

Takahiko Miyazaki

List of Publications by Year in descending order

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175
papers

3,518
citations

159358

30
h-index

168136

53
g-index

179
all docs

179
docs citations

179
times ranked

2051
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy savings of office buildings by the use of semi-transparent solar cells for windows. <i>Renewable Energy</i> , 2005, 30, 281-304.	4.3	231
2	An overview of solid desiccant dehumidification and air conditioning systems. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 46, 16-29.	8.2	196
3	Overview of the Maisotsenko cycle “A way towards dew point evaporative cooling. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 66, 537-555.	8.2	160
4	A new cycle time allocation for enhancing the performance of two-bed adsorption chillers. <i>International Journal of Refrigeration</i> , 2009, 32, 846-853.	1.8	112
5	The effects of solar chimneys on thermal load mitigation of office buildings under the Japanese climate. <i>Renewable Energy</i> , 2006, 31, 987-1010.	4.3	110
6	Optimization of adsorption isotherm types for desiccant air-conditioning applications. <i>Renewable Energy</i> , 2018, 121, 441-450.	4.3	104
7	A combined power cycle using refuse incineration and LNG cold energy. <i>Energy</i> , 2000, 25, 639-655.	4.5	95
8	Equilibrium and kinetics of CO ₂ adsorption onto activated carbon. <i>International Journal of Heat and Mass Transfer</i> , 2017, 108, 1941-1946.	2.5	90
9	Adsorption of ethanol onto parent and surface treated activated carbon powders. <i>International Journal of Heat and Mass Transfer</i> , 2014, 73, 445-455.	2.5	89
10	A study on consolidated composite adsorbents for cooling application. <i>Applied Thermal Engineering</i> , 2016, 98, 1214-1220.	3.0	85
11	Double-sided delta-wing tape inserts to enhance convective heat transfer and fluid flow characteristics of a double-pipe heat exchanger. <i>Applied Thermal Engineering</i> , 2018, 145, 27-37.	3.0	84
12	The cooling performance of a building integrated evaporative cooling system driven by solar energy. <i>Energy and Buildings</i> , 2011, 43, 2211-2218.	3.1	78
13	Adsorption of ethanol onto phenol resin based adsorbents for developing next generation cooling systems. <i>International Journal of Heat and Mass Transfer</i> , 2015, 81, 171-178.	2.5	78
14	Ethanol adsorption onto metal organic framework: Theory and experiments. <i>Energy</i> , 2015, 79, 363-370.	4.5	74
15	Experimental investigation of CO ₂ adsorption onto a carbon based consolidated composite adsorbent for adsorption cooling application. <i>Applied Thermal Engineering</i> , 2016, 109, 304-311.	3.0	69
16	Recent updates on the adsorption capacities of adsorbent-adsorbate pairs for heat transformation applications. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 119, 109630.	8.2	68
17	Water vapor sorption kinetics of polymer based sorbents: Theory and experiments. <i>Applied Thermal Engineering</i> , 2016, 106, 192-202.	3.0	66
18	Adsorption characteristics of ethanol onto functional activated carbons with controlled oxygen content. <i>Applied Thermal Engineering</i> , 2014, 72, 211-218.	3.0	64

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19	Steady-state investigation of water vapor adsorption for thermally driven adsorption based greenhouse air-conditioning system. <i>Renewable Energy</i> , 2016, 86, 785-795.	4.3	63
20	The influence of heat exchanger parameters on the optimum cycle time of adsorption chillers. <i>Applied Thermal Engineering</i> , 2009, 29, 2708-2717.	3.0	57
21	Enhancing the thermal performance of TiO ₂ /water nanofluids flowing in a helical microfin tube. <i>Powder Technology</i> , 2020, 376, 254-262.	2.1	52
22	Insights of water vapor sorption onto polymer based sorbents. <i>Adsorption</i> , 2015, 21, 205-215.	1.4	45
23	Ethanol adsorption uptake and kinetics onto waste palm trunk and mangrove based activated carbons. <i>Applied Thermal Engineering</i> , 2017, 122, 389-397.	3.0	44
24	Heat Transfer Enhancement of TiO ₂ /Water Nanofluid at Laminar and Turbulent Flows: A Numerical Approach for Evaluating the Effect of Nanoparticle Loadings. <i>Energies</i> , 2018, 11, 1584.	1.6	44
25	The performance analysis of a novel dual evaporator type three-bed adsorption chiller. <i>International Journal of Refrigeration</i> , 2010, 33, 276-285.	1.8	41
26	Performance evaluation of hydrophilic organic polymer sorbents for desiccant air-conditioning applications. <i>Adsorption Science and Technology</i> , 2018, 36, 311-326.	1.5	40
27	Numerical analysis of an advanced three-bed mass recovery adsorption refrigeration cycle. <i>Applied Thermal Engineering</i> , 2009, 29, 2876-2884.	3.0	38
28	Thermal hydraulic characteristics of turbulent single-phase flow in an enhanced tube using louvered strip insert with various slant angles. <i>International Journal of Thermal Sciences</i> , 2018, 134, 355-362.	2.6	36
29	Enhancing water adsorption capacity of acorn nutshell based activated carbon for adsorption thermal energy storage application. <i>Energy Reports</i> , 2020, 6, 255-263.	2.5	34
30	The life cycle climate performance evaluation of low-GWP refrigerants for domestic heat pumps. <i>International Journal of Refrigeration</i> , 2021, 121, 33-42.	1.8	33
31	Refrigerant distribution in horizontal headers with downward minichannel-branching conduits: Experiment, empirical correlation and two-phase flow pattern map. <i>Experimental Thermal and Fluid Science</i> , 2017, 81, 430-444.	1.5	32
32	A review of recent advances in adsorption desalination technologies. <i>International Communications in Heat and Mass Transfer</i> , 2021, 128, 105594.	2.9	30
33	Effect of wing-pitch ratio of double-sided delta-wing tape insert on the improvement of convective heat transfer. <i>International Journal of Thermal Sciences</i> , 2020, 151, 106261.	2.6	29
34	Performance Comparison of Three-Bed Adsorption Cooling System With Optimal Cycle Time Setting. <i>Heat Transfer Engineering</i> , 2013, 34, 938-947.	1.2	28
35	CFD simulation and experimental validation of ethanol adsorption onto activated carbon packed heat exchanger. <i>International Journal of Refrigeration</i> , 2017, 74, 345-353.	1.8	28
36	Heat Transfer Enhancement of TiO ₂ /Water Nanofluids Flowing Inside a Square Minichannel with a Microfin Structure: A Numerical Investigation. <i>Energies</i> , 2019, 12, 3041.	1.6	28

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37	Characterization of silica gel-based composites for adsorption cooling applications. <i>International Journal of Refrigeration</i> , 2020, 118, 345-353.	1.8	28
38	Significance of Temperature and Humidity Control for Agricultural Products Storage: Overview of Conventional and Advanced Options. <i>International Journal of Food Engineering</i> , 2019, 15, .	0.7	27
39	High Performance Cascading Adsorption Refrigeration Cycle with Internal Heat Recovery Driven by a Low Grade Heat Source Temperature. <i>Energies</i> , 2009, 2, 1170-1191.	1.6	25
40	Carbon from Bagasse Activated with Water Vapor and Its Adsorption Performance for Methylene Blue. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 678.	1.3	25
41	Performance Analysis of a Double-effect Adsorption Refrigeration Cycle with a Silica Gel/Water Working Pair. <i>Energies</i> , 2010, 3, 1704-1720.	1.6	24
42	Solid desiccant dehumidification-based air-conditioning system for agricultural storage application: Theory and experiments. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2020, 234, 534-547.	0.8	24
43	Risk hedging against the fuel price fluctuation in energy service business. <i>Energy</i> , 2007, 32, 2051-2060.	4.5	23
44	Performance analysis of air cycle refrigerator integrated desiccant system for cooling and dehumidifying warehouse. <i>International Journal of Refrigeration</i> , 2008, 31, 189-196.	1.8	23
45	Drop-in experiments and exergy assessment of HFC-32/HFO-1234yf/R744 mixture with GWP below 150 for domestic heat pumps. <i>International Journal of Refrigeration</i> , 2021, 121, 289-301.	1.8	23
46	Adsorption of Difluoromethane (HFC-32) onto phenol resin based adsorbent: Theory and experiments. <i>International Journal of Heat and Mass Transfer</i> , 2018, 127, 348-356.	2.5	22
47	Investigating Applicability of Evaporative Cooling Systems for Thermal Comfort of Poultry Birds in Pakistan. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4445.	1.3	22
48	V-cut twisted tape insert effect on heat transfer enhancement of single phase turbulent flow heat exchanger. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	21
49	Liquidâ€“vapor phase distribution in horizontal headers with upward minichannel-branching conduits. <i>Experimental Thermal and Fluid Science</i> , 2016, 76, 264-274.	1.5	20
50	Note on refrigerant R134a flow maldistribution in a header type evaporator. <i>International Journal of Refrigeration</i> , 2018, 95, 1-9.	1.8	19
51	Experiments on Energy-Efficient Evaporative Cooling Systems for Poultry Farm Application in Multan (Pakistan). <i>Sustainability</i> , 2021, 13, 2836.	1.6	19
52	Design and Performance of an Innovative Four-Bed, Three-Stage Adsorption Cycle. <i>Energies</i> , 2013, 6, 1365-1384.	1.6	18
53	Corrected adsorption rate model of activated carbonâ€“ethanol pair by means of CFD simulation. <i>International Journal of Refrigeration</i> , 2016, 71, 60-68.	1.8	18
54	Analysis of heat and mass transfer characteristics of desiccant dehumidifier system with honeycomb configuration. <i>Applied Thermal Engineering</i> , 2018, 144, 658-669.	3.0	18

