	2.5	61
134	Thermal conductivity prediction of copper hollow nanowire. International Journal of Thermal Sciences, 2015, 94, 90-95.	2.6	17
135	The numerical investigation of nanofluid based cylinder battery thermal management using lattice Boltzmann method. International Journal of Heat and Mass Transfer, 2015, 91, 374-384.	2.5	120
136	Investigation of power battery thermal management by using mini-channel cold plate. Energy Conversion and Management, 2015, 89, 387-395.	4.4	488
137	Recent developments in drying and dewatering for low rank coals. Progress in Energy and Combustion Science, 2015, 46, 1-11.	15.8	214
138	Molecular dynamics simulation of the molar volumes and solubility parameters of straight alkanes. Modern Physics Letters B, 2014, 28, 1450240.	1.0	3
139	Numerical investigation of vaporâ€“liquid heat and mass transfer in porous media. Energy Conversion and Management, 2014, 78, 1-7.	4.4	56
140	Dissipative particle dynamics and experimental study of alkane-based nanoencapsulated phase change material for thermal energy storage. RSC Advances, 2014, 4, 20797-20803.	1.7	18
141	Dissipative particle dynamics study of nano-encapsulated thermal energy storage phase change material. RSC Advances, 2014, 4, 39552-39557.	1.7	18
142	Experimental Study on Herb Residue Gasification in an Air-Blown Circulating Fluidized Bed Gasifier. Industrial & Engineering Chemistry Research, 2014, 53, 13264-13273.	1.8	59
143	Experimental study of an OHP-cooled thermal management system for electric vehicle power battery. Experimental Thermal and Fluid Science, 2014, 57, 20-26.	1.5	127
144	Molecular dynamics simulations of nano-encapsulated and nanoparticle-enhanced thermal energy storage phase change materials. International Journal of Heat and Mass Transfer, 2013, 66, 575-584.	2.5	79

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145	Experimental investigation on thermal management of electric vehicle battery with heat pipe. Energy Conversion and Management, 2013, 65, 92-97.	4.4	386
146	Molecular dynamics simulations of phase transition ofn-nonadecane under high pressure. Phase Transitions, 2012, 85, 400-408.	0.6	18
147	Molecular dynamics simulations of melting behavior of alkane as phase change materials slurry. Energy Conversion and Management, 2012, 64, 152-156.	4.4	27
148	Self diffusion of the nano-encapsulated phase change materials: A molecular dynamics study. Applied Energy, 2012, 100, 303-308.	5.1	50
149	Dissipative particle dynamics investigation of microencapsulated thermal energy storage phase change materials. Energy, 2012, 44, 805-812.	4.5	26
150	Energy saving latent heat storage and environmental friendly humidity-controlled materials for indoor climate. Renewable and Sustainable Energy Reviews, 2012, 16, 3136-3145.	8.2	79
151	Phase Change Materials Coupled with Copper Foam for Thermal Management of Lithium-Ion Battery. Advanced Science, Engineering and Medicine, 2012, 4, 484-487.	0.3	4
152	A review of power battery thermal energy management. Renewable and Sustainable Energy Reviews, 2011, 15, 4554-4571.	8.2	858
153	Simulation and experiment of thermal energy management with phase change material for ageing LiFePO4 power battery. Energy Conversion and Management, 2011, 52, 3408-3414.	4.4	239
154	Experimental study on ethylene glycol/choline chloride deep eutectic solvent system based nanofluids. Heat and Mass Transfer, 0, , 1.	1.2	3
155	A Thermostatâ€Consistent Fully Coupled Molecular Dynamicsâ€“Generalized Fluctuating Hydrodynamics Model for Nonâ€Equilibrium Flows. Advanced Theory and Simulations, 0, , 2100360.	1.3	0