

Jahar Sarkar

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5417635/publications.pdf>

Version: 2024-02-01

135
papers

6,568
citations

66234

42
h-index

71532

76
g-index

135
all docs

135
docs citations

135
times ranked

3530
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical Analysis on Hydrothermal Behavior of Various Ribbed Minichannel Heat Sinks with Different Hybrid Nanofluids. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 6209-6221.	1.7	5
2	Experimentation and Performance Analysis of Solar-Assisted Heat Pump Dryer for Intermittent Drying of Food Chips. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2022, 144, .	1.1	2
3	Energy, exergy and economic assessments of the dual-mode evaporative cooler for various international climate zones. <i>Building Services Engineering Research and Technology</i> , 2022, 43, 179-196.	0.9	2
4	Machine learning model of regenerative evaporative cooler for performance prediction based on experimental investigation. <i>International Journal of Refrigeration</i> , 2022, 137, 178-187.	1.8	4
5	Experimental exergy, economic and sustainability analyses of the dual-mode evaporative cooler. <i>International Journal of Refrigeration</i> , 2022, 135, 121-130.	1.8	8
6	Generalized Nusselt Number Correlation for Binary Hybrid Nano-Oils as Heat Transfer Fluid in Solar Thermal Systems. <i>Journal of Heat Transfer</i> , 2022, 144, .	1.2	1
7	Thermodynamic, economic and environmental analyses of novel solar-powered ejector refrigeration systems. <i>Energy Conversion and Management</i> , 2022, 264, 115730.	4.4	19
8	Improving hydrothermal performance of double-tube heat exchanger with modified twisted tape inserts using hybrid nanofluid. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 4287-4298.	2.0	41
9	Effect of surface modifications and using hybrid nanofluids on energy-exergy performance of regenerative evaporative cooler. <i>Building and Environment</i> , 2021, 189, 107507.	3.0	19
10	Effects of nanoparticle shape and size on the thermohydraulic performance of plate evaporator using hybrid nanofluids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 767-779.	2.0	30
11	Performance simulation of polymer-based nanoparticle and void dispersed photonic structures for radiative cooling. <i>Scientific Reports</i> , 2021, 11, 893.	1.6	12
12	Single-Phase Natural Circulation Loop Using Oils and Ternary Hybrid Nanofluids: Steady-State and Transient Thermo-Hydraulics. <i>Journal of Thermal Science and Engineering Applications</i> , 2021, 13, .	0.8	2
13	Thermohydraulic behavior of concentric tube heat exchanger inserted with conical wire coil using mono/hybrid nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2021, 122, 105134.	2.9	21
14	A generalized Nusselt number correlation for nanofluids, and look-up diagrams to select a heat transfer fluid for medium temperature solar thermal applications. <i>Applied Thermal Engineering</i> , 2021, 190, 116469.	3.0	15
15	Effects of various modeling assumptions on steady-state and transient performances of single-phase natural circulation loop. <i>International Communications in Heat and Mass Transfer</i> , 2021, 124, 105247.	2.9	4
16	Thermodynamic, economic, and environmental analyses of various novel ejector refrigeration subcooled transcritical CO_2 systems. <i>International Journal of Energy Research</i> , 2021, 45, 16115-16133.	2.2	9
17	Thermal-hydraulic behavior of lotus like structured rGO-ZnO composite dispersed hybrid nanofluid in mini channel heat sink. <i>International Journal of Thermal Sciences</i> , 2021, 164, 106886.	2.6	17
18	Performance enhancement of regenerative evaporative cooler by surface alterations and using ternary hybrid nanofluids. <i>Energy</i> , 2021, 225, 120199.	4.5	32

#	ARTICLE	IF	CITATIONS
19	Hydrothermal performance comparison of modified twisted tapes and wire coils in tubular heat exchanger using hybrid nanofluid. <i>International Journal of Thermal Sciences</i> , 2021, 166, 106990.	2.6	34
20	Performance assessment of dual-mode evaporative cooler for futuristic climatic scenarios considering climate change effect. <i>Journal of Building Engineering</i> , 2021, 42, 103043.	1.6	4
21	Development and experimental analysis of a novel dual-mode counter-flow evaporative cooling device. <i>Building and Environment</i> , 2021, 205, 108176.	3.0	3
22	Novel combined desalination, heating and power system: Energy, exergy, economic and environmental assessments. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 151, 111612.	8.2	12
23	Energy, exergy, economic and ecological analyses of a diurnal radiative water cooler. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 152, 111676.	8.2	8
24	Steady-state and transient hydrothermal analyses of single-phase natural circulation loop using water-based tri-hybrid nanofluids. <i>AIChE Journal</i> , 2021, 67, e17179.	1.8	23
25	Performance improvement of CO ₂ air conditioner by integrating photonic radiative cooler as sub-cooler or/and roof envelope. <i>Energy Conversion and Management</i> , 2021, 251, 115019.	4.4	3
26	Energetic and Exergetic Performances of Plate Heat Exchanger Using Brine-Based Hybrid Nanofluid for Milk Chilling Application. <i>Heat Transfer Engineering</i> , 2020, 41, 522-535.	1.2	31
27	Energetic and exergetic performance simulation of open-type heat pump dryer with next-generation refrigerants. <i>Drying Technology</i> , 2020, 38, 1011-1023.	1.7	16
28	Hydrothermal performance of different alumina hybrid nanofluid types in plate heat exchanger. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 3777-3787.	2.0	47
29	Particle ratio optimization of Al ₂ O ₃ -MWCNT hybrid nanofluid in minichannel heat sink for best hydrothermal performance. <i>Applied Thermal Engineering</i> , 2020, 165, 114546.	3.0	81
30	Proposal and performance comparison of various solar-driven novel combined cooling, heating and power system topologies. <i>Energy Conversion and Management</i> , 2020, 205, 112342.	4.4	22
31	Effect of different nanoparticle-dispersed nanofluids on hydrothermal-economic performance of minichannel heat sink. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 141, 1477-1488.	2.0	9
32	Transient thermo-hydraulics and performance characteristics of single-phase natural circulation loop using hybrid nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2020, 110, 104433.	2.9	13
33	Experimental hydrothermal characteristics of minichannel heat sink using various types of hybrid nanofluids. <i>Advanced Powder Technology</i> , 2020, 31, 621-631.	2.0	39
34	Experimental hydrothermal behavior of hybrid nanofluid for various particle ratios and comparison with other fluids in minichannel heat sink. <i>International Communications in Heat and Mass Transfer</i> , 2020, 110, 104397.	2.9	56
35	Review on passive daytime radiative cooling: Fundamentals, recent researches, challenges and opportunities. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 133, 110263.	8.2	84
36	Climate change effect on the cooling performance and assessment of passive daytime photonic radiative cooler in India. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 134, 110303.	8.2	14

#	ARTICLE	IF	CITATIONS
37	Environmental effect on the performance of passive daytime photonic radiative cooling and building energy-saving potential. <i>Journal of Cleaner Production</i> , 2020, 274, 123119.	4.6	36
38	Experiment on waste heat recoveryâ€assisted heat pump drying of food chips: Performance, economic, and exergoeconomic analyses. <i>Journal of Food Processing and Preservation</i> , 2020, 44, e14699.	0.9	15
39	Experimentation on solar-assisted heat pump dryer: Thermodynamic, economic and exergoeconomic assessments. <i>Solar Energy</i> , 2020, 208, 150-159.	2.9	48
40	Thermodynamic, economic and environmental analyses of a novel solar energy driven small-scale combined cooling, heating and power system. <i>Energy Conversion and Management</i> , 2020, 226, 113542.	4.4	25
41	Heat transfer characteristics of plate heat exchanger using hybrid nanofluids: effect of nanoparticle mixture ratio. <i>Heat and Mass Transfer</i> , 2020, 56, 2457-2472.	1.2	15
42	Comparative performance analysis of different novel regenerative evaporative cooling device topologies. <i>Applied Thermal Engineering</i> , 2020, 176, 115474.	3.0	21
43	Exergy, economic, environmental and sustainability analyses of possible regenerative evaporative cooling device topologies. <i>Building and Environment</i> , 2020, 180, 107033.	3.0	21
44	Hydrothermal performance of plate heat exchanger with an aluminaâ€graphene hybrid nanofluid: experimental study. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2020, 42, 1.	0.8	17
45	Experimental energyâ€exergy performance and kinetics analyses of compact dualâ€mode heat pump drying of food chips. <i>Journal of Food Process Engineering</i> , 2020, 43, e13404.	1.5	20
46	Experimental performance analysis of novel indirect-expansion solar-infrared assisted heat pump dryer for agricultural products. <i>Solar Energy</i> , 2020, 206, 907-917.	2.9	58
47	Improving hydrothermal performance of hybrid nanofluid in double tube heat exchanger using tapered wire coil turbulator. <i>Advanced Powder Technology</i> , 2020, 31, 2092-2100.	2.0	61
48	Experimental energy, exergy, economic and exergoeconomic analyses of batch-type solar-assisted heat pump dryer. <i>Renewable Energy</i> , 2020, 156, 1107-1116.	4.3	62
49	Improvement in Energy Performance of Tubular Heat Exchangers Using Nanofluids: A Review. <i>Current Nanoscience</i> , 2020, 16, 136-156.	0.7	8
50	Comparative analyses on a batch-type heat pump dryer using low GWP refrigerants. <i>Food and Bioproducts Processing</i> , 2019, 117, 1-13.	1.8	24
51	Experimentation on effect of particle ratio on hydrothermal performance of plate heat exchanger using hybrid nanofluid. <i>Applied Thermal Engineering</i> , 2019, 162, 114309.	3.0	75
52	Numerical and experimental investigations on heat transfer and pressure drop characteristics of Al ₂ O ₃ -TiO ₂ hybrid nanofluid in minichannel heat sink with different mixture ratio. <i>Powder Technology</i> , 2019, 345, 717-727.	2.1	99
53	Research and development on composite nanofluids as next-generation heat transfer medium. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 137, 1133-1154.	2.0	15
54	Steady-State Energetic and Exergetic Performances of Single-Phase Natural Circulation Loop With Hybrid Nanofluids. <i>Journal of Heat Transfer</i> , 2019, 141, .	1.2	68

#	ARTICLE	IF	CITATIONS
55	Proposal and month-wise performance evaluation of a novel dual-mode evaporative cooler. <i>Heat and Mass Transfer</i> , 2019, 55, 3523-3536.	1.2	10
56	Performance assessment of novel biomass gasification based CCHP systems integrated with syngas production. <i>Energy</i> , 2019, 167, 379-390.	4.5	16
57	Improving thermal performance of micro-channel electronic heat sink using supercritical CO ₂ as coolant. <i>Thermal Science</i> , 2019, 23, 243-253.	0.5	11
58	Discrete phase numerical model and experimental study of hybrid nanofluid heat transfer and pressure drop in plate heat exchanger. <i>International Communications in Heat and Mass Transfer</i> , 2018, 91, 262-273.	2.9	119
59	Two-phase numerical simulation of hybrid nanofluid heat transfer in minichannel heat sink and experimental validation. <i>International Communications in Heat and Mass Transfer</i> , 2018, 91, 239-247.	2.9	76
60	Energy-Economic Analysis of Plate Evaporator using Brine-based Hybrid Nanofluids as Secondary Refrigerant. <i>International Journal of Air-Conditioning and Refrigeration</i> , 2018, 26, 1850003.	0.8	18
61	A Novel Pinch Point Design Methodology Based Energy and Economic Analyses of Organic Rankine Cycle. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2018, 140, .	1.4	24
62	Generalized pinch point design method of subcritical-supercritical organic Rankine cycle for maximum heat recovery. <i>Energy</i> , 2018, 143, 141-150.	4.5	47
63	Improving the performance of refrigeration systems by using nanofluids: A comprehensive review. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 3656-3669.	8.2	119
64	Energy, exergy and economic assessments of shell and tube condenser using hybrid nanofluid as coolant. <i>International Communications in Heat and Mass Transfer</i> , 2018, 98, 41-48.	2.9	56
65	Novel pinch point method based exergetic optimisation of subcritical organic Rankine cycle for waste heat recovery. <i>International Journal of Exergy</i> , 2018, 25, 281.	0.2	1
66	Novel pinch point method based exergetic optimisation of subcritical organic Rankine cycle for waste heat recovery. <i>International Journal of Exergy</i> , 2018, 25, 281.	0.2	0
67	Performance Enhancement for Wavy Fin Automotive Radiator Using Optimum PG Brine Based Nanofluids. <i>Heat Transfer - Asian Research</i> , 2017, 46, 585-597.	2.8	1
68	Heat transfer performance characteristics of hybrid nanofluids as coolant in louvered fin automotive radiator. <i>Heat and Mass Transfer</i> , 2017, 53, 1923-1931.	1.2	44
69	Proposal and design of a new biomass based syngas production system integrated with combined heat and power generation. <i>Energy</i> , 2017, 133, 986-997.	4.5	28
70	Performance Analysis of a Louvered Fin Automotive Radiator Using Hybrid Nanofluid as Coolant. <i>Heat Transfer - Asian Research</i> , 2017, 46, 978-995.	2.8	17
71	Exergetic analysis of plate evaporator using hybrid nanofluids as secondary refrigerant for low-temperature applications. <i>International Journal of Exergy</i> , 2017, 24, 1.	0.2	21
72	Energy and exergy comparisons of water based optimum brines as coolants for rectangular fin automotive radiator. <i>International Journal of Heat and Mass Transfer</i> , 2017, 105, 690-696.	2.5	26

#	ARTICLE	IF	CITATIONS
73	Performance analyses of novel two-phase ejector enhanced multi-evaporator refrigeration systems. Applied Thermal Engineering, 2017, 110, 1635-1642.	3.0	50
74	Property-based selection criteria of low GWP working fluids for organic Rankine cycