

Kim Choon Ng

List of Publications by Year in descending order

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309
papers

12,385
citations

22153

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38395

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317
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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.	3.6	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.	10.1	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.	2.7	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.	5.7	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.	5.1	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.	7.1	12
7	A spatiotemporal indirect evaporative cooler enabled by transiently interceding water mist. <i>Energy</i> , 2021, 217, 119352.	8.8	38
8	Advances in Air Conditioning Technologies. <i>Green Energy and Technology</i> , 2021, , .	0.6	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.	10.3	7
10	Experimental Investigations of a Solar Water Treatment System for Remote Desert Areas of Pakistan. <i>Water (Switzerland)</i> , 2021, 13, 1070.	2.7	8
11	A zero liquid discharge system integrating multi-effect distillation and evaporative crystallization for desalination brine treatment. <i>Desalination</i> , 2021, 502, 114928.	8.2	59
12	A thermodynamic platform for evaluating the energy efficiency of combined power generation and desalination plants. <i>Npj Clean Water</i> , 2021, 4, .	8.0	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.	5.6	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.	8.8	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.	2.7	3
16	A spray-assisted multi-effect distillation system driven by ocean thermocline energy. <i>Energy Conversion and Management</i> , 2021, 245, 114570.	9.2	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.	9.2	30
18	An ocean thermocline desalination system using the direct spray method. <i>Desalination</i> , 2021, 520, 115373.	8.2	6

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19	Present State of Cooling, Energy Consumption and Sustainability. <i>Green Energy and Technology</i> , 2021, , 1-15.	0.6	3
20	A novel zero-liquid discharge desalination system based on the humidification-dehumidification process: A preliminary study. <i>Water Research</i> , 2021, 207, 117794.	11.3	16
21	Future of Air Conditioning. <i>Green Energy and Technology</i> , 2021, , 17-52.	0.6	0
22	Dew-Point Evaporative Cooling Systems. <i>Green Energy and Technology</i> , 2021, , 53-130.	0.6	1
23	Adsorbent-Coated Heat and Mass Exchanger. <i>Green Energy and Technology</i> , 2021, , 131-166.	0.6	0
24	Liquid Desiccant Air-Conditioning Systems. <i>Green Energy and Technology</i> , 2021, , 167-224.	0.6	0
25	Membrane Air Dehumidification. <i>Green Energy and Technology</i> , 2021, , 225-255.	0.6	0
26	Dissipative Losses in Cooling Cycles. <i>Green Energy and Technology</i> , 2021, , 257-275.	0.6	0
27	Efficacy Comparison for Cooling Cycles. <i>Green Energy and Technology</i> , 2021, , 277-289.	0.6	0
28	Thermo-Economic Analysis for Cooling Cycles. <i>Green Energy and Technology</i> , 2021, , 291-305.	0.6	0
29	An investigation into the efficiency of biocides in controlling algal biofouling in seawater industrial cooling towers. <i>Environmental Engineering Research</i> , 2021, 26, 190397-0.	2.5	2
30	Hollow spherical SiO ₂ micro-container encapsulation of LiCl for high-performance simultaneous heat reallocation and seawater desalination. <i>Journal of Materials Chemistry A</i> , 2020, 8, 1887-1895.	10.3	53
31	Pilot studies on synergetic impacts of energy utilization in hybrid desalination system: Multi-effect distillation and adsorption cycle (MED-AD). <i>Desalination</i> , 2020, 477, 114266.	8.2	80
32	Molecular engineering of high-performance nanofiltration membranes from intrinsically microporous poly(ether-ether-ketone). <i>Journal of Materials Chemistry A</i> , 2020, 8, 24445-24454.	10.3	34
33	NEXARTM-coated hollow fibers for air dehumidification. <i>Journal of Membrane Science</i> , 2020, 614, 118450.	8.2	18
34	Fresh water production by membrane distillation (MD) using marine engine's waste heat. <i>Sustainable Energy Technologies and Assessments</i> , 2020, 42, 100860.	2.7	9
35	A self-sustainable solar desalination system using direct spray technology. <i>Energy</i> , 2020, 205, 118037.	8.8	30
36	Simultaneous production of cooling and freshwater by an integrated indirect evaporative cooling and humidification-dehumidification desalination cycle. <i>Energy Conversion and Management</i> , 2020, 221, 113169.	9.2	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.	6.0	23
38	Thermo-economic analysis and optimization of a vacuum multi-effect membrane distillation system. Desalination, 2020, 483, 114413.	8.2	44
39	A Universal Mathematical Methodology in Characterization of Materials for Tailored Design of Porous Surfaces. Frontiers in Chemistry, 2020, 8, 601132.	3.6	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.	4.2	4
41	A Universal Theoretical Framework in Material Characterization for Tailored Porous Surface Design. Scientific Reports, 2019, 9, 8773.	3.3	19
42	Design of Industrial Falling Film Evaporators. , 2019, , .		2
43	An improved indirect evaporative cooler experimental investigation. Applied Energy, 2019, 256, 113934.	10.1	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.	2.2	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.	4.5	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.	2.7	23
49	An innovative pressure swing adsorption cycle. AIP Conference Proceedings, 2019, , .	0.4	7
50	Concentrated Photovoltaic (CPV): From Deserts to Rooftops. Lecture Notes in Energy, 2019, , 93-111.	0.3	3
51	Concentrated Photovoltaic (CPV) for Rooftopâ€”Compact System Approach. Energy, Environment, and Sustainability, 2019, , 157-174.	1.0	2
52	Renewable Energy Storage and Its Application for Desalination. Energy, Environment, and Sustainability, 2019, , 313-329.	1.0	0
53	Approaches to energy efficiency in air conditioning: A comparative study on purge configurations for indirect evaporative cooling. Energy, 2019, 168, 505-515.	8.8	34
54	A standard primary energy approach for comparing desalination processes. Npj Clean Water, 2019, 2, .	8.0	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.	0.3	1
56	Optimization Strategy of Sustainable Concentrated Photovoltaic Thermal (CPVT) System for Cooling. Energy, Environment, and Sustainability, 2019, , 255-275.	1.0	1
57	A 3D Photothermal Structure toward Improved Energy Efficiency in Solar Steam Generation. Joule, 2018, 2, 1171-1186.	24.0	527
58	Desalination processes evaluation at common platform: A universal performance ratio (UPR) method. Applied Thermal Engineering, 2018, 134, 62-67.	6.0	64
59	Hydrogen at the rooftop: Compact CPV-hydrogen system to convert sunlight to hydrogen. Applied Thermal Engineering, 2018, 132, 154-164.	6.0	32
60	A pathway for sustainable conversion of sunlight to hydrogen using proposed compact CPV system. Energy Conversion and Management, 2018, 165, 102-112.	9.2	31
61	A multi evaporator desalination system operated with thermocline energy for future sustainability. Desalination, 2018, 435, 268-277.	8.2	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.	5.8	17
63	Sustainable desalination using ocean thermocline energy. Renewable and Sustainable Energy Reviews, 2018, 82, 240-246.	16.4	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.	2.6	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.	1.9	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.	1.9	11
72	Selected Papers from the 6th International Meeting on Advanced Thermofluids (IMAT2013). Heat Transfer Engineering, 2017, 38, 387-388.	1.9	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, .	2.6	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.	1.7	21
75	Energy-water-environment nexus underpinning future desalination sustainability. <i>Desalination</i> , 2017, 413, 52-64.	8.2	512
76	An Improved Multievaporator Adsorption Desalination Cycle for Gulf Cooperation Council Countries. <i>Energy Technology</i> , 2017, 5, 1663-1669.	3.8	23
77	Pushing desalination recovery to the maximum limit: Membrane and thermal processes integration. <i>Desalination</i> , 2017, 416, 54-64.	8.2	87
78	An exergy approach to efficiency evaluation of desalination. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	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.	10.1	58
80	A thermodynamic perspective to study energy performance of vacuum-based membrane dehumidification. <i>Energy</i> , 2017, 132, 106-115.	8.8	51
81	Experimental investigation of a mechanical vapour compression chiller at elevated chilled water temperatures. <i>Applied Thermal Engineering</i> , 2017, 123, 226-233.	6.0	26
82	Evaluation of a dehumidifier with adsorbent coated heat exchangers for tropical climate operations. <i>Energy</i> , 2017, 137, 441-448.	8.8	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.	7.1	42
84	A Universal Isotherm Model to Capture Adsorption Uptake and Energy Distribution of Porous Heterogeneous Surface. <i>Scientific Reports</i> , 2017, 7, 10634.	3.3	130
85	Long-term performance potential of concentrated photovoltaic (CPV) systems. <i>Energy Conversion and Management</i> , 2017, 148, 90-99.	9.2	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.	6.0	30
87	Aquifer Treatment of Sea Water to Remove Natural Organic Matter Before Desalination. <i>Ground Water</i> , 2017, 55, 316-326.	1.3	8
88	Performance investigation on a 4-bed adsorption desalination cycle with internal heat recovery scheme. <i>Desalination</i> , 2017, 402, 88-96.	8.2	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.	6.7	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.	11.3	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.	6.1	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.	8.2	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.	7.1	37
96	Unsteady-state analysis of a counter-flow dew point evaporative cooling system. <i>Energy</i> , 2016, 113, 172-185.	8.8	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.	4.8	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.	2.1	21
101	Future sustainable desalination using waste heat: kudos to thermodynamic synergy. <i>Environmental Science: Water Research and Technology</i> , 2016, 2, 206-212.	2.4	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.	8.8	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.	9.2	42
105	Study on dew point evaporative cooling system with counter-flow configuration. <i>Energy Conversion and Management</i> , 2016, 109, 153-165.	9.2	88
106	Recent development in thermally activated desalination methods: achieving an energy efficiency less than 2.5 kWh/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.	6.0	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.	6.0	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.	4.8	93
110	Synthesis of porous Cu-BTC with ultrasonic treatment: Effects of ultrasonic power and solvent condition. Ultrasonics Sonochemistry, 2016, 29, 186-193.	8.2	52
111	Water vapor permeation and dehumidification performance of poly(vinyl alcohol)/lithium chloride composite membranes. Journal of Membrane Science, 2016, 498, 254-262.	8.2	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.	0.8	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.	0.6	6
114	An Adsorption Equilibria Model for Steady State Analysis. International Journal of Technology, 2016, 7, 274.	0.8	1
115	Development and performance analysis of a two-axis solar tracker for concentrated photovoltaics. International Journal of Energy Research, 2015, 39, 965-976.	4.5	42
116	Experimental and modeling analysis of membrane-based air dehumidification. Separation and Purification Technology, 2015, 144, 114-122.	7.9	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.	2.6	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.	9.2	90
119	An experimental investigation on MEDAD hybrid desalination cycle. Applied Energy, 2015, 148, 273-281.	10.1	105
120	Performance investigation of an advanced multi-effect adsorption desalination (MEAD) cycle. Applied Energy, 2015, 159, 469-477.	10.1	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.	8.2	149
122	EXPERIMENTAL INVESTIGATION OF A SMALL-SCALE THERMALLY DRIVEN PRESSURIZED ADSORPTION CHILLER. Heat Transfer Research, 2015, 46, 311-332.	1.6	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.	0.5	4
124	Adsorption characteristics of water vapor on ferroaluminophosphate for desalination cycle. Desalination, 2014, 344, 350-356.	8.2	57
125	Pressurized adsorption cooling cycles driven by solar/waste heat. Applied Thermal Engineering, 2014, 67, 106-113.	6.0	21
126	Renewable energy-driven innovative energy-efficient desalination technologies. Applied Energy, 2014, 136, 1155-1165.	10.1	240

