

Kim Choon Ng

List of Publications by Year in descending order

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309
papers

12,385
citations

22099

59
h-index

38300

95
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317
all docs

317
docs citations

317
times ranked

5821
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption heat transformer cycle using multiple adsorbent-water pairs for waste heat upgrade. <i>Journal of Thermal Analysis and Calorimetry</i> , 2023, 148, 3059-3071.	2.0	6
2	A novel hybrid adsorption heat transformer “ multi-effect distillation (AHT-MED) system for improved performance and waste heat upgrade. <i>Applied Energy</i> , 2022, 305, 117744.	5.1	18
3	Demystifying integrated power and desalination processes evaluation based on standard primary energy approach. <i>Thermal Science and Engineering Progress</i> , 2022, 27, 101153.	1.3	3
4	A thermally-driven seawater desalination system: Proof of concept and vision for future sustainability. <i>Case Studies in Thermal Engineering</i> , 2022, 35, 102084.	2.8	7
5	Experimental study of a sustainable cooling process hybridizing indirect evaporative cooling and mechanical vapor compression. <i>Energy Reports</i> , 2022, 8, 7945-7956.	2.5	18
6	Innovative concentrated photovoltaic thermal (CPV/T) system with combined hydrogen and MgO based storage. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 16534-16545.	3.8	12
7	A spatiotemporal indirect evaporative cooler enabled by transiently interceding water mist. <i>Energy</i> , 2021, 217, 119352.	4.5	38
8	Advances in Air Conditioning Technologies. <i>Green Energy and Technology</i> , 2021, , .	0.4	4
9	Defining sulfonation limits of poly(ether-ether-ketone) for energy-efficient dehumidification. <i>Journal of Materials Chemistry A</i> , 2021, 9, 17740-17748.	5.2	7
10	Experimental Investigations of a Solar Water Treatment System for Remote Desert Areas of Pakistan. <i>Water (Switzerland)</i> , 2021, 13, 1070.	1.2	8
11	A zero liquid discharge system integrating multi-effect distillation and evaporative crystallization for desalination brine treatment. <i>Desalination</i> , 2021, 502, 114928.	4.0	59
12	A thermodynamic platform for evaluating the energy efficiency of combined power generation and desalination plants. <i>Npj Clean Water</i> , 2021, 4, .	3.1	20
13	Optimizing the energy recovery section in thermal desalination systems for improved thermodynamic, economic, and environmental performance. <i>International Communications in Heat and Mass Transfer</i> , 2021, 124, 105244.	2.9	26
14	A decentralized water/electricity cogeneration system integrating concentrated photovoltaic/thermal collectors and vacuum multi-effect membrane distillation. <i>Energy</i> , 2021, 230, 120852.	4.5	34
15	An exergoeconomic and normalized sensitivity based comprehensive investigation of a hybrid power-and-water desalination system. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 47, 101463.	1.7	3
16	A spray-assisted multi-effect distillation system driven by ocean thermocline energy. <i>Energy Conversion and Management</i> , 2021, 245, 114570.	4.4	13
17	A hybrid indirect evaporative cooling-mechanical vapor compression process for energy-efficient air conditioning. <i>Energy Conversion and Management</i> , 2021, 248, 114798.	4.4	30
18	An ocean thermocline desalination system using the direct spray method. <i>Desalination</i> , 2021, 520, 115373.	4.0	6

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19	Present State of Cooling, Energy Consumption and Sustainability. Green Energy and Technology, 2021, , 1-15.	0.4	3
20	A novel zero-liquid discharge desalination system based on the humidification-dehumidification process: A preliminary study. Water Research, 2021, 207, 117794.	5.3	16
21	Future of Air Conditioning. Green Energy and Technology, 2021, , 17-52.	0.4	0
22	Dew-Point Evaporative Cooling Systems. Green Energy and Technology, 2021, , 53-130.	0.4	1
23	Adsorbent-Coated Heat and Mass Exchanger. Green Energy and Technology, 2021, , 131-166.	0.4	0
24	Liquid Desiccant Air-Conditioning Systems. Green Energy and Technology, 2021, , 167-224.	0.4	0
25	Membrane Air Dehumidification. Green Energy and Technology, 2021, , 225-255.	0.4	0
26	Dissipative Losses in Cooling Cycles. Green Energy and Technology, 2021, , 257-275.	0.4	0
27	Efficacy Comparison for Cooling Cycles. Green Energy and Technology, 2021, , 277-289.	0.4	0
28	Thermo-Economic Analysis for Cooling Cycles. Green Energy and Technology, 2021, , 291-305.	0.4	0
29	An investigation into the efficiency of biocides in controlling algal biofouling in seawater industrial cooling towers. Environmental Engineering Research, 2021, 26, 190397-0.	1.5	2
30	Hollow spherical SiO ₂ micro-container encapsulation of LiCl for high-performance simultaneous heat reallocation and seawater desalination. Journal of Materials Chemistry A, 2020, 8, 1887-1895.	5.2	53
31	Pilot studies on synergetic impacts of energy utilization in hybrid desalination system: Multi-effect distillation and adsorption cycle (MED-AD). Desalination, 2020, 477, 114266.	4.0	80
32	Molecular engineering of high-performance nanofiltration membranes from intrinsically microporous poly(ether-ether-ketone). Journal of Materials Chemistry A, 2020, 8, 24445-24454.	5.2	34
33	NEXARTM-coated hollow fibers for air dehumidification. Journal of Membrane Science, 2020, 614, 118450.	4.1	18
34	Fresh water production by membrane distillation (MD) using marine engine's waste heat. Sustainable Energy Technologies and Assessments, 2020, 42, 100860.	1.7	9
35	A self-sustainable solar desalination system using direct spray technology. Energy, 2020, 205, 118037.	4.5	30
36	Simultaneous production of cooling and freshwater by an integrated indirect evaporative cooling and humidification-dehumidification desalination cycle. Energy Conversion and Management, 2020, 221, 113169.	4.4	35

