Bidyut Baran Saha

List of Publications by Year
in descending order

300 papers	13,145 citations	18436 62 h-index	40881 93 g-index
315 all docs	315 docs citations	315 times ranked	5189 citing authors

#	Article	IF	Citations
1	Experimental investigation of the silica gelâ€“water adsorption isotherm characteristics. Applied Thermal Engineering, 2001, 21, 1631-1642.	3.0	289
2	An overview of developments in adsorption refrigeration systems towards a sustainable way of cooling. Applied Energy, 2013, 104, 554-567.	5.1	258
3	Theoretical framework to evaluate minimum desorption temperature for IUPAC classified adsorption isotherms. International Journal of Heat and Mass Transfer, 2018, 122, 795-805.	2.5	241
4	Modeling the performance of two-bed, sillica gel-water adsorption chillers. International Journal of Refrigeration, 1999, 22, 194-204.	1.8	232
5	Solar/waste heat driven two-stage adsorption chiller: the prototype. Renewable Energy, 2001, 23, 93-101.	4.3	222
6	Waste heat driven dual-mode, multi-stage, multi-bed regenerative adsorption system. International Journal of Refrigeration, 2003, 26, 749-757.	1.8	210
7	An overview of solid desiccant dehumidification and air conditioning systems. Renewable and Sustainable Energy Reviews, 2015, 46, 16-29.	8.2	196
8	A new generation cooling device employing CaCl2-in-silica gelâ€“water system. International Journal of Heat and Mass Transfer, 2009, 52, 516-524.	2.5	178
9	Comprehensive study on nanofluid and ionanofluid for heat transfer enhancement: A review on current and future perspective. Journal of Molecular Liquids, 2020, 305, 112787.	2.3	173
10	Multi effect desalination and adsorption desalination (MEDAD): AÂhybrid desalination method. Applied Thermal Engineering, 2014, 72, 289-297.	3.0	165
11	Computational analysis of an advanced adsorption-refrigeration cycle. Energy, 1995, 20, 983-994.	4.5	161
12	Study on a waste heat-driven adsorption cooling cum desalination cycle. International Journal of Refrigeration, 2012, 35, 685-693.	1.8	151
13	Performance evaluation of a low-temperature waste heat driven multi-bed adsorption chiller. International Journal of Multiphase Flow, 2003, 29, 1249-1263.	1.6	147
14	Operational strategy of adsorption desalination systems. International Journal of Heat and Mass Transfer, 2009, 52, 1811-1816.	2.5	139
15	Carbon Dioxide Adsorption Isotherms on Activated Carbons. Journal of Chemical & Engineering Data, 2011, 56, 1974-1981.	1.0	134
16	Thermal analysis during turning of AZ31 magnesium alloy under dry and cryogenic conditions. International Journal of Advanced Manufacturing Technology, 2017, 91, 2855-2868.	1.5	127
17	Experimental investigation of activated carbon fibers/ethanol pairs for adsorption cooling system application. Applied Thermal Engineering, 2006, 26, 859-865.	3.0	126
18	Experimental investigation on activated carbonâ€“ethanol pair for solar powered adsorption cooling applications. International Journal of Refrigeration, 2008, 31, 1407-1413.	1.8	126

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19	Study on an activated carbon fiberâ€“ethanol adsorption chiller: Part I â€“ system description and modelling. International Journal of Refrigeration, 2007, 30, 86-95.	1.8	124
20	An overview on adsorption pairs for cooling. Renewable and Sustainable Energy Reviews, 2013, 19, 565-572.	8.2	124
21	On the thermodynamic modeling of the isosteric heat of adsorption and comparison with experiments. Applied Physics Letters, 2006, 89, 171901.	1.5	118
22	Enrichment, sources and ecological risk mapping of heavy metals in agricultural soils of dhaka district employing SOM, PMF and GIS methods. Chemosphere, 2021, 263, 128339.	4.2	115
23	Adsorption characteristics of AQSOA zeolites and water for adsorption chillers. International Journal of Heat and Mass Transfer, 2016, 92, 1120-1127.	2.5	113
24	A review on adsorbent-adsorbate pairs for cooling applications. Applied Thermal Engineering, 2017, 114, 394-414.	3.0	113
25	A new cycle time allocation for enhancing the performance of two-bed adsorption chillers. International Journal of Refrigeration, 2009, 32, 846-853.	1.8	112
26	Heat exchanger design effect on the system performance of silica gel adsorption refrigeration systems. International Journal of Heat and Mass Transfer, 2000, 43, 4419-4431.	2.5	110
27	Metal-organic frameworks for energy conversion and water harvesting: A bridge between thermal engineering and material science. Nano Energy, 2021, 84, 105946.	8.2	110
28	Solar-assisted dual-effect adsorption cycle for the production of cooling effect and potable water. International Journal of Low-Carbon Technologies, 2009, 4, 61-67.	1.2	106
29	Study on an advanced adsorption desalination cycle with evaporatorâ€“condenser heat recovery circuit. International Journal of Heat and Mass Transfer, 2011, 54, 43-51.	2.5	104
30	A Statistical Approach to Determine Optimal Models for IUPAC-Classified Adsorption Isotherms. Energies, 2019, 12, 4565.	1.6	104
31	Multi-bed regenerative adsorption chillerÂâ€” improving the utilization of waste heat and reducing the chilled water outlet temperature fluctuation. International Journal of Refrigeration, 2001, 24, 124-136.	1.8	100
32	Thermo-physical properties of silica gel for adsorption desalination cycle. Applied Thermal Engineering, 2013, 50, 1596-1602.	3.0	97
33	Numerical simulation and performance investigation of an advanced adsorption desalination cycle. Desalination, 2013, 308, 209-218.	4.0	94
34	Dynamic links among the demographic dividend, digitalization, energy intensity and sustainable economic growth: Empirical evidence from emerging economies. Journal of Cleaner Production, 2022, 330, 129858.	4.6	94
35	Potential application of solar powered adsorption cooling systems in the Middle East. Applied Energy, 2014, 126, 235-245.	5.1	92
36	Study on adsorption of methanol onto carbon based adsorbents. International Journal of Refrigeration, 2009, 32, 1579-1586.	1.8	91

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37	Equilibrium and kinetics of CO2 adsorption onto activated carbon. International Journal of Heat and Mass Transfer, 2017, 108, 1941-1946.	2.5	90
38	Adsorption cooling driven by solar collector: A case study for Tokyo solar data. Applied Thermal Engineering, 2013, 50, 1603-1609.	3.0	89
39	Adsorption of ethanol onto parent and surface treated activated carbon powders. International Journal of Heat and Mass Transfer, 2014, 73, 445-455.	2.5	89
40	The role of environmental taxes on technological innovation. Energy, 2021, 232, 121052.	4.5	88
41	Performance analysis of a low-temperature waste heat-driven adsorption desalination prototype. International Journal of Heat and Mass Transfer, 2013, 65, 662-669.	2.5	85
42	A study on consolidated composite adsorbents for cooling application. Applied Thermal Engineering, 2016, 98, 1214-1220.	3.0	85
43	Study on biomass derived activated carbons for adsorptive heat pump application. International Journal of Heat and Mass Transfer, 2017, 110, 7-19.	2.5	85
44	Experimental study on performance improvement of a four-bed adsorption chiller by using heat and mass recovery. International Journal of Heat and Mass Transfer, 2006, 49, 3343-3348.	2.5	82
45	Review on fermentative biohydrogen production from water hyacinth, wheat straw and rice straw with focus on recent perspectives. International Journal of Hydrogen Energy, 2017, 42, 20955-20969.	3.8	79
46	Theoretical Insight of Physical Adsorption for a Single-Component Adsorbent + Adsorbate System: I. Thermodynamic Property Surfaces. Langmuir, 2009, 25, 2204-2211.	1.6	78
47	Adsorption of ethanol onto phenol resin based adsorbents for developing next generation cooling systems. International Journal of Heat and Mass Transfer, 2015, 81, 171-178.	2.5	78
48	Silica gel water advanced adsorption refrigeration cycle. Energy, 1997, 22, 437-447.	4.5	77
49	Study of thermoelectric and photovoltaic facade system for energy efficient building development: A review. Journal of Cleaner Production, 2019, 209, 1376-1395.	4.6	76
50	Improved Isotherm Data for Adsorption of Methane on Activated Carbons. Journal of Chemical & Engineering Data, 2010, 55, 2840-2847.	1.0	75
51	Ethanol adsorption onto metal organic framework: Theory and experiments. Energy, 2015, 79, 363-370.	4.5	74
52	Isotherms and thermodynamics for the adsorption of n-butane on pitch based activated carbon. International Journal of Heat and Mass Transfer, 2008, 51, 1582-1589.	2.5	73
53	Evaluation of processes controlling the geochemical constituents in deep groundwater in Bangladesh: Spatial variability on arsenic and boron enrichment. Journal of Hazardous Materials, 2010, 180, 50-62.	6.5	73
54	Towards an optimal performance of adsorption chillers: Reallocation of adsorption/desorption cycle times. International Journal of Heat and Mass Transfer, 2013, 63, 171-182.	2.5	73

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55	Study on an activated carbon fiberâ€“ethanol adsorption chiller: Part II â€“ performance evaluation. International Journal of Refrigeration, 2007, 30, 96-102.	1.8	72
56	Adsorption characteristics and heat of adsorption measurements of R-134a on activated carbon. International Journal of Refrigeration, 2009, 32, 1563-1569.	1.8	72
57	Thermodynamic modelling of a solid state thermoelectric cooling device: Temperatureâ€“entropy analysis. International Journal of Heat and Mass Transfer, 2006, 49, 3547-3554.	2.5	70
58	Experimental investigation of CO2 adsorption onto a carbon based consolidated composite adsorbent for adsorption cooling application. Applied Thermal Engineering, 2016, 109, 304-311.	3.0	69
59	Performance evaluation of a solar adsorption chiller under different climatic conditions. Applied Energy, 2016, 175, 293-304.	5.1	68
60	Recent updates on the adsorption capacities of adsorbent-adsorbate pairs for heat transformation applications. Renewable and Sustainable Energy Reviews, 2020, 119, 109630.	8.2	68
61	On thermodynamics of methane+carbonaceous materials adsorption. International Journal of Heat and Mass Transfer, 2012, 55, 565-573.	2.5	66
62	Water vapor sorption kinetics of polymer based sorbents: Theory and experiments. Applied Thermal Engineering, 2016, 106, 192-202.	3.0	66
63	A study on the kinetics of ethanol-activated carbon fiber: Theory and experiments. International Journal of Heat and Mass Transfer, 2006, 49, 3104-3110.	2.5	65
64	Study on a dual-mode, multi-stage, multi-bed regenerative adsorption chiller. Renewable Energy, 2006, 31, 2076-2090.	4.3	65
65	Adsorption characteristics of ethanol onto functional activated carbons with controlled oxygen content. Applied Thermal Engineering, 2014, 72, 211-218.	3.0	64
66	Performance investigation of a waste heat-driven 3-bed 2-evaporator adsorption cycle for cooling and desalination. International Journal of Heat and Mass Transfer, 2016, 101, 1111-1122.	2.5	64
67	Modeling and simulation of an activated carbonâ€“CO2 four bed based adsorption cooling system. Energy Conversion and Management, 2014, 78, 985-991.	4.4	63
68	Steady-state investigation of water vapor adsorption for thermally driven adsorption based greenhouse air-conditioning system. Renewable Energy, 2016, 86, 785-795.	4.3	63
69	Effect of improving thermal conductivity of the adsorbent on performance of adsorption cooling system. Applied Thermal Engineering, 2017, 110, 695-702.	3.0	63
70	Graphene enhanced thermoelectric properties of cement based composites for building energy harvesting. Energy and Buildings, 2019, 202, 109419.	3.1	63
71	How Heat and Mass Recovery Strategies Impact the Performance of Adsorption Desalination Plant: Theory and Experiments. Heat Transfer Engineering, 2007, 28, 147-153.	1.2	62
72	Evaluation of Adsorption Parameters and Heats of Adsorption through Desorption Measurements. Journal of Chemical & Engineering Data, 2007, 52, 2419-2424.	1.0	62

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73	Activated carbon and graphene nanoplatelets based novel composite for performance enhancement of adsorption cooling cycle. Energy Conversion and Management, 2019, 180, 134-148.	4.4	62
74	Evaluation of minimum desorption temperatures of thermal compressors in adsorption refrigeration cycles. International Journal of Refrigeration, 2006, 29, 1175-1181.	1.8	60
75	Study on solar/waste heat driven multi-bed adsorption chiller with mass recovery. Renewable Energy, 2007, 32, 365-381.	4.3	60
76	Study of a thermoelectric air duct system assisted by photovoltaic wall for space cooling in tropical climate. Energy, 2017, 119, 504-522.	4.5	60
77	Specific heat capacities of carbon-based adsorbents for adsorption heat pump application. Applied Thermal Engineering, 2018, 129, 117-126.	3.0	60
78	Fundamental and application aspects of adsorption cooling and desalination. Applied Thermal Engineering, 2016, 97, 68-76.	3.0	59
79	Performance investigation on a 4-bed adsorption desalination cycle with internal heat recovery scheme. Desalination, 2017, 402, 88-96.	4.0	59
80	Performance evaluation of combined adsorption refrigeration cycles. International Journal of Refrigeration, 2011, 34, 129-137.	1.8	55
81	Experimental Adsorption Isotherm of Methane onto Activated Carbon at Sub- and Supercritical Temperatures. Journal of Chemical & Engineering Data, 2010, 55, 4961-4967.	1.0	54
82	Study on activated carbon/HFO-1234ze(E) based adsorption cooling cycle. Applied Thermal Engineering, 2013, 50, 1570-1575.	3.0	54
83	Adsorption Thermodynamics of Silica Gelâ^'Water Systems. Journal of Chemical & Engineering Data, 2009, 54, 448-452.	1.0	53
84	Accurate adsorption isotherms of R134a onto activated carbons for cooling and freezing applications. International Journal of Refrigeration, 2012, 35, 499-505.	1.8	53
85	Ionic liquid as a new binder for activated carbon based consolidated composite adsorbents. Chemical Engineering Journal, 2017, 326, 980-986.	6.6	53
86	Study on the influence of adsorbent particle size and heat exchanger aspect ratio on dynamic adsorption characteristics. Applied Thermal Engineering, 2018, 133, 764-773.	3.0	53
87	A benchmark for CO2 uptake onto newly synthesized biomass-derived activated carbons. Applied Energy, 2020, 264, 114720.	5.1	53
88	Synthesis and characterization of silica gel composite with polymer binders for adsorption cooling applications. International Journal of Refrigeration, 2019, 98, 161-170.	1.8	51
89	Thermodynamic formalism of minimum heat source temperature for driving advanced adsorption cooling device. Applied Physics Letters, 2007, 91, 111902.	1.5	50
90	Improvement of the chemical synthesis efficiency of nano-scale zero-valent iron particles. Journal of Environmental Chemical Engineering, 2018, 6, 4727-4735.	3.3	50

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91	Study on adsorption refrigeration cycle utilizing activated carbon fibers. Part 1. Adsorption characteristics. International Journal of Refrigeration, 2006, 29, 305-314.	1.8	48
92	Specific heat capacity of a single component adsorbent-adsorbate system. Applied Physics Letters, 2007, 90, 171902.	1.5	48
93	Study on a re-heat two-stage adsorption chiller â€“ The influence of thermal capacitance ratio, overall thermal conductance ratio and adsorbent mass on system performance. Applied Thermal Engineering, 2007, 27, 1677-1685.	3.0	48
94	Performance evaluation of multi-stage, multi-bed adsorption chiller employing re-heat scheme. Renewable Energy, 2008, 33, 88-98.	4.3	48
95	Adsorption cooling cycles for alternative adsorbent/adsorbate pairs working at partial vacuum and pressurized conditions. Applied Thermal Engineering, 2009, 29, 793-798.	3.0	48
96	Thermal enhancement of charge and discharge cycles for adsorbed natural gas storage. Applied Thermal Engineering, 2011, 31, 1630-1639.	3.0	48
97	Performance analysis of a thermoelectric air duct system for energy-efficient buildings. Energy, 2015, 91, 1009-1017.	4.5	48
98	Adsorption cooling system employing granular activated carbonâ€“R134a pair for renewable energy applications. International Journal of Refrigeration, 2013, 36, 1037-1044.	1.8	47
99	Sizing and life-cycle assessment of building integrated thermoelectric air cooling and photovoltaic wall system. Applied Thermal Engineering, 2019, 154, 302-314.	3.0	47
100	Waste Heat Driven Multi-Bed Adsorption Chiller: Heat Exchangers Overall Thermal Conductance on Chiller Performance. Heat Transfer Engineering, 2006, 27, 80-87.	1.2	46
101	Experimental study on adsorption kinetics of activated carbon/R134a and activated carbon/R507A pairs. International Journal of Refrigeration, 2010, 33, 706-713.	1.8	46
102	Life-cycle cost analysis of adsorption cycles for desalination. Desalination and Water Treatment, 2010, 20, 1-10.	1.0	46
103	Study of various adsorbentâ€“refrigerant pairs for the application of solar driven adsorption cooling in tropical climates. Applied Thermal Engineering, 2014, 72, 266-274.	3.0	46
104	Performance evaluation and determination of minimum desorption temperature of a two-stage air cooled silica gel/water adsorption system. Applied Energy, 2017, 206, 507-518.	5.1	46
105	Performance of nanoscale zero-valent iron in nitrate reduction from water using a laboratory-scale continuous-flow system. Chemosphere, 2018, 197, 502-512.	4.2	46
106	Study on a solar heat driven dual-mode adsorption chiller. Energy, 2013, 63, 133-141.	4.5	45
107	Insights of water vapor sorption onto polymer based sorbents. Adsorption, 2015, 21, 205-215.	1.4	45
108	Effect of Cryogenic Cooling on the Heat Transfer during Turning of AZ31C Magnesium Alloy. Heat Transfer Engineering, 2019, 40, 1023-1032.	1.2	45

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109	Dynamic behaviors of adsorption chiller: Effects of the silica gel grain size and layers. Energy, 2014, 78, 304-312.	4.5	44
110	Thermodynamic analysis on the part-load performance of a microturbine system for micro/mini-CHP applications. Applied Energy, 2016, 178, 600-608.	5.1	44
111	Ethanol adsorption uptake and kinetics onto waste palm trunk and mangrove based activated carbons. Applied Thermal Engineering, 2017, 122, 389-397.	3.0	44
112	Modeling study of two-stage, multi-bed air cooled silica gel + water adsorption cooling cum desalination system. Applied Thermal Engineering, 2017, 114, 704-712.	3.0	43
113	Assessment of total equivalent warming impact (TEWI) of supermarket refrigeration systems. International Journal of Hydrogen Energy, 2017, 42, 26973-26983.	3.8	43
114	CO2 adsorption onto activated carbonâ€“graphene composite for cooling applications. International Journal of Refrigeration, 2019, 106, 558-569.	1.8	43
115	Adsorption Rate of Ethanol on Activated Carbon Fiber. Journal of Chemical & Engineering Data, 2006, 51, 1587-1592.	1.0	42
116	Theoretical insight of adsorption cooling. Applied Physics Letters, 2011, 98, .	1.5	42
117	Adsorption characteristics of methane on Maxsorb III by gravimetric method. Applied Thermal Engineering, 2014, 72, 200-205.	3.0	42
118	Thermal performance study of a multi-pass solar air heating collector system for drying of Roselle (Hibiscus sabdariffa). Renewable Energy, 2017, 113, 281-292.	4.3	42
119	The performance analysis of a novel dual evaporator type three-bed adsorption chiller. International Journal of Refrigeration, 2010, 33, 276-285.	1.8	41
120	A method for the calculation of the adsorbed phase volume and pseudo-saturation pressure from adsorption isotherm data on activated carbon. Physical Chemistry Chemical Physics, 2011, 13, 12559.	1.3	41
121	Thermal comfort study of a building equipped with thermoelectric air duct system for tropical climate. Applied Thermal Engineering, 2015, 91, 1141-1155.	3.0	41
122	Zeolite-graphene composite adsorbents for next generation adsorption heat pumps. Microporous and Mesoporous Materials, 2021, 313, 110839.	2.2	41
123	Entropy generation analysis of two-bed, silica gel-water, non-regenerative adsorption chillers. Journal Physics D: Applied Physics, 1998, 31, 1471-1477.	1.3	40
124	Enhanced figure of merit of cement composites with graphene and ZnO nanoinclusions for efficient energy harvesting in buildings. Energy, 2020, 198, 117396.	4.5	40
125	Achieving a Carbon Neutral Future through Advanced Functional Materials and Technologies. Bulletin of the Chemical Society of Japan, 2022, 95, 73-103.	2.0	39
126	Adsorption Desalination Quenches Global Thirst. Heat Transfer Engineering, 2008, 29, 845-848.	1.2	38

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127	Adsorption isotherms and kinetics of activated carbon/Difluoroethane adsorption pair: Theory and experiments. International Journal of Refrigeration, 2016, 70, 196-205.	1.8	38
128	Physicochemical parameters interpretation for adsorption equilibrium of ethanol on metal organic framework: Application of the multilayer model with saturation. Journal of Molecular Liquids, 2017, 233, 537-542.	2.3	38
129	Groundwater contamination with arsenic in Sherajdikhan, Bangladesh: geochemical and hydrological implications. Environmental Geology, 2009, 58, 73-84.	1.2	37
130	Emerging sorption pairs for heat pump applications: an overview. JMST Advances, 2019, 1, 161-180.	0.6	37
131	Activated carbon-graphene nanoplatelets based green cooling system: Adsorption kinetics, heat of adsorption, and thermodynamic performance. Energy, 2020, 193, 116774.	4.5	37
132	The effect of remittance on energy consumption: Panel cointegration and dynamic causality analysis for South Asian countries. Energy, 2021, 220, 119684.	4.5	37
133	Performance of a solar adsorption cooling and desalination system using aluminum fumarate and silica gel. Applied Thermal Engineering, 2021, 194, 117116.	3.0	37
134	Hybrid adsorption cooling systemsâ€“An overview. Renewable and Sustainable Energy Reviews, 2012, 16, 5787-5801.	8.2	36
135	The role of activated carbon fiber in adsorption cooling cycles. Renewable and Sustainable Energy Reviews, 2011, 15, 1708-1721.	8.2	35
136	Experimental study on thermophysical and porous properties of silica gels. International Journal of Refrigeration, 2020, 110, 277-285.	1.8	35
137	Adsorption isotherms and kinetics of HFC410A onto activated carbons. Applied Thermal Engineering, 2014, 72, 237-243.	3.0	34
138	Adsorption Isotherms and Heat of Adsorption of Difluoromethane on Activated Carbons. Journal of Chemical & Engineering Data, 2013, 58, 2828-2834.	1.0	33
139	INFLUENCE OF DESIGN AND OPERATING CONDITIONS ON THE SYSTEM PERFORMANCE OF A TWO-STAGE ADSORPTION CHILLER. Chemical Engineering Communications, 2004, 191, 981-997.	1.5	32
140	Modelling and optimization of thermophysical properties of aqueous titania nanofluid using response surface methodology. Journal of Thermal Analysis and Calorimetry, 2020, 139, 3051-3063.	2.0	32
141	Theoretical Insight of Physical Adsorption for a Single Component Adsorbent + Adsorbate System: II. The Henry Region. Langmuir, 2009, 25, 7359-7367.	1.6	31
142	Study on solar driven combined adsorption refrigeration cycles in tropical climate. Applied Thermal Engineering, 2013, 50, 1582-1589.	3.0	31
143	Improved model for the isosteric heat of adsorption and impacts on the performance of heat pump cycles. Applied Thermal Engineering, 2018, 143, 688-700.	3.0	31
144	Experimental investigation of the specific heat capacity of parent materials and composite adsorbents for adsorption heat pumps. Applied Thermal Engineering, 2020, 164, 114431.	3.0	31

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145	Silica gel-MIL 100(Fe) composite adsorbents for ultra-low heat-driven atmospheric water harvester. Energy, 2022, 238, 121741.	4.5	31
146	A novel approach to determine optimum switching frequency of a conventional adsorption chiller. Energy, 2003, 28, 1021-1037.	4.5	30
147	Experimental and theoretical study of adsorption kinetics of Difluoromethane onto activated carbons. International Journal of Refrigeration, 2015, 49, 160-168.	1.8	30
148	Novel technique for improving the water adsorption isotherms of metal-organic frameworks for performance enhancement of adsorption driven chillers. Inorganica Chimica Acta, 2020, 501, 119313.	1.2	30
149	Towards an accurate estimation of the isosteric heat of adsorption â€“ A correlation with the potential theory. Journal of Colloid and Interface Science, 2017, 490, 59-63.	5.0	29
150	Adsorption characteristics and thermodynamic property fields of polymerized ionic liquid and polyvinyl alcohol based composite/CO2 pairs. Journal of Molecular Liquids, 2019, 294, 111555.	2.3	29
151	Study on optimized adsorption chiller employing various heat and mass recovery schemes. International Journal of Refrigeration, 2021, 126, 222-237.	1.8	29
152	Performance Comparison of Three-Bed Adsorption Cooling System With Optimal Cycle Time Setting. Heat Transfer Engineering, 2013, 34, 938-947.	1.2	28
153	CFD simulation and experimental validation of ethanol adsorption onto activated carbon packed heat exchanger. International Journal of Refrigeration, 2017, 74, 345-353.	1.8	28
154	Adsorption isotherms, kinetics and thermodynamic simulation of CO2-CSAC pair for cooling application. Energy, 2018, 160, 1158-1173.	4.5	28
155	Characterization of silica gel-based composites for adsorption cooling applications. International Journal of Refrigeration, 2020, 118, 345-353.	1.8	28
156	Thermodynamic analysis of promising biomass-derived activated carbons/CO2 based adsorption cooling systems. Journal of CO2 Utilization, 2021, 46, 101457.	3.3	28
157	Recent advances of composite adsorbents for heat transformation applications. Thermal Science and Engineering Progress, 2021, 23, 100900.	1.3	28
158	Thermodynamic analysis of absorption chillers: internal dissipation and process average temperature. Applied Thermal Engineering, 1998, 18, 671-682.	3.0	27
159	Isosteric heats of adsorption extracted from experiments of ethanol and HFC 134a on carbon based adsorbents. International Journal of Heat and Mass Transfer, 2007, 50, 902-907.	2.5	27
160	Thermoelectric figure of merit enhancement in cement composites with graphene and transition metal oxides. Materials Today Energy, 2020, 18, 100492.	2.5	27
161	Experimental investigation of a mechanical vapour compression chiller at elevated chilled water temperatures. Applied Thermal Engineering, 2017, 123, 226-233.	3.0	26
162	Modeling and Simulation of Mass Recovery Process in Adsorption System for Cooling and Desalination. Energy Procedia, 2017, 105, 2004-2009.	1.8	26

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163	On surface energy and acidâ€“base properties of highly porous parent and surface treated activated carbons using inverse gas chromatography. Journal of Industrial and Engineering Chemistry, 2019, 69, 432-443.	2.9	26
164	Experimental investigation and optimization of pool boiling heat transfer enhancement over graphene-coated copper surface. Journal of Thermal Analysis and Calorimetry, 2020, 140, 1393-1411.	2.0	26
165	Energy efficient green synthesized MOF-801 for adsorption cooling applications. Journal of Molecular Liquids, 2022, 345, 117760.	2.3	26
166	Study on Optimum IUPAC Adsorption Isotherm Models Employing Sensitivity of Parameters for Rigorous Adsorption System Performance Evaluation. Energies, 2021, 14, 7478.	1.6	26
167	The mediating effect of energy poverty on child development: Empirical evidence from energy poor countries. Energy, 2022, 243, 123093.	4.5	26
168	Study on adsorption refrigeration cycle utilizing activated carbon fibers. Part 2. Cycle performance evaluation. International Journal of Refrigeration, 2006, 29, 315-327.	1.8	25
169	Groundwater flow system in Bengal Delta, Bangladesh revealed by environmental isotopes. Environmental Earth Sciences, 2011, 64, 1343-1352.	1.3	25
170	Entropy generation minimization: A practical approach for performance evaluation of temperature cascaded co-generation plants. Energy, 2012, 46, 493-521.	4.5	25
171	Thermodynamic property surfaces for various adsorbent/adsorbate pairs for cooling applications. International Journal of Heat and Mass Transfer, 2019, 144, 118579.	2.5	25
172	Adsorption of Equal Mass Fraction Near an Azeotropic Mixture of Pentafluoroethane and 1,1,1-Trifluoroethane on Activated Carbon. Journal of Chemical & Engineering Data, 2008, 53, 1872-1876.	1.0	24
173	Adsorption thermodynamics and performance indicators of selective adsorbent/refrigerant pairs. Applied Thermal Engineering, 2020, 175, 115361.	3.0	24
174	The role of internal dissipation and process average temperature in chiller performance and diagnostics. Journal of Applied Physics, 1998, 83, 1831-1836.	1.1	23
175	Derivation of isosteric heat of adsorption for non-ideal gases. International Journal of Heat and Mass Transfer, 2015, 89, 186-192.	2.5	23
176	Thermodynamic feasibility evaluation of hybrid dehumidification â€“ mechanical vapour compression systems. Applied Energy, 2018, 213, 31-44.	5.1	23
177	A new adsorbent bed design: Optimization of geometric parameters and metal additive for the performance improvement. Applied Thermal Engineering, 2019, 162, 114270.	3.0	23
178	Cooling performance analysis of nanofluid assisted novel photovoltaic thermoelectric air conditioner for energy efficient buildings. Applied Thermal Engineering, 2022, 213, 118691.	3.0	23
179	Development of a slug flow absorber working with ammoniaâ€“water mixture: part IIâ€”data reduction model for local heat and mass transfer characterization. International Journal of Refrigeration, 2003, 26, 698-706.	1.8	22
180	Adsorption of Difluoromethane (HFC-32) onto phenol resin based adsorbent: Theory and experiments. International Journal of Heat and Mass Transfer, 2018, 127, 348-356.	2.5	22

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181	Adsorption Parameter and Heat of Adsorption of Activated Carbon/HFC-134a Pair. Heat Transfer Engineering, 2010, 31, 910-916.	1.2	21
182	Evaluation of thermal comfort in a test room equipped with a photovoltaic assisted thermo-electric air duct cooling system. International Journal of Hydrogen Energy, 2017, 42, 26956-26972.	3.8	21
183	A comprehensive study to evaluate absolute uptake of carbon dioxide adsorption onto composite adsorbent. International Journal of Refrigeration, 2019, 100, 131-140.	1.8	21
184	Low pressure sulfurization and characterization of multilayer MoS2 for potential applications in supercapacitors. Energy, 2020, 203, 117918.	4.5	21
185	A critical overview of adsorption kinetics for cooling and refrigeration systems. Advances in Colloid and Interface Science, 2021, 294, 102468.	7.0	21
186	Optimization of a solar driven adsorption refrigeration system. Energy Conversion and Management, 2001, 42, 741-753.	4.4	20
187	Influence of solvents on the enhancement of thermophysical properties and stability of multi-walled carbon nanotubes nanofluid. Nanotechnology, 2020, 31, 235402.	1.3	20
188	Synthesis and thermal characterization of paraffin-based nanocomposites for thermal energy storage applications. Thermal Science and Engineering Progress, 2021, 22, 100797.	1.3	20
189	Experiments for Measuring Adsorption Characteristics of an Activated Carbon Fiber/Ethanol Pair Using a Plate-Fin Heat Exchanger. HVAC and R Research, 2006, 12, 767-782.	0.9	19
190	Calculation of Heat of Adsorption of Gases and Refrigerants on Activated Carbons from Direct Measurements Fitted to the Dubininâ€“Astakhov Equation. Adsorption Science and Technology, 2012, 30, 549-565.	1.5	19
191	Improved CO2 adsorption onto chemically activated spherical phenol resin. Journal of CO2 Utilization, 2020, 41, 101255.	3.3	19
192	Performance enhancement of adsorption cooling cycle by pyrolysis of Maxsorb III activated carbon with ammonium carbonate. International Journal of Refrigeration, 2021, 126, 210-221.	1.8	19
193	Design and Performance of an Innovative Four-Bed, Three-Stage Adsorption Cycle. Energies, 2013, 6, 1365-1384.	1.6	18
194	Corrected adsorption rate model of activated carbonâ€“ethanol pair by means of CFD simulation. International Journal of Refrigeration, 2016, 71, 60-68.	1.8	18
195	Objective and subjective evaluation of a sleeping environment test chamber with a thermoelectric air cooling system. Building and Environment, 2018, 141, 155-165.	3.0	18
196	Solar absorption chiller performance prediction based on the selection of principal component analysis. Case Studies in Thermal Engineering, 2019, 13, 100391.	2.8	18
197	Statistical Analysis of Optimized Isotherm Model for Maxsorb III/Ethanol and Silica Gel/Water Pairs. Evergreen, 2018, 5, 1-12.	0.3	18
198	Development of a slug flow absorber working with ammonia-water mixture: part Iâ€”flow characterization and experimental investigation. International Journal of Refrigeration, 2003, 26, 508-515.	1.8	17