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127	Water quality assessment of solar-assisted adsorption desalination cycle. Desalination, 2014, 344, 144-151.	8.2	51
128	Multi effect desalination and adsorption desalination (MEDAD): A hybrid desalination method. Applied Thermal Engineering, 2014, 72, 289-297.	6.0	165
129	Organic Brayton Cycles with solid sorption thermal compression for low grade heat utilization. Applied Thermal Engineering, 2014, 62, 171-175.	6.0	12
130	Adsorption kinetics of propane on energetically heterogeneous activated carbon. Applied Thermal Engineering, 2014, 72, 206-210.	6.0	2
131	Adsorption characteristics of methane on Maxsorb III by gravimetric method. Applied Thermal Engineering, 2014, 72, 200-205.	6.0	42
132	Studying the performance of an improved dew-point evaporative design for cooling application. Applied Thermal Engineering, 2014, 63, 624-633.	6.0	55
133	Performance evaluation of a zeolite water adsorption chiller with entropy analysis of thermodynamic insight. Applied Energy, 2014, 130, 702-711.	10.1	75
134	A synergetic hybridization of adsorption cycle with the multi-effect distillation (MED). Applied Thermal Engineering, 2014, 62, 245-255.	6.0	38
135	An Emerging Hybrid Multi-Effect Adsorption Desalination System. Evergreen, 2014, 1, 30-36.	0.5	9
136	Formulation of Water Equilibrium Uptakes on Silica Gel and Ferroaluminophosphate Zeolite for Adsorption Cooling and Desalination Applications. Evergreen, 2014, 1, 37-45.	0.5	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.	6.0	36
139	A hybrid multi-effect distillation and adsorption cycle. Applied Energy, 2013, 104, 810-821.	10.1	95
140	Experimental investigation on the optimal performance of Zeolite water adsorption chiller. Applied Energy, 2013, 102, 582-590.	10.1	100
141	Thermo-physical properties of silica gel for adsorption desalination cycle. Applied Thermal Engineering, 2013, 50, 1596-1602.	6.0	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.	6.0	10
144	Entropy generation analysis of an adsorption cooling cycle. International Journal of Heat and Mass Transfer, 2013, 60, 143-155.	4.8	38