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55	A hybrid power cycle using an inverted Brayton cycle with an indirect evaporative device for waste-heat recovery. Applied Thermal Engineering, 2020, 170, 115029.	3.0	18
56	Thermodynamic modeling of an improved transcritical carbon dioxide cycle with ejector: Aiming low-temperature refrigeration. Applied Thermal Engineering, 2021, 188, 116531.	3.0	18
57	A novel hybrid adsorption heat transformer & multi-effect distillation (AHT-MED) system for improved performance and waste heat upgrade. Applied Energy, 2022, 305, 117744.	5.1	18
58	Experimental Investigation of a Three-Bed Adsorption Refrigeration Chiller Employing an Advanced Mass Recovery Cycle. Energies, 2009, 2, 531-544.	1.6	17
59	Impact of Blockage Ratio on Thermal Performance of Delta-Winglet Vortex Generators. Applied Sciences (Switzerland), 2018, 8, 181.	1.3	17
60	Study on Desiccant and Evaporative Cooling Systems for Livestock Thermal Comfort: Theory and Experiments. Energies, 2020, 13, 2675.	1.6	17
61	Development of biomass based-activated carbon for adsorption dehumidification. Energy Reports, 2021, 7, 5871-5884.	2.5	17
62	SIMULATION ANALYSIS OF AN OPEN-CYCLE ADSORPTION AIR CONDITIONING SYSTEM - NUMERICAL MODELING OF A FIXED BED DEHUMIDIFICATION UNIT AND THE MAISOTSENKO CYCLE COOLING UNIT. International Journal of Energy for A Clean Environment, 2011, 12, 341-354.	0.6	16
63	Experimental evaluation of desiccant dehumidification and air-conditioning system for energy-efficient storage of dried fruits. Building Services Engineering Research and Technology, 2020, 41, 454-465.	0.9	16
64	Experimental Investigation of Desiccant Dehumidification Cooling System for Climatic Conditions of Multan (Pakistan). Energies, 2020, 13, 5530.	1.6	16
65	Steady-state Analysis on Thermally Driven Adsorption Air-conditioning System for Agricultural Greenhouses. Procedia Engineering, 2015, 118, 185-192.	1.2	15
66	Energy-Efficient Air-Conditioning Systems for Nonhuman Applications. , 2017, , .		15
67	Numerical Investigation of Small-Scale Adsorption Cooling System Performance Employing Activated Carbon-Ethanol Pair. Energies, 2018, 11, 1499.	1.6	15
68	Critical Review on the Developments and Future Aspects of Adsorption Heat Pumps for Automobile Air Conditioning. Applied Sciences (Switzerland), 2018, 8, 2061.	1.3	14
69	Effect of relative humidity on thermal conductivity of zeolite-based adsorbents: Theory and experiments. Applied Thermal Engineering, 2019, 150, 11-18.	3.0	14
70	Investigation of a cascaded CO2 refrigeration system using phase change materials for energy-saving potentials. Applied Thermal Engineering, 2021, 182, 116104.	3.0	14
71	Experimental Study on Carbon Based Adsorbents for Greenhouse Dehumidification. Evergreen, 2014, 1, 5-11.	0.3	14
72	Theoretical analysis of the optimal configuration of co-generation systems and competitiveness of heating/cooling technologies. Energy, 2010, 35, 4071-4078.	4.5	13