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37	A greener seawater desalination method by direct-contact spray evaporation and condensation (DCSEC): Experiments. Applied Thermal Engineering, 2020, 179, 115629.	3.0	23
38	Thermo-economic analysis and optimization of a vacuum multi-effect membrane distillation system. Desalination, 2020, 483, 114413.	4.0	44
39	A Universal Mathematical Methodology in Characterization of Materials for Tailored Design of Porous Surfaces. Frontiers in Chemistry, 2020, 8, 601132.	1.8	7
40	Elucidation of dual-mode inhibition mechanism of a typical polymer-based antiscalant on Red seawater for thermal desalination at higher temperatures and higher concentration factors. Journal of Petroleum Science and Engineering, 2019, 183, 106380.	2.1	4
41	A Universal Theoretical Framework in Material Characterization for Tailored Porous Surface Design. Scientific Reports, 2019, 9, 8773.	1.6	19
42	Design of Industrial Falling Film Evaporators. , 2019, , .		2
43	An improved indirect evaporative cooler experimental investigation. Applied Energy, 2019, 256, 113934.	5.1	48
44	Long Term Electrical Rating of Concentrated Photovoltaic (CPV) Systems in Singapore. Energy Procedia, 2019, 158, 73-78.	1.8	5
45	Approaches to Energy Efficiency in Air conditioning: Innovative processes and thermodynamics. Energy Procedia, 2019, 158, 1455-1460.	1.8	4
46	Desalination Processesâ€™ Efficiency and Future Roadmap. Entropy, 2019, 21, 84.	1.1	54
47	Performance of singleâ€and doubleâ€effect operable mechanical vapor recompression desalination system adaptable to variable wind energy. International Journal of Energy Research, 2019, 43, 4606-4612.	2.2	1
48	Performance investigation of MEMSYS vacuum membrane distillation system in single effect and multi-effect mode. Sustainable Energy Technologies and Assessments, 2019, 34, 9-15.	1.7	23
49	An innovative pressure swing adsorption cycle. AIP Conference Proceedings, 2019, , .	0.3	7
50	Concentrated Photovoltaic (CPV): From Deserts to Rooftops. Lecture Notes in Energy, 2019, , 93-111.	0.2	3
51	Concentrated Photovoltaic (CPV) for Rooftopâ€™ Compact System Approach. Energy, Environment, and Sustainability, 2019, , 157-174.	0.6	2
52	Renewable Energy Storage and Its Application for Desalination. Energy, Environment, and Sustainability, 2019, , 313-329.	0.6	0
53	Approaches to energy efficiency in air conditioning: A comparative study on purge configurations for indirect evaporative cooling. Energy, 2019, 168, 505-515.	4.5	34
54	A standard primary energy approach for comparing desalination processes. Npj Clean Water, 2019, 2, .	3.1	89

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55	Compact CPVâ€™Sustainable Approach for Efficient Solar Energy Capture with Hybrid Concentrated Photovoltaic Thermal (CPVT) System and Hydrogen Production. Springer Proceedings in Energy, 2019, , 93-102.	0.2	1
56	Optimization Strategy of Sustainable Concentrated Photovoltaic Thermal (CPVT) System for Cooling. Energy, Environment, and Sustainability, 2019, , 255-275.	0.6	1
57	A 3D Photothermal Structure toward Improved Energy Efficiency in Solar Steam Generation. Joule, 2018, 2, 1171-1186.	11.7	527
58	Desalination processes evaluation at common platform: A universal performance ratio (UPR) method. Applied Thermal Engineering, 2018, 134, 62-67.	3.0	64
59	Hydrogen at the rooftop: Compact CPV-hydrogen system to convert sunlight to hydrogen. Applied Thermal Engineering, 2018, 132, 154-164.	3.0	32
60	A pathway for sustainable conversion of sunlight to hydrogen using proposed compact CPV system. Energy Conversion and Management, 2018, 165, 102-112.	4.4	31
61	A multi evaporator desalination system operated with thermocline energy for future sustainability. Desalination, 2018, 435, 268-277.	4.0	46
62	Performance assessment of oxidants as a biocide for biofouling control in industrial seawater cooling towers. Journal of Industrial and Engineering Chemistry, 2018, 59, 127-133.	2.9	17
63	Sustainable desalination using ocean thermocline energy. Renewable and Sustainable Energy Reviews, 2018, 82, 240-246.	8.2	49
64	Renewable Energy-Driven Desalination Hybrids for Sustainability. , 2018, , .		6
65	Energy distribution function based universal adsorption isotherm model for all types of isotherm. International Journal of Low-Carbon Technologies, 2018, 13, 292-297.	1.2	28
66	Adsorption desalinationâ€™Principles, process design, and its hybrids for future sustainable desalination. , 2018, , 3-34.		18
67	Sustainable Cooling with Hybrid Concentrated Photovoltaic Thermal (CPVT) System and Hydrogen Energy Storage. International Journal of Computational Physics Series, 2018, 1, 40-51.	0.3	14
68	Energy Storage & Desalination. International Journal of Computational Physics Series, 2018, 1, 52-60.	0.3	3
69	LINKING GEOTHERMAL ELECTRICITY GENERATION WITH MULTIPLE DESALINATION PROCESS AND AQUIFER STORAGE AND RECOVERY: A METHOD TO REDUCE FOSSIL FUELS USE AND THE CARBON FOOTPRINT OF MANY GLOBAL REGIONS. , 2018, , .		0
70	Prediction of Chiller Power Consumption: An Entropy Generation Approach. Heat Transfer Engineering, 2017, 38, 389-395.	1.2	5
71	High-Pressure Adsorption Isotherms of Carbon Dioxide and Methane on Activated Carbon From Low-Grade Coal of Indonesia. Heat Transfer Engineering, 2017, 38, 396-402.	1.2	11
72	Selected Papers from the 6th International Meeting on Advanced Thermofluids (IMAT2013). Heat Transfer Engineering, 2017, 38, 387-388.	1.2	0