#	Article	IF	Citations
199	Maxsorb III/HFC404a as an adsorption pair for renewable energy driven systems. International Journal of Refrigeration, 2020, 120, 12-21.	1.8	17
200	Time adapted linear driving force model for gas adsorption onto solids. Chemical Engineering Journal, 2021, 420, 129785.	6.6	17
201	Adsorption Equilibrium and Kinetics of Gasoline Vapors onto Carbon-Based Adsorbents. Journal of Chemical & Engineering Data, 2008, 53, 41-47.	1.0	16
202	Application of Adsorption Technologies for Energy Efficiency. Heat Transfer Engineering, 2010, 31, 907-909.	1.2	16
203	FUEL CELL WASTE HEAT POWERED ADSORPTION COOLING SYSTEMS. International Journal of Air-Conditioning and Refrigeration, 2013, 21, 1350010.	0.8	16
204	Effect of Mass Recovery on the Performance of Solar Adsorption Cooling System. Energy Procedia, 2015, 79, 67-72.	1.8	16
205	Utilizing Accessible Heat Enhancing Cooling Effect with Three Bed Solar Adsorption Chiller. Heat Transfer Engineering, 2019, 40, 1049-1059.	1.2	16
206	Ionic liquid polymer materials with tunable nanopores controlled by surfactant aggregates: a novel approach for CO₂ capture. Journal of Materials Chemistry A, 2020, 8, 15034-15041.	5.2	16
207	Adsorption of difluoromethane onto activated carbon based composites: Thermophysical properties and adsorption characterization. International Journal of Heat and Mass Transfer, 2021, 171, 121112.	2.5	16
208	Study on thermodynamic and environmental effects of vapor compression refrigeration system employing first to next-generation popular refrigerants. International Journal of Refrigeration, 2021, 131, 568-580.	1.8	16
209	Steady-state Analysis on Thermally Driven Adsorption Air-conditioning System for Agricultural Greenhouses. Procedia Engineering, 2015, 118, 185-192.	1.2	15
210	Numerical Investigation of Small-Scale Adsorption Cooling System Performance Employing Activated Carbon-Ethanol Pair. Energies, 2018, 11, 1499.	1.6	15
211	Surface energy characterization of different particulate silica gels at infinite dilution. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 603, 125209.	2.3	15
212	Statistical techniques for the optimization of cesium removal from aqueous solutions onto iron-based nanoparticle-zeolite composites. Environmental Science and Pollution Research, 2021, 28, 12918-12931.	2.7	15
213	Response surface methodology for strontium removal process optimization from contaminated water using zeolite nanocomposites. Environmental Science and Pollution Research, 2021, 28, 56535-56551.	2.7	15
214	The cultural dynamics of energy: The impact of lived experience, preference and demographics on future energy policy in the United States. Energy Research and Social Science, 2021, 80, 102231.	3.0	15
215	Effect of ZrO2 Nanoparticle Deposited Layer on Pool Boiling Heat Transfer Enhancement. Heat Transfer Engineering, 2021, 42, 1184-1202.	1.2	14
216	Appraisal of pollution scenario, sources and public health risk of harmful metals in mine water of Barapukuria coal mine industry in Bangladesh. Environmental Science and Pollution Research, 2021, 28, 22105-22122.	2.7	14

#	Article	IF	Citations
217	Experimental Study on Carbon Based Adsorbents for Greenhouse Dehumidification. Evergreen, 2014, 1, 5-11.	0.3	14
218	Comparative evaluation on the thermal properties and stability of MWCNT nanofluid with conventional surfactants and ionic liquid. Journal of Thermal Analysis and Calorimetry, 2022, 147, 393-408.	2.0	13
219	Environmental Assessment and Characteristics of Next Generation Refrigerants. Evergreen, 2018, 5, 58-66.	0.3	13
220	Hydrothermal performance improvement of an inserted double pipe heat exchanger with Ionanofluid. Case Studies in Thermal Engineering, 2021, 28, 101533.	2.8	13
221	PERFORMANCE INVESTIGATION OF ADSORPTIONâ€“COMPRESSION HYBRID REFRIGERATION SYSTEMS. International Journal of Air-Conditioning and Refrigeration, 2013, 21, 1350024.	0.8	12
222	Advancement of Solar Adsorption Cooling by Means of Heat Storage. Procedia Engineering, 2014, 90, 649-656.	1.2	12
223	Experimental Study on the Influence of Metal Doping on Thermophysical Properties of Porous Aluminum Fumarate. Heat Transfer Engineering, 2021, 42, 1132-1141.	1.2	12
224	Effect of Pressure on the Adsorption Rate for Gasoline Vapor on Pitch-Based Activated Carbon. Journal of Chemical & Engineering Data, 2009, 54, 1504-1509.	1.0	11
225	Adsorption of Nitrogen on Activated Carbon-Refit of Experimental Data and Derivation of Properties Required for Design of Equipment. Journal of Chemical & Engineering Data, 2009, 54, 2291-2295.	1.0	11
226	Autonomous Adsorption Coolingâ€”Driven by Heat Storage Collected from Solar Heat. Heat Transfer Engineering, 2016, 37, 640-649.	1.2	11
227	Analytical Model of a Combined Adsorption Cooling and Mechanical Vapor Compression Refrigeration System. Heat Transfer Engineering, 2017, 38, 423-430.	1.2	11
228	Performance analysis of a multi-pass solar thermal collector system under transient state assisted by porous media. Solar Energy, 2017, 158, 782-791.	2.9	11
229	Experimental Study of a Thermoelectric Air Duct Dehumidification System for Tropical Climate. Heat Transfer Engineering, 2021, 42, 1159-1171.	1.2	11
230	Transitional metal-doped aluminum fumarates for ultra-low heat driven adsorption cooling systems. Energy, 2022, 238, 122079.	4.5	11
231	Formulation of Water Equilibrium Uptakes on Silica Gel and Ferroaluminophosphate Zeolite for Adsorption Cooling and Desalination Applications. Evergreen, 2014, 1, 37-45.	0.3	11
232	Pool boiling heat transfer and bubble dynamics of modified copper micro-structured surfaces. International Communications in Heat and Mass Transfer, 2022, 134, 106039.	2.9	11
233	Insights of the adsorbents surface chemical properties effect on water adsorption isotherms. International Journal of Heat and Mass Transfer, 2022, 192, 122842.	2.5	11
234	Thermochemical energy applications of green transition metal doped MILâ€“100(Fe). Chemical Engineering Journal, 2022, 448, 137590.	6.6	11

#	Article	IF	Citations
235	Performance Analysis of Waste Heat Driven Pressurized Adsorption Chiller. Journal of Thermal Science and Technology, 2010, 5, 252-265.	0.6	10
236	Realistic minimum desorption temperatures and compressor sizing for activated carbonÂ+ÂHFC 134a adsorption coolers. Applied Thermal Engineering, 2013, 51, 551-559.	3.0	10
237	Design principles for synthesizing high grade activated carbons for adsorption heat pumps. Chemical Engineering Journal Advances, 2021, 6, 100086.	2.4	10
238	Isosteric Heats and Entropy of Adsorption in Henry's Law Region for Carbon and MOFs Structures for Energy Conversion Applications. International Journal of Heat and Mass Transfer, 2022, 182, 122000.	2.5	10
239	SIMULATION STUDY OF THE ADSORPTION DYNAMICS OF CYLINDRICAL SILICA GEL PARTICLES. Heat Transfer Research, 2015, 46, 123-140.	0.9	10
240	Experimental study of nucleate pool boiling heat transfer on microporous structured by chemical etching method. Thermal Science and Engineering Progress, 2021, 26, 101114.	1.3	10
241	Water desalination by silica supported ionic liquid: Adsorption kinetics and system modeling. Energy, 2022, 239, 122069.	4.5	10
242	Operational envelope and performance enhancement of a two-bed adsorption cooling system. Applied Thermal Engineering, 2021, 195, 117181.	3.0	9
243	Performance Evaluation of Solar Driven Activated Carbon Fiber-Ethanol based Adsorption Cooling System in Malaysia. Asian Journal of Scientific Research, 2013, 6, 146-156.	0.3	9
244	Thermophysical Characteristics of Novel Biomass-Derived Activated Carbon as a Function of Synthesis Parameters. Heat Transfer Engineering, 2022, 43, 1694-1707.	1.2	9
245	Adsorption of difluoromethane onto activated carbon based composites: Adsorption kinetics, heat of adsorption, cooling performance and irreversibility evaluation. Applied Thermal Engineering, 2022, 210, 118359.	3.0	9
246	MODELING OF A NOVEL DESORPTION CYCLE BY DIELECTRIC HEATING. Modern Physics Letters B, 2009, 23, 425-428.	1.0	8
247	Thermodynamic Property Surfaces for Adsorption of R507A, R134a, andn-Butane on Pitch-Based Carbonaceous Porous Materials. Heat Transfer Engineering, 2010, 31, 917-923.	1.2	8
248	Design and Modeling of One Refrigeration Ton Solar Assisted Adsorption Air Conditioning System. Journal of Solar Energy Engineering, Transactions of the ASME, 2015, 137, .	1.1	8
249	Experimental investigation on the performance of an adsorption system using Maxsorb IIIâ€¯+â€¯ethanol pair. International Journal of Refrigeration, 2019, 105, 148-157.	1.8	8
250	Innovative approach in adsorption chiller: Combination of condenser-adsorber for improving performance. Applied Thermal Engineering, 2021, 192, 116958.	3.0	8
251	Analysis of operation and construction parameters for adsorption chiller performance with MATLAB/Simulink simulation. Applied Thermal Engineering, 2021, 198, 117499.	3.0	8
252	Study on Spirulina platensis growth employing non-linear analysis of biomass kinetic models. Heliyon, 2021, 7, e08185.	1.4	8

#	Article	IF	Citations
253	Thermodynamic trends in the uptake capacity of porous adsorbents on methane and hydrogen. Applied Physics Letters, 2008, 92, 201911.	1.5	7
254	PARAMETRIC STUDIES OF CHARGING AND DISCHARGING IN ADSORBED NATURAL GAS VESSEL USING ACTIVATED CARBON. Modern Physics Letters B, 2010, 24, 1421-1424.	1.0	7
255	Hydrochemistry and isotopic studies to identify Ganges River and riverbank groundwater interaction, southern Bangladesh. Arabian Journal of Geosciences, 2013, 6, 4585-4591.	0.6	7
256	Modeling the Effect of Heat Source Temperature on the Performance of Two-stage Air Cooled Silica Gel + Water Adsorption System. Energy Procedia, 2017, 105, 2010-2015.	1.8	7
257	Improvement of COP with Heat Recovery Scheme for Solar Adsorption Cooling System. International Journal of Air-Conditioning and Refrigeration, 2018, 26, 1850016.	0.8	7
258	Highly porous activated carbon based adsorption cooling system employing difluoromethane and a mixture of pentafluoroethane and difluoromethane. Heat and Mass Transfer, 2017, 53, 107-114.	1.2	6
259	Synthesis and characterization of ionic liquid polymer composite with zeolite and its application for carbon dioxide capture. IOP Conference Series: Materials Science and Engineering, 0, 458, 012009.	0.3	6
260	Synthesis of High Grade Activated Carbons From Waste Biomass. , 2020, , 584-595.		6
261	Innovative Design and Performance of Three-Bed Two-Stage Adsorption Cycle under Optimized Cycle Time. Journal of Environment and Engineering, 2012, 7, 92-108.	0.2	5
262	Study toward high-performance thermally driven air-conditioning systems. AIP Conference Proceedings, 2017, , .	0.3	5
263	An approach for quantitative analysis of pore size distribution of silica gel using atomic force microscopy. International Journal of Refrigeration, 2019, 105, 72-79.	1.8	5
264	Effect of staggered V-shaped and rectangular grooves copper surfaces on pool boiling heat transfer enhancement using ZrO2 nanofluids. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2021, 43, 1.	0.8	5
265	Mathematical modelling and statistical optimization of fast cultivation of Agardhiella subulata: Response surface methodology. Energy Nexus, 2022, 7, 100115.	3.3	5
266	Adsorption Cooling System Employing Activated Carbon/R32 Adsorption Pair. MATEC Web of Conferences, 2014, 13, 06001.	0.1	4
267	Structure determination of the ordered (2 Ã— 1) phase of NiSi surface alloy on Ni(111) using low-energy electron diffraction. Japanese Journal of Applied Physics, 2015, 54, 125701.	0.8	4
268	Development of High-Speed and Large-Scale Culture Technology of Marine Algae Using Seawater With High Concentrations of Dissolved Carbon Dioxide. Heat Transfer Engineering, 2016, 37, 625-632.	1.2	4
269	Experimental study on the effect of adsorbent height on adsorption dynamics. AIP Conference Proceedings, 2019, , .	0.3	4
270	Experimental and Numerical Investigation of Pool Boiling Heat Transfer over Different Thickness of Grapheneâ€“Poly(3,4-Ethylenedioxythiophene):Poly(Styrenesulfonate) Layers on Copper Heater Surface. Heat Transfer Engineering, 2021, 42, 1203-1222.	1.2	4

#	Article	IF	Citations
271	TEWI Assessment of Conventional and Solar Powered Cooling Systems. Energy, Environment, and Sustainability, 2020, , 147-177.	0.6	4
272	STUDY OF A SILICA GEL-WATER-BASED THREE-BED DUAL-MODE ADSORPTION COOLING CYCLE. Heat Transfer Research, 2015, 46, 213-232.	0.9	4
273	A study on activated carbon and carbon nanotube based consolidated composite adsorbents for cooling applications. Thermal Science and Engineering Progress, 2022, 34, 101388.	1.3	4
274	Experimental and Theoretical Insight of Nonisothermal Adsorption Kinetics for a Single Component Adsorbentâ€“Adsorbate System. Journal of Chemical & Engineering Data, 2012, 57, 1174-1185.	1.0	3
275	Performance Investigation of a Solar Heat Driven Adsorption Chiller under Two Different Climatic Conditions. Journal of the Institution of Engineers (India): Series C, 2018, 99, 347-354.	0.7	3
276	Low GWP Refrigerants for Energy Conservation and Environmental Sustainability. Energy, Environment, and Sustainability, 2019, , 485-517.	0.6	3
277	Thermophysical and Adsorption Characteristics of Waste Biomass-Derived Activated Carbons. , 2020, , 617-628.		3
278	Non-isothermal pore change model predicting CO2 adsorption onto consolidated activated carbon. International Journal of Heat and Mass Transfer, 2021, 177, 121480.	2.5	3
279	Solar Thermal-Powered Adsorption Chiller. Energy, Environment, and Sustainability, 2020, , 117-146.	0.6	3
280	Enhanced water sorption onto bimetallic MOF-801 for energy conversion applications. Sustainable Materials and Technologies, 2022, , e00442.	1.7	3
281	Adsorption Characteristics of Maxsorb-III + Methane Systems by Desorption Experiments. , 2007, , 415.		2
282	Exergy Investigation of R410A as a â€˜Drop Inâ€™ Refrigerant in a Water-Cooled Mechanical Vapor Compression Cycle. Heat Transfer Engineering, 2021, 42, 1069-1086.	1.2	2
283	On Thermodynamics of Advanced Adsorption Cooling Devices. , 2008, , .		1
284	Adsorption Thermodynamics of Natural Gas Storage onto Pitch-Based Activated Carbons. , 2010, , 187-195.		1
285	Adsorption Desalination: A Novel Method. , 2011, , 391-431.		1
286	Thermodynamic Property Slopes from Primary Measurements. International Journal of Mechanical Engineering Education, 2012, 40, 79-91.	0.6	1
287	Alternative technology for cooling. , 2015, , .		1
288	Guest Editorial: Special issue on the 5th International Conference on Polygeneration 2019. Applied Thermal Engineering, 2021, 190, 116853.	3.0	1

#	Article	IF	Citations
289	Performance Investigation of Low GWP Refrigerant based Adsorption Cooling Cycle. , 2010, , .		1
290	Adsorption Cooling System Driven by Solar Collector: A Case Study for Tokyo Solar Data. , 2010, , .		1
291	Study on Single- and Multi-Stage Adsorption Cooling Cycles Working at Sub and Above Atmospheric Conditions. , 2008, , .		0
292	Selected Papers from the International Symposium on Innovative Materials for Processes in Energy Systems 2010 (IMPRES2010): Part I. Heat Transfer Engineering, 2013, 34, 887-888.	1.2	0
293	Non-isothermal adsorption rate model of activated carbon-ethanol pair for solar cooling applications estimated through CFD simulation. , 2016, , .		0
294	Selected Papers from the International Symposium on Innovative Materials for Processes in Energy Systems 2013 (IMPRES2013): Part I. Heat Transfer Engineering, 2016, 37, 603-605.	1.2	0
295	Selected Papers from the 6th International Meeting on Advanced Thermofluids (IMAT2013). Heat Transfer Engineering, 2017, 38, 387-388.	1.2	0
296	Adsorption of CO2 and Ethanol by a Spherical Activated Carbon in a Heat Pump. Journal of Engineering Physics and Thermophysics, 2019, 92, 1575-1581.	0.2	0
297	Selected Papers from the 4th International Symposium on Innovative Materials for Processes in Energy Systems (IMPRES2016). Heat Transfer Engineering, 2019, 40, 971-972.	1.2	0
298	Investigation on Thermo-physical Properties of Silica Gel for Adsorption Desalination Cycles. , 2010, , .		0
299	Performance Studies of Combined Adsorption Refrigeration Cycles. , 2010, , .		0
300	Selected Papers from the 5th International Symposium on Innovative Materials for Processes in Energy Systems (IMPRES2019). Heat Transfer Engineering, 0, , 1-3.	1.2	0