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73	PERFORMANCE INVESTIGATION OF ADSORPTION-COMPRESSION HYBRID REFRIGERATION SYSTEMS. International Journal of Air-Conditioning and Refrigeration, 2013, 21, 1350024.	0.8	12
74	Investigation of energy-efficient solid desiccant system for wheat drying. International Journal of Agricultural and Biological Engineering, 2019, 12, 221-228.	0.3	12
75	Desiccant Air-Conditioning System for Storage of Fruits and Vegetables : Pakistan Preview. Evergreen, 2016, 3, 12-17.	0.3	12
76	Analytical Model of a Combined Adsorption Cooling and Mechanical Vapor Compression Refrigeration System. Heat Transfer Engineering, 2017, 38, 423-430.	1.2	11
77	Adsorption Isotherm Modelling of Water on Nano-Tailored Mesoporous Silica Based on Distribution Function. Energies, 2020, 13, 4247.	1.6	11
78	Investigating Solid and Liquid Desiccant Dehumidification Options for Room Air-Conditioning and Drying Applications. Sustainability, 2020, 12, 10582.	1.6	11
79	Exergy Analysis of Serpentine Thermosyphon Solar Water Heater. Applied Sciences (Switzerland), 2018, 8, 391.	1.3	10
80	Transient analysis of an electric vehicle air-conditioning system using CO2 for start-up and cabin pull-down operations. Applied Thermal Engineering, 2021, 190, 116825.	3.0	10
81	Thermodynamic Analysis of Adsorption Cooling Cycle using Ethanol-Surface treated Maxsorb III Pairs. Evergreen, 2014, 1, 25-31.	0.3	10
82	Measurements of saturation pressures for the novel refrigerant R1132(E). International Journal of Refrigeration, 2022, 135, 148-153.	1.8	10
83	Experimental investigation on the performance of an adsorption system using Maxsorb III+ethanol pair. International Journal of Refrigeration, 2019, 105, 148-157.	1.8	8
84	Potential Estimation of Hourly Blank Storage Space and Charge Loads of EVs using Road Traffic Census and Vehicles Status. IEEE Transactions on Power and Energy, 2011, 131, 920-926.	0.1	8
85	Detailed investigation on properties of novel commercial mesoporous silica materials. Microporous and Mesoporous Materials, 2019, 289, 109644.	2.2	7
86	Thermodynamic analysis and impact of thermal masses on adsorption cycles using MaxsorbIII/R245fa and SAC-2/R245fa pairs. International Journal of Refrigeration, 2021, 123, 52-62.	1.8	7
87	Performance evaluation of a heat pump system using an HFC32/HFO1234yf blend with GWP below 150 for heating applications. Applied Thermal Engineering, 2021, 182, 115952.	3.0	7
88	Camphor leaf-derived activated carbon prepared by conventional physical activation and its water adsorption profile. Carbon Letters, 2021, 31, 737.	3.3	6
89	Investigation of Desiccant and Evaporative Cooling Systems for Animal Air-Conditioning. , 0, , .		6
90	Heat Pump Cycle Using Refrigerant Mixtures of HFC32 and HFO1234yf. Heat Transfer Engineering, 2021, 42, 1097-1106.	1.2	6