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73	Effect of hygroscopic materials on water vapor permeation and dehumidification performance of poly(vinyl alcohol) membranes. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	1.3	48
74	Studying the performance of a dehumidifier with adsorbent coated heat exchangers for tropical climate operations. <i>Science and Technology for the Built Environment</i> , 2017, 23, 127-135.	0.8	21
75	Energy-water-environment nexus underpinning future desalination sustainability. <i>Desalination</i> , 2017, 413, 52-64.	4.0	512
76	An Improved Multievaporator Adsorption Desalination Cycle for Gulf Cooperation Council Countries. <i>Energy Technology</i> , 2017, 5, 1663-1669.	1.8	23
77	Pushing desalination recovery to the maximum limit: Membrane and thermal processes integration. <i>Desalination</i> , 2017, 416, 54-64.	4.0	87
78	An exergy approach to efficiency evaluation of desalination. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	64
79	Solar to hydrogen: Compact and cost effective CPV field for rooftop operation and hydrogen production. <i>Applied Energy</i> , 2017, 194, 255-266.	5.1	58
80	A thermodynamic perspective to study energy performance of vacuum-based membrane dehumidification. <i>Energy</i> , 2017, 132, 106-115.	4.5	51
81	Experimental investigation of a mechanical vapour compression chiller at elevated chilled water temperatures. <i>Applied Thermal Engineering</i> , 2017, 123, 226-233.	3.0	26
82	Evaluation of a dehumidifier with adsorbent coated heat exchangers for tropical climate operations. <i>Energy</i> , 2017, 137, 441-448.	4.5	66
83	Development of performance model and optimization strategy for standalone operation of CPV-hydrogen system utilizing multi-junction solar cell. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 26789-26803.	3.8	42
84	A Universal Isotherm Model to Capture Adsorption Uptake and Energy Distribution of Porous Heterogeneous Surface. <i>Scientific Reports</i> , 2017, 7, 10634.	1.6	130
85	Long-term performance potential of concentrated photovoltaic (CPV) systems. <i>Energy Conversion and Management</i> , 2017, 148, 90-99.	4.4	37
86	Experimental and numerical study of effect of thermal management on storage capacity of the adsorbed natural gas vessel. <i>Applied Thermal Engineering</i> , 2017, 125, 523-531.	3.0	30
87	Aquifer Treatment of Sea Water to Remove Natural Organic Matter Before Desalination. <i>Ground Water</i> , 2017, 55, 316-326.	0.7	8
88	Performance investigation on a 4-bed adsorption desalination cycle with internal heat recovery scheme. <i>Desalination</i> , 2017, 402, 88-96.	4.0	59
89	Geothermal energy/desalination concepts. , 2017, , 107-130.		1
90	Forecasting long-term electricity demand for cooling of Singapore's buildings incorporating an innovative air-conditioning technology. <i>Energy and Buildings</i> , 2016, 127, 183-193.	3.1	51

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91	A novel integrated thermal-/membrane-based solar energy-driven hybrid desalination system: Concept description and simulation results. <i>Water Research</i> , 2016, 100, 7-19.	5.3	39
92	Double lens collimator solar feedback sensor and master slave configuration: Development of compact and low cost two axis solar tracking system for CPV applications. <i>Solar Energy</i> , 2016, 137, 352-363.	2.9	40
93	FUTURE ENERGY BENCHMARK FOR DESALINATION: IS IT BETTER TO HAVE A POWER (ELECTRICITY) PLANT WITH RO OR MED/MSF?. <i>International Journal of Modern Physics Conference Series</i> , 2016, 42, 1660172.	0.7	2
94	Development of a model for spray evaporation based on droplet analysis. <i>Desalination</i> , 2016, 399, 69-77.	4.0	43
95	Long term hydrogen production potential of concentrated photovoltaic (CPV) system in tropical weather of Singapore. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 16729-16742.	3.8	37
96	Unsteady-state analysis of a counter-flow dew point evaporative cooling system. <i>Energy</i> , 2016, 113, 172-185.	4.5	42
97	Experimental Investigation of Multijunction Solar Cell Using Two Axis Solar Tracker. <i>Applied Mechanics and Materials</i> , 2016, 818, 213-218.	0.2	4
98	Performance investigation of a waste heat-driven 3-bed 2-evaporator adsorption cycle for cooling and desalination. <i>International Journal of Heat and Mass Transfer</i> , 2016, 101, 1111-1122.	2.5	64
99	Numerical Study of the Thermal Behaviours of the Absorbent Bed for Storing a Natural Gas at Adsorbed State with Low Pressure in a Vessel. <i>Applied Mechanics and Materials</i> , 2016, 818, 291-295.	0.2	0
100	Numerical heat and mass transfer analysis of a cross-flow indirect evaporative cooler with plates and flat tubes. <i>Heat and Mass Transfer</i> , 2016, 52, 1765-1777.	1.2	21
101	Future sustainable desalination using waste heat: kudos to thermodynamic synergy. <i>Environmental Science: Water Research and Technology</i> , 2016, 2, 206-212.	1.2	27
102	Sunlight to hydrogen conversion: Design optimization and energy management of concentrated photovoltaic (CPV-Hydrogen) system using micro genetic algorithm. <i>Energy</i> , 2016, 99, 115-128.	4.5	49
103	Geothermal electricity generation and desalination: an integrated process design to conserve latent heat with operational improvements. <i>Desalination and Water Treatment</i> , 2016, 57, 23110-23118.	1.0	27
104	Simulation and development of a multi-leg homogeniser concentrating assembly for concentrated photovoltaic (CPV) system with electrical rating analysis. <i>Energy Conversion and Management</i> , 2016, 116, 58-71.	4.4	42
105	Study on dew point evaporative cooling system with counter-flow configuration. <i>Energy Conversion and Management</i> , 2016, 109, 153-165.	4.4	88
106	Recent development in thermally activated desalination methods: achieving an energy efficiency less than $2.5 \text{ kWh} / \text{m}^3$. <i>Desalination and Water Treatment</i> , 2016, 57, 7396-7405.	1.0	13
107	Fundamental and application aspects of adsorption cooling and desalination. <i>Applied Thermal Engineering</i> , 2016, 97, 68-76.	3.0	59
108	A heat transfer correlation for transient vapor uptake of powdered adsorbent embedded onto the fins of heat exchangers. <i>Applied Thermal Engineering</i> , 2016, 93, 668-677.	3.0	17