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145	On the Thermodynamics of Refrigerant + Heterogeneous Solid Surfaces Adsorption. Langmuir, 2013, 29, 14494-14502.	3.5	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.	4.8	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.	8.2	94
149	Adsorption desalination: An emerging low-cost thermal desalination method. Desalination, 2013, 308, 161-179.	8.2	252
150	Study on activated carbon/HFO-1234ze(E) based adsorption cooling cycle. Applied Thermal Engineering, 2013, 50, 1570-1575.	6.0	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.	6.0	40
152	Performance investigation of a solar-assisted direct contact membrane distillation system. Journal of Membrane Science, 2013, 427, 345-364.	8.2	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.	1.9	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.	2.5	10
160	Thermodynamic Property Slopes from Primary Measurements. International Journal of Mechanical Engineering Education, 2012, 40, 79-91.	1.0	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.	1.9	35
165	Entropy generation minimization: A practical approach for performance evaluation of temperature cascaded co-generation plants. Energy, 2012, 46, 493-521.	8.8	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.	3.2	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.	1.9	3
169	On thermodynamics of methane+carbonaceous materials adsorption. International Journal of Heat and Mass Transfer, 2012, 55, 565-573.	4.8	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.	6.0	38
171	Study on a waste heat-driven adsorption cooling cum desalination cycle. International Journal of Refrigeration, 2012, 35, 685-693.	3.4	151
172	Thermal analysis and performance optimization of a solar hot water plant with economic evaluation. Solar Energy, 2012, 86, 1378-1395.	6.1	55
173	A corresponding states treatment of the liquid-vapor saturation line. Journal of Chemical Thermodynamics, 2012, 44, 97-101.	2.0	10
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