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91	Key Factors of Solar Energy Progress in Bangladesh until 2017. Evergreen, 2018, 5, 78-85.	0.3	6
92	Adsorption heat transformer cycle using multiple adsorbent-water pairs for waste heat upgrade. Journal of Thermal Analysis and Calorimetry, 2023, 148, 3059-3071.	2.0	6
93	High concentration non-imaging Fresnel lens design with flat upper surface. Proceedings of SPIE, 2007, 6649, 133.	0.8	5
94	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
95	Study toward high-performance thermally driven air-conditioning systems. AIP Conference Proceedings, 2017, , .	0.3	5
96	Material selection and properties for adsorption heat storage: perspectivity of TMPS series mesoporous silica nano-materials. Adsorption, 2019, 25, 1137-1145.	1.4	5
97	The Possibility of the Energy Cost Savings by the Electricity Driven Desiccant System with a High Performance Evaporative Cooler. , 2010, , .		5
98	Cycle Optimization on Reheat Adsorption Cycle Applying Fixed Chilled Water Outlet Temperature. Heat Transfer Engineering, 2016, 37, 606-615.	1.2	4
99	Influence of minimum quantity lubrication with Al ₂ O ₃ nanoparticles on cutting parameters in drilling process. AIP Conference Proceedings, 2018, , .	0.3	4
100	Theoretical dehumidification capacity of acorn nutshell-based activated carbon under two Asian urban cities™ ambient air condition. International Journal of Refrigeration, 2021, 131, 137-145.	1.8	4
101	STUDY OF A SILICA GEL-WATER-BASED THREE-BED DUAL-MODE ADSORPTION COOLING CYCLE. Heat Transfer Research, 2015, 46, 213-232.	0.9	4
102	Experimental Study on Dehumidification Technology using Honeycomb Desiccant Block. Evergreen, 2018, 5, 11-18.	0.3	4
103	Study on Water-Vapor Adsorption onto Polymer and Carbon Based Adsorbents for Air-Conditioning Applications. Evergreen, 2019, 6, 215-224.	0.3	4
104	Desiccant Dehumidification Cooling System for Poultry Houses in Multan (Pakistan). Green Energy and Technology, 2022, , 19-42.	0.4	4
105	Study on Desiccant Air-Conditioning System for Livestock Application in Pakistan. , 2018, , .		3
106	Influence of Phase Change Phenomena on the Performance of a Desiccant Dehumidification System. Applied Sciences (Switzerland), 2020, 10, 868.	1.3	3
107	Adsorption-Based Atmospheric Water Harvesting: Technology Fundamentals and Energy-Efficient Adsorbents. , 0, , .		3
108	Effects of temperature and humidity ratio on the performance of desiccant dehumidification system under low-temperature regeneration. Journal of Thermal Analysis and Calorimetry, 0, , 1.	2.0	3

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109	Simulation-based assessment of the thermal-hydraulic performance of titania-based nanofluids in a circular-mini-channel tube. <i>International Journal of Ambient Energy</i> , 2022, 43, 8022-8035.	1.4	3
110	A Model of Piston Sliding Process for a Double Piston-Actuated Shock Tube. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2008, 130, .	0.8	2
111	Viscosities, Densities, and Refractive Indices of Aqueous Propane-1,3-diol. <i>Journal of Chemical & Engineering Data</i> , 0, , .	1.0	2
112	Experimental study of heat transfer enhancement and pressure drop using TiO ₂ /distilled water nanofluid inside counter flow double tube heat exchanger. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	2
113	Desiccant dehumidification system for low desorption temperature. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	2
114	Exergy Investigation of R410A as a "Drop In" Refrigerant in a Water-Cooled Mechanical Vapor Compression Cycle. <i>Heat Transfer Engineering</i> , 2021, 42, 1069-1086.	1.2	2
115	Performance Evaluation of an Adsorption Heat Pump System Using MSC-30/R1234yf Pair with the Impact of Thermal Masses. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2279.	1.3	2
116	Temperature and Humidity Control for the Next Generation Greenhouses: Overview of Desiccant and Evaporative Cooling Systems. , 0, , .		2
117	Overview of Adsorption Cooling System based on Activated Carbon : Alcohol Pair. <i>Evergreen</i> , 2015, 2, 30-40.	0.3	2
118	Heat and Mass Transfer Characteristics of a Desiccant Dehumidification System Operating by Low Regeneration Temperature. <i>Heat Transfer Engineering</i> , 2022, 43, 1639-1651.	1.2	2
119	The second law analysis of a humidification-dehumidification desalination system using M-cycle. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 52, 102141.	1.7	2
120	The Optimal Operation Criteria for a Gas Turbine Cogeneration System. <i>Energies</i> , 2009, 2, 202-225.	1.6	1
121	Alternative technology for cooling. , 2015, , .		1
122	Investigation of Maisotsenko Cycle (M-cycle) Air-Conditioning System for Multan(Pakistan). , 2017, , .		1
123	Special Issue on Sciences in Heat Pump and Refrigeration. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2385.	1.3	1
124	Investigation of a Thermal Power Pumping cycle system using alternative working fluids. <i>International Journal of Sustainable Energy</i> , 0, , 1-20.	1.3	1
125	B112 Simulation analysis of the building integrated evaporative cooler driven by the solar chimney. <i>The Proceedings of the Thermal Engineering Conference</i> , 2010, 2010, 33-34.	0.0	1
126	EXPERIMENTAL INVESTIGATION OF A REHEATING TWO-STAGE ADSORPTION CHILLER APPLYING FIXED CHILLED WATER OUTLET CONDITIONS. <i>Heat Transfer Research</i> , 2015, 46, 293-309.	0.9	1

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127	The Surplus-Electric-Power Trade of the Cogeneration by PPS -Modeling of Electric Power Dealings, and Analysis of Profits Distribution-. IEEJ Transactions on Power and Energy, 2009, 129, 1009-1017.	0.1	1
128	A Theoretical Analysis of the Electric Power Storage Capacity under Changing Renewable Energy Supplies and Power Demands. IEEJ Transactions on Power and Energy, 2009, 129, 682-688.	0.1	1
129	Economic and Environmental Evaluation of Biomass Utilization Energy Systems - Analysis on the Wood Tip Biomass Cogeneration System for an Industrial User -. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 2011, 90, 547-553.	0.2	1
130	Steady-state Investigation of Desiccant Drying System for Agricultural Applications. Evergreen, 2018, 5, 33-42.	0.3	1
131	Potential Application of LiCl/H ₂ O-CNTs Nanofluids for Liquid Desiccant Cooling System (LDCS): A Preliminary Study Using Numerical Approach. Lecture Notes in Mechanical Engineering, 2020, , 31-39.	0.3	1
132	On the performance improvement of an inverted Brayton Cycle using a regenerative heat and mass exchanger. Energy, 2022, 249, 123726.	4.5	1
133	Evaporative Cooling and Desiccant Dehumidification Air Conditioning Options for Livestock Thermal Comfort. Green Energy and Technology, 2022, , 43-63.	0.4	1
134	Performance Comparison of Multi-Stage Adsorption Chillers at the Optimal Operating Conditions(〈Special Issue〉The 14th National Symposium on Power and Energy System). 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2010, 76, 489-490.	0.2	0
135	Potential estimation of hourly blank storage space and charge loads of EVs using road traffic census and vehicles status. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2013, 182, 30-38.	0.2	0
136	Non-isothermal adsorption rate model of activated carbon-ethanol pair for solar cooling applications estimated through CFD simulation. , 2016, , .		0
137	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
138	Evaporative Heat Exchangers. , 2018, , 1521-1533.		0
139	Numerical study on performance of the dew point evaporative cooling system. Journal of Thermal Science and Technology, 2021, 16, JTST0040-JTST0040.	0.6	0
140	Potential of Latent Heat Load Removal by Activated Carbons for Energy Savings of Air Conditioning Systems. IOP Conference Series: Materials Science and Engineering, 2021, 1096, 012001.	0.3	0
141	A computational fluid dynamics analysis of solar chimneys integrated with photovoltaics. The Proceedings of the Symposium on Environmental Engineering, 2004, 2004.14, 380-383.	0.0	0
142	439 The impact of gas engine cogeneration systems on energy savings of office buildings. The Proceedings of the Symposium on Environmental Engineering, 2005, 2005.15, 466-469.	0.0	0
143	433 Development of a Photovoltaic Power Generation System with a Solar Concentrator on Vertical Surfaces : Design of Vertical Type Solar Concentrators. The Proceedings of the Symposium on Environmental Engineering, 2006, 2006.16, 412-413.	0.0	0
144	OS11-6 Study on the Utilization of Wasted Heat from Refuse Incineration Plant by Thermally Driven Heat Pumps. The Proceedings of the National Symposium on Power and Energy Systems, 2007, 2007.12, 229-232.	0.0	0