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109	Performance of adsorbent-embedded heat exchangers using binder-coating method. International Journal of Heat and Mass Transfer, 2016, 92, 149-157.	2.5	93
110	Synthesis of porous Cu-BTC with ultrasonic treatment: Effects of ultrasonic power and solvent condition. Ultrasonics Sonochemistry, 2016, 29, 186-193.	3.8	52
111	Water vapor permeation and dehumidification performance of poly(vinyl alcohol)/lithium chloride composite membranes. Journal of Membrane Science, 2016, 498, 254-262.	4.1	90
112	Electrical Rating of Concentrated Photovoltaic (CPV) Systems: Long-Term Performance Analysis and Comparison to Conventional PV Systems. International Journal of Technology, 2016, 7, 189.	0.4	21
113	Experimental and Numerical Analysis of the Influence of Thermal Control on Adsorption and Desorption Processes in Adsorbed Natural Gas Storage. Eurasian Chemico-Technological Journal, 2016, 18, 85.	0.3	6
114	An Adsorption Equilibria Model for Steady State Analysis. International Journal of Technology, 2016, 7, 274.	0.4	1
115	Development and performance analysis of a two-axis solar tracker for concentrated photovoltaics. International Journal of Energy Research, 2015, 39, 965-976.	2.2	42
116	Experimental and modeling analysis of membrane-based air dehumidification. Separation and Purification Technology, 2015, 144, 114-122.	3.9	91
117	Design configurations analysis of wind-induced natural ventilation tower in hot humid climate using computational fluid dynamics. International Journal of Low-Carbon Technologies, 2015, 10, 332-346.	1.2	5
118	Performance evaluation of an indirect pre-cooling evaporative heat exchanger operating in hot and humid climate. Energy Conversion and Management, 2015, 102, 140-150.	4.4	90
119	An experimental investigation on MEDAD hybrid desalination cycle. Applied Energy, 2015, 148, 273-281.	5.1	105
120	Performance investigation of an advanced multi-effect adsorption desalination (MEAD) cycle. Applied Energy, 2015, 159, 469-477.	5.1	64
121	Recent developments in thermally-driven seawater desalination: Energy efficiency improvement by hybridization of the MED and AD cycles. Desalination, 2015, 356, 255-270.	4.0	149
122	EXPERIMENTAL INVESTIGATION OF A SMALL-SCALE THERMALLY DRIVEN PRESSURIZED ADSORPTION CHILLER. Heat Transfer Research, 2015, 46, 311-332.	0.9	1
123	Evaluation and Parametric Optimization of the Thermal Performance and Cost Effectiveness of Active-Indirect Solar Hot Water Plants. Evergreen, 2015, 2, 50-60.	0.3	4
124	Adsorption characteristics of water vapor on ferroaluminophosphate for desalination cycle. Desalination, 2014, 344, 350-356.	4.0	57
125	Pressurized adsorption cooling cycles driven by solar/waste heat. Applied Thermal Engineering, 2014, 67, 106-113.	3.0	21
126	Renewable energy-driven innovative energy-efficient desalination technologies. Applied Energy, 2014, 136, 1155-1165.	5.1	240

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127	Water quality assessment of solar-assisted adsorption desalination cycle. Desalination, 2014, 344, 144-151.	4.0	51
128	Multi effect desalination and adsorption desalination (MEDAD): A hybrid desalination method. Applied Thermal Engineering, 2014, 72, 289-297.	3.0	165
129	Organic Brayton Cycles with solid sorption thermal compression for low grade heat utilization. Applied Thermal Engineering, 2014, 62, 171-175.	3.0	12
130	Adsorption kinetics of propane on energetically heterogeneous activated carbon. Applied Thermal Engineering, 2014, 72, 206-210.	3.0	2
131	Adsorption characteristics of methane on Maxsorb III by gravimetric method. Applied Thermal Engineering, 2014, 72, 200-205.	3.0	42
132	Studying the performance of an improved dew-point evaporative design for cooling application. Applied Thermal Engineering, 2014, 63, 624-633.	3.0	55
133	Performance evaluation of a zeolite water adsorption chiller with entropy analysis of thermodynamic insight. Applied Energy, 2014, 130, 702-711.	5.1	75
134	A synergetic hybridization of adsorption cycle with the multi-effect distillation (MED). Applied Thermal Engineering, 2014, 62, 245-255.	3.0	38
135	An Emerging Hybrid Multi-Effect Adsorption Desalination System. Evergreen, 2014, 1, 30-36.	0.3	9
136	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
137	Numerical simulation of solar-assisted multi-effect distillation (SMED) desalination systems. Desalination and Water Treatment, 2013, 51, 1242-1253.	1.0	9
138	Analysis of a membrane based air-dehumidification unit for air conditioning in tropical climates. Applied Thermal Engineering, 2013, 59, 370-379.	3.0	36
139	A hybrid multi-effect distillation and adsorption cycle. Applied Energy, 2013, 104, 810-821.	5.1	95
140	Experimental investigation on the optimal performance of Zeolite water adsorption chiller. Applied Energy, 2013, 102, 582-590.	5.1	100
141	Thermo-physical properties of silica gel for adsorption desalination cycle. Applied Thermal Engineering, 2013, 50, 1596-1602.	3.0	97
142	Sustainable renewable energy seawater desalination using combined-cycle solar and geothermal heat sources. Desalination and Water Treatment, 2013, 51, 1161-1170.	1.0	41
143	Realistic minimum desorption temperatures and compressor sizing for activated carbon HFC 134a adsorption coolers. Applied Thermal Engineering, 2013, 51, 551-559.	3.0	10
144	Entropy generation analysis of an adsorption cooling cycle. International Journal of Heat and Mass Transfer, 2013, 60, 143-155.	2.5	38

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145	On the Thermodynamics of Refrigerant + Heterogeneous Solid Surfaces Adsorption. Langmuir, 2013, 29, 14494-14502.	1.6	26
146	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
147	Heat of Adsorption and Adsorbed Phase Specific Heat Capacity of Methane/Activated Carbon System. Procedia Engineering, 2013, 56, 118-125.	1.2	29
148	Numerical simulation and performance investigation of an advanced adsorption desalination cycle. Desalination, 2013, 308, 209-218.	4.0	94
149	Adsorption desalination: An emerging low-cost thermal desalination method. Desalination, 2013, 308, 161-179.	4.0	252
150	Study on activated carbon/HFO-1234ze(E) based adsorption cooling cycle. Applied Thermal Engineering, 2013, 50, 1570-1575.	3.0	54
151	Bubble-assisted film evaporation correlation for saline water at sub-atmospheric pressures in horizontal-tube evaporator. Applied Thermal Engineering, 2013, 50, 670-676.	3.0	40
152	Performance investigation of a solar-assisted direct contact membrane distillation system. Journal of Membrane Science, 2013, 427, 345-364.	4.1	152
153	Thermophysical Properties of Novel Zeolite Materials for Sorption Cycles. Applied Mechanics and Materials, 2013, 388, 116-122.	0.2	7
154	Selected Papers from the International Symposium on Innovative Materials for Processes in Energy Systems 2010 (IMPRES2010): Part II. Heat Transfer Engineering, 2013, 34, 948-949.	1.2	0
155	A Study on the Kinetics of Propane-Activated Carbon: Theory and Experiments. Applied Mechanics and Materials, 2013, 388, 76-82.	0.2	4
156	Performance investigation of advanced adsorption desalination cycle with condenserâ€“evaporator heat recovery scheme. Desalination and Water Treatment, 2013, 51, 150-163.	1.0	34
157	The performance investigation of a temperature cascaded cogeneration system equipped with adsorption desalination unit. Desalination and Water Treatment, 2013, 51, 1900-1907.	1.0	1
158	The performance of a temperature cascaded cogeneration system producing steam, cooling and dehumidification. Desalination and Water Treatment, 2013, 51, 1915-1921.	1.0	0
159	An entropy generation and genetic algorithm optimization of two-bed adsorption cooling cycle. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2012, 226, 142-156.	1.4	10
160	Thermodynamic Property Slopes from Primary Measurements. International Journal of Mechanical Engineering Education, 2012, 40, 79-91.	0.6	1
161	Performance investigation of a cogeneration plant with the efficient and compact heat recovery system. , 2012, , .		0
162	An improved film evaporation correlation for saline water at sub-atmospheric pressures. , 2012, , .		3

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163	EXPERIMENTAL INVESTIGATIONS OF ADSORBED NATURAL GAS STORAGE SYSTEM WITH ENHANCED THERMAL MANAGEMENT. International Journal of Modern Physics Conference Series, 2012, 19, 190-195.	0.7	2
164	Adsorption Isotherms and Isotheric Enthalpy of Adsorption for Assorted Refrigerants on Activated Carbons. Journal of Chemical & Engineering Data, 2012, 57, 2766-2773.	1.0	35
165	Entropy generation minimization: A practical approach for performance evaluation of temperature cascaded co-generation plants. Energy, 2012, 46, 493-521.	4.5	25
166	Calculation of Heat of Adsorption of Gases and Refrigerants on Activated Carbons from Direct Measurements Fitted to the Dubinin-Astakhov Equation. Adsorption Science and Technology, 2012, 30, 549-565.	1.5	19
167	Transport analysis of an air gap membrane distillation (AGMD) process. Desalination and Water Treatment, 2012, 42, 333-346.	1.0	24
168	Experimental and Theoretical Insight of Nonisothermal Adsorption Kinetics for a Single Component Adsorbent-Adsorbate System. Journal of Chemical & Engineering Data, 2012, 57, 1174-1185.	1.0	3
169	On thermodynamics of methane+carbonaceous materials adsorption. International Journal of Heat and Mass Transfer, 2012, 55, 565-573.	2.5	66
170	The experimental investigation on the performance of a low temperature waste heat-driven multi-bed desiccant dehumidifier (MBDD) and minimization of entropy generation. Applied Thermal Engineering, 2012, 39, 70-77.	3.0	38
171	Study on a waste heat-driven adsorption cooling cum desalination cycle. International Journal of Refrigeration, 2012, 35, 685-693.	1.8	151
172	Thermal analysis and performance optimization of a solar hot water plant with economic evaluation. Solar Energy, 2012, 86, 1378-1395.	2.9	55
173	A corresponding states treatment of the liquid-vapor saturation line. Journal of Chemical Thermodynamics, 2012, 44, 97-101.	1.0	10
174	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
175	Case studies of microbubbles in wastewater treatment. Desalination and Water Treatment, 2011, 30, 10-16.	1.0	16
176	Adsorption Isotherms of CH ₄ on Activated Carbon from Indonesian Low Grade Coal. Journal of Chemical & Engineering Data, 2011, 56, 361-367.	1.0	26
177	An Advanced Model for MicroGrid and Energy Independence. , 2011, , .		0
178	Advanced Adsorption Cooling cum Desalination Cycle: A Thermodynamic Framework. , 2011, , .		4
179	Theoretical and Experimental Analyses of Energy Efficient Air Dehumidification Systems for Tropical Climates Using Membrane Technology. , 2011, , .		0
180	A second law analysis and entropy generation minimization of an absorption chiller. Applied Thermal Engineering, 2011, 31, 2405-2413.	3.0	76

#	ARTICLE	IF	CITATIONS
181	Study on an advanced adsorption desalination cycle with evaporatorâ€œcondenser heat recovery circuit. International Journal of Heat and Mass Transfer, 2011, 54, 43-51.	2.5	104
182	Thermal enhancement of charge and discharge cycles for adsorbed natural gas storage. Applied Thermal Engineering, 2011, 31, 1630-1639.	3.0	48
183	Theoretical insight of adsorption cooling. Applied Physics Letters, 2011, 98, .	1.5	42
184	A Correlation for Confined Nucleate Boiling Heat Transfer. Journal of Heat Transfer, 2011, 133, .	1.2	5
185	Adsorption Desalination: A Novel Method. , 2011, , 391-431.		1
186	Adsorption Thermodynamics of Natural Gas Storage onto Pitch-Based Activated Carbons. , 2010, , 187-195.		1
187	Performance Analysis of Waste Heat Driven Pressurized Adsorption Chiller. Journal of Thermal Science and Technology, 2010, 5, 252-265.	0.6	10
188	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
189	EVALUATION OF THE SIMPLE THERMODYNAMIC MODEL (GORDON AND NG UNIVERSAL CHILLER MODEL) AS A FAULT DETECTION AND DIAGNOSIS TOOL FOR ON-SITE CENTRIFUGAL CHILLERS. International Journal of Air-Conditioning and Refrigeration, 2010, 18, 55-60.	0.8	5
190	Application of Adsorption Technologies for Energy Efficiency. Heat Transfer Engineering, 2010, 31, 907-909.	1.2	16
191	Life-cycle cost analysis of adsorption cycles for desalination. Desalination and Water Treatment, 2010, 20, 1-10.	1.0	46
192	EXPERIMENTAL ANALYSIS OF POOL BOILING HEAT TRANSFER ON EXTENDED SURFACES AT NEAR VACUUM PRESSURES. Modern Physics Letters B, 2010, 24, 1377-1380.	1.0	1
193	Pool Boiling Heat Transfer of Water on Finned Surfaces at Near Vacuum Pressures. Journal of Heat Transfer, 2010, 132, .	1.2	40
194	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
195	Thermodynamic Property Surfaces for Adsorption of R507A, R134a, and n-Butane on Pitch-Based Carbonaceous Porous Materials. Heat Transfer Engineering, 2010, 31, 917-923.	1.2	8
196	Improved Isotherm Data for Adsorption of Methane on Activated Carbons. Journal of Chemical & Engineering Data, 2010, 55, 2840-2847.	1.0	75
197	Adsorption Parameter and Heat of Adsorption of Activated Carbon/HFC-134a Pair. Heat Transfer Engineering, 2010, 31, 910-916.	1.2	21
198	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

#	ARTICLE	IF	CITATIONS
199	Adsorption Isotherm of Methane/Maxsorb III Pair for a Wide Range of Temperature. , 2010, , .		0
200	Investigation on Thermo-physical Properties of Silica Gel for Adsorption Desalination Cycles. , 2010, , .		0
201	MODELING OF A NOVEL DESORPTION CYCLE BY DIELECTRIC HEATING. Modern Physics Letters B, 2009, 23, 425-428.	1.0	8
202	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
203	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
204	Using the condenser effluent from a nuclear power plant for Ocean Thermal Energy Conversion (OTEC). International Communications in Heat and Mass Transfer, 2009, 36, 1008-1013.	2.9	61
205	Operational strategy of adsorption desalination systems. International Journal of Heat and Mass Transfer, 2009, 52, 1811-1816.	2.5	139
206	Modeling and testing of an advanced compact two-phase cooler for electronics cooling. International Journal of Heat and Mass Transfer, 2009, 52, 3456-3463.	2.5	11
207	Adsorption Thermodynamics of Silica Gel [®] Water Systems. Journal of Chemical & Engineering Data, 2009, 54, 448-452.	1.0	53
208	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
209	Theoretical Insight of Physical Adsorption for a Single-Component Adsorbent + Adsorbate System: I. Thermodynamic Property Surfaces. Langmuir, 2009, 25, 2204-2211.	1.6	78
210	Theoretical Insight of Physical Adsorption for a Single Component Adsorbent + Adsorbate System: II. The Henry Region. Langmuir, 2009, 25, 7359-7367.	1.6	31
211	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
212	Experimental investigation on activated carbon [®] ethanol pair for solar powered adsorption cooling applications. International Journal of Refrigeration, 2008, 31, 1407-1413.	1.8	126
213	Thermodynamic trends in the uptake capacity of porous adsorbents on methane and hydrogen. Applied Physics Letters, 2008, 92, 201911.	1.5	7
214	Adsorption Desalination Quenches Global Thirst. Heat Transfer Engineering, 2008, 29, 845-848.	1.2	38
215	Adsorption Equilibrium and Kinetics of Gasoline Vapors onto Carbon-Based Adsorbents. Journal of Chemical & Engineering Data, 2008, 53, 41-47.	1.0	16
216	A Universal Performance Chart for CPU Cooling Devices. Heat Transfer Engineering, 2008, 29, 651-656.	1.2	11

#	ARTICLE	IF	CITATIONS
217	On Thermodynamics of Advanced Adsorption Cooling Devices. , 2008, , .		1
218	Study on Single- and Multi-Stage Adsorption Cooling Cycles Working at Sub and Above Atmospheric Conditions. , 2008, , .		0
219	Modeling and Testing of an Integrated Evaporator-Condenser Device for CPU Cooling. , 2008, , .		0
220	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
221	Adsorption characteristics of parent and copper-sputtered RD silica gels. Philosophical Magazine, 2007, 87, 1113-1121.	0.7	6
222	Specific heat capacity of a single component adsorbent-adsorbate system. Applied Physics Letters, 2007, 90, 171902.	1.5	48
223	Thermodynamic formalism of minimum heat source temperature for driving advanced adsorption cooling device. Applied Physics Letters, 2007, 91, 111902.	1.5	50
224	Thin-Film Thermoelectric Cooler: Thermodynamic Modelling and its Temperature-entropy Flux Formulation. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2007, 221, 33-46.	1.4	9
225	Theoretical Insight of Physical Adsorption for a Single Component Adsorbent+Adsorbate System. , 2007, , 503.		2
226	Adsorption Rate of Ethanol on Activated Carbon Fiber. Journal of Chemical & Engineering Data, 2006, 51, 1587-1592.	1.0	42
227	On the thermodynamic modeling of the isosteric heat of adsorption and comparison with experiments. Applied Physics Letters, 2006, 89, 171901.	1.5	118
228	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
229	Thermodynamic formulation of temperature-entropy diagram for the transient operation of a pulsed thermoelectric cooler. International Journal of Heat and Mass Transfer, 2006, 49, 1845-1850.	2.5	34
230	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
231	New pool boiling data for water with copper-foam metal at sub-atmospheric pressures: Experiments and correlation. Applied Thermal Engineering, 2006, 26, 1286-1290.	3.0	68
232	Study on a dual-mode, multi-stage, multi-bed regenerative adsorption chiller. Renewable Energy, 2006, 31, 2076-2090.	4.3	65
233	Experimental investigation of activated carbon fibers/ethanol pairs for adsorption cooling system application. Applied Thermal Engineering, 2006, 26, 859-865.	3.0	126
234	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

#	ARTICLE	IF	CITATIONS
235	Thermodynamic modelling of a solid state thermoelectric cooling device: Temperature-entropy analysis. International Journal of Heat and Mass Transfer, 2006, 49, 3547-3554.	2.5	70
236	The Electro-Adsorption Chiller: Performance Rating of a Novel Miniaturized Cooling Cycle for Electronics Cooling. Journal of Heat Transfer, 2006, 128, 889-896.	1.2	28
237	Performance modelling of an electro-adsorption chiller. Philosophical Magazine, 2006, 86, 3613-3632.	0.7	27
238	Performance Testing of Ammonia Scrubbing System. , 2005, , 405.		2
239	Experimental Investigation of an Electro-Adsorption Chiller. , 2005, , 57.		3
240	Experimental investigation of silica gel-water adsorption chillers with and without a passive heat recovery scheme. International Journal of Refrigeration, 2005, 28, 756-765.	1.8	77
241	Experimental investigation of an adsorption desalination plant using low-temperature waste heat. Applied Thermal Engineering, 2005, 25, 2780-2789.	3.0	141
242	Thermodynamic methods for performance analysis of chillers. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2005, 219, 109-116.	1.4	9
243	Experimental Investigations of the Adsorption of NH ₃ on Silica Gel-Based Adsorbent. , 2005, , 13.		0
244	Transient modeling of a two-bed silica gel-water adsorption chiller. International Journal of Heat and Mass Transfer, 2004, 47, 659-669.	2.5	162
245	Thermodynamic Tools for Chiller Diagnostics and Optimization. Heat Transfer Engineering, 2004, 25, 1-4.	1.2	13
246	Compact nonimaging infrared systems for decondensing 2000 m ² of spectator glazing at the Singapore Kranji racetrack. , 2004, 5185, 109.		0
247	Waste heat driven dual-mode, multi-stage, multi-bed regenerative adsorption system. International Journal of Refrigeration, 2003, 26, 749-757.	1.8	210
248	Recent Developments in Heat-Driven Silica Gel-Water Adsorption Chillers. Heat Transfer Engineering, 2003, 24, 1-3.	1.2	28
249	Temperature-entropy diagrams for multi-stage thermoelectric coolers. Semiconductor Science and Technology, 2003, 18, 273-277.	1.0	5
250	Thermodynamic Property Fields of an Adsorbate-Adsorbent System. Langmuir, 2003, 19, 2254-2259.	1.6	20
251	Temperature-entropy diagrams for multi-stage thermoelectric coolers. Semiconductor Science and Technology, 2003, 18, 1055-1055.	1.0	0
252	Temperature-entropy formulation of thermoelectric thermodynamic cycles. Physical Review E, 2002, 65, 056111.	0.8	31

#	ARTICLE	IF	CITATIONS
253	Adsorption Characteristics of Silica Gel + Water Systems. Journal of Chemical & Engineering Data, 2002, 47, 1177-1181.	1.0	223
254	Optimization of two-stage thermoelectric coolers with two design configurations. Energy Conversion and Management, 2002, 43, 2041-2052.	4.4	57
255	A distributed model for a tedlar-foil flat plate solar collector. Renewable Energy, 2002, 27, 507-523.	4.3	12
256	Thermodynamic modeling of an ammonia-water absorption chiller. International Journal of Refrigeration, 2002, 25, 896-906.	1.8	47
257	The electro-adsorption chiller: a miniaturized cooling cycle with applications to micro-electronics. International Journal of Refrigeration, 2002, 25, 1025-1033.	1.8	47
258	On minimizing the heat leak of current leads in cryogenic vacuum systems. Cryogenics, 2002, 42, 779-785.	0.9	8
259	A general model for studying effects of interface layers on thermoelectric devices performance. International Journal of Heat and Mass Transfer, 2002, 45, 5159-5170.	2.5	71
260	Experimental and numerical study on a miniature Joule-Thomson cooler for steady-state characteristics. International Journal of Heat and Mass Transfer, 2002, 45, 609-618.	2.5	47
261	Optimization and thermodynamic understanding of conduction-cooled Peltier current leads. Cryogenics, 2002, 42, 141-145.	0.9	19
262	The maximum temperature difference and polar characteristic of two-stage thermoelectric coolers. Cryogenics, 2002, 42, 273-278.	0.9	116
263	Multi-bed regenerative adsorption chiller 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
264	Experimental investigation of the silica gel-water adsorption isotherm characteristics. Applied Thermal Engineering, 2001, 21, 1631-1642.	3.0	289
265	Performance evaluation of the recuperative heat exchanger in a miniature Joule-Thomson cooler. Applied Thermal Engineering, 2001, 21, 1829-1844.	3.0	35
266	General thermodynamic framework for understanding temperature-entropy diagram of batchwise operating thermodynamic cooling cycles. Journal of Applied Physics, 2001, 89, 5151-5158.	1.1	11
267	Improved thermodynamic property fields of LiBr-H ₂ O solution. International Journal of Refrigeration, 2000, 23, 412-429.	1.8	112
268	A general thermodynamic framework for understanding the behaviour of absorption chillers. International Journal of Refrigeration, 2000, 23, 491-507.	1.8	28
269	High-efficiency solar cooling. Solar Energy, 2000, 68, 23-31.	2.9	41
270	How varying condenser coolant flow rate affects chiller performance: thermodynamic modeling and experimental confirmation. Applied Thermal Engineering, 2000, 20, 1149-1159.	3.0	29

#	ARTICLE	IF	CITATIONS
271	Temperature-entropy diagram for an irreversible absorption refrigeration cycle. <i>Journal of Applied Physics</i> , 2000, 88, 446-452.	1.1	4
272	Outdoor testing of evacuated-tube heat-pipe solar collectors. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2000, 214, 23-30.	1.4	19
273	Modeling the performance of two-bed, silica gel-water adsorption chillers. <i>International Journal of Refrigeration</i> , 1999, 22, 194-204.	1.8	232
274	Thermodynamic Modeling of Absorption Chiller and Comparison with Experiments. <i>Heat Transfer Engineering</i> , 1999, 20, 42-51.	1.2	15
275	Simple thermodynamic diagrams for real refrigeration systems. <i>Journal of Applied Physics</i> , 1999, 85, 641-646.	1.1	4
276	Thermodynamic analysis of absorption chillers: internal dissipation and process average temperature. <i>Applied Thermal Engineering</i> , 1998, 18, 671-682.	3.0	27
277	Entropy generation analysis of two-bed, silica gel-water, non-regenerative adsorption chillers. <i>Journal Physics D: Applied Physics</i> , 1998, 31, 1471-1477.	1.3	40
278	The role of internal dissipation and process average temperature in chiller performance and diagnostics. <i>Journal of Applied Physics</i> , 1998, 83, 1831-1836.	1.1	23
279	Diagnostics and optimization of reciprocating chillers: theory and experiment. <i>Applied Thermal Engineering</i> , 1997, 17, 263-276.	3.0	45
280	On the modeling of absorption chillers with external and internal irreversibilities. <i>Applied Thermal Engineering</i> , 1997, 17, 413-425.	3.0	17
281	Optimizing chiller operation based on finite-time thermodynamics: universal modeling and experimental confirmation. <i>International Journal of Refrigeration</i> , 1997, 20, 191-200.	1.8	51
282	Entropy production analysis and experimental confirmation of absorption systems. <i>International Journal of Refrigeration</i> , 1997, 20, 179-190.	1.8	23
283	Experimental study of the fundamental properties of reciprocating chillers and their relation to thermodynamic modeling and chiller design. <i>International Journal of Heat and Mass Transfer</i> , 1996, 39, 2195-2204.	2.5	49
284	Predictive and diagnostic aspects of a universal thermodynamic model for chillers. <i>International Journal of Heat and Mass Transfer</i> , 1995, 38, 807-818.	2.5	85
285	A general thermodynamic model for absorption chillers: Theory and experiment. <i>Heat Recovery Systems & CHP</i> , 1995, 15, 73-83.	0.4	54
286	Centrifugal chillers: Thermodynamic modelling and a diagnostic case study. <i>International Journal of Refrigeration</i> , 1995, 18, 253-257.	1.8	108
287	Thermodynamic modeling of reciprocating chillers. <i>Journal of Applied Physics</i> , 1994, 75, 2769-2774.	1.1	107
288	Theoretical and experimental analysis of an absorption chiller. <i>International Journal of Refrigeration</i> , 1994, 17, 351-358.	1.8	14

#	ARTICLE	IF	CITATIONS
289	Transient Modeling of a Lithium Bromide “ Water Absorption Chiller. Applied Mechanics and Materials, 0, 388, 83-90.	0.2	4
290	Adsorption Cycle and Its Hybrid with Multi-Effect Desalination. , 0, , .		1
291	Numerical Investigation of Heat Transfer Enhancement in Adsorbed Natural Gas Storage under the Dynamic Conditions. Applied Mechanics and Materials, 0, 819, 107-110.	0.2	0
292	Experimental Investigation of Multijunction Solar Cell Using Two Axis Solar Tracker. Applied Mechanics and Materials, 0, 819, 536-540.	0.2	17
293	Binder Influence on the Water Adsorption Uptake of Silica Gel. Applied Mechanics and Materials, 0, 819, 176-180.	0.2	3
294	Low Temperature Waste Heat Driven Refrigeration Cycle. Applied Mechanics and Materials, 0, 819, 241-244.	0.2	0
295	An Improved Cost Apportionment for Desalination Combined with Power Plant: An Exergetic Analyses. Applied Mechanics and Materials, 0, 819, 530-535.	0.2	4
296	Experimental Study of a Laminar Flow Solid Desiccant Dehumidifier Driven by a Low Temperature Heat Source. Applied Mechanics and Materials, 0, 819, 361-365.	0.2	2
297	Multicell Design for Concentrated Photovoltaic (CPV) Module. , 0, , .		1
298	Development of Falling Film Heat Transfer Coefficient for Industrial Chemical Processes Evaporator Design. , 0, , .		1
299	Concentrated Photovoltaic (CPV): Hydrogen Design Methodology and Optimization. , 0, , .		3
300	Desalination with Renewable Energy: A 24 Hours Operation Solution. , 0, , .		2
301	A Novel Low-Temperature Thermal Desalination Technology Using Direct-Contact Spray Method. , 0, , .		3
302	Exergoeconomic and Normalized Sensitivity Analysis of Plate Heat Exchangers: A Theoretical Framework with Application. , 0, , .		1
303	Transport analysis of an air gap membrane distillation (AGMD) process. , 0, 42, 333-346.		0
304	A Green Thermally-Driven Seawater Desalination System: Proof of Concept and Vision for Future Sustainability. SSRN Electronic Journal, 0, , .	0.4	0
305	Innovative Solid Desiccant Dehumidification Using Distributed Microwaves. SSRN Electronic Journal, 0, , .	0.4	0
306	A Thermally-Driven Seawater Desalination System: Proof of Concept and Vision for Future Sustainability. SSRN Electronic Journal, 0, , .	0.4	0

#	ARTICLE	IF	CITATIONS
307	Direct Contact Heat and Mass Exchanger for Heating, Cooling, Humidification, and Dehumidification. , 0, , .		1
308	Performance Evaluation of Desalination Technologies at Common Energy Platform. , 0, , .		0
309	Parametric Analysis of a Universal Isotherm Model to Tailor Characteristics of Solid Desiccants for Dehumidification. Frontiers in Energy Research, 0, 10, .	1.2	1