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145	21511 Solar collection enhancement of solar water heater with optimizing reflector settings. The Proceedings of Conference of Kanto Branch, 2008, 2008.14, 445-446.	0.0	0
146	21513 Experimental Study on Double Effect Adsorption Cycle with Adsorption Heat Recovery. The Proceedings of Conference of Kanto Branch, 2008, 2008.14, 449-450.	0.0	0
147	B103 Performance Improvement of Adsorption Chillers by the Optimization of Adsorption and Desorption Time. The Proceedings of the National Symposium on Power and Energy Systems, 2008, 2008.13, 59-62.	0.0	0
148	423 Performance Evaluation of an Advanced Three-Bed Mass Recovery Adsorption Refrigeration Cycle(International Session). The Proceedings of the Symposium on Environmental Engineering, 2008, 2008.18, 389-392.	0.0	0
149	B105 Improvement of Energy Saving Effects of Cogeneration Systems in the Residential and Commercial Sector by the Optimum Operation of Adsorption Chillers. The Proceedings of the National Symposium on Power and Energy Systems, 2008, 2008.13, 67-70.	0.0	0
150	436 Measurement of Cooling Performance with Adsorbent Coated Heat Exchanger. The Proceedings of the Symposium on Environmental Engineering, 2008, 2008.18, 439-440.	0.0	0
151	435 Planning of a large-scale cogeneration system using Particle Swarm Optimization. The Proceedings of the Symposium on Environmental Engineering, 2008, 2008.18, 435-438.	0.0	0
152	451 Study on energy saving air-conditioning system using compact desiccant ventilation units : Part 24 : Comparison between two adsorbent materials on the dehumidification performance by direct heating of desiccant unit. The Proceedings of the Symposium on Environmental Engineering, 2009, 2009.19, 512-513.	0.0	0
153	20917 Assessment on energy saving potential of Solid Oxide Fuel Cells with flexible system in apartment houses. The Proceedings of Conference of Kanto Branch, 2009, 2009.15, 411-412.	0.0	0
154	B210 Comparison of performances of multi-stage adsorption chillers. The Proceedings of the National Symposium on Power and Energy Systems, 2009, 2009.14, 267-268.	0.0	0
155	20909 Test of the Turbine Blade for Micro Hydraulic Generator and Observation of Intratubular Flow. The Proceedings of Conference of Kanto Branch, 2009, 2009.15, 395-396.	0.0	0
156	420 Heat Transportation at Ambient Temperature based on Ammonia-Water Absorption Heat Pump : Computational Investigation of Heat Transportation Performance. The Proceedings of the Symposium on Environmental Engineering, 2009, 2009.19, 399-401.	0.0	0
157	419 Heat Transportation at Ambient Temperature Based on Ammonia-water Absorption Heat Pump : Experimental Investigation of Heat Transportation Performance. The Proceedings of the Symposium on Environmental Engineering, 2009, 2009.19, 395-398.	0.0	0
158	20811 Estimation of Adopting Photovoltaic systems by prefecture in Japan. The Proceedings of Conference of Kanto Branch, 2010, 2010.16, 267-268.	0.0	0
159	The Surplus-Electric-Power Trade of the Cogeneration by PPS -Effect in Energy Consumption by Economically Optimized Operation-. IEEJ Transactions on Power and Energy, 2010, 130, 719-726.	0.1	0
160	Influence on Electricity Grid Composition and Petroleum Refinery Process by Installation of Residual Oil IGCC. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 2011, 90, 235-246.	0.2	0
161	F203 Cycle time allocation effect on the performance of adsorption cooling systems powered by SOFC waste heat. The Proceedings of the National Symposium on Power and Energy Systems, 2013, 2013.18, 443-446.	0.0	0
162	F204 Study on thermally driven desiccant air conditioning system under tropical climate. The Proceedings of the National Symposium on Power and Energy Systems, 2013, 2013.18, 447-450.	0.0	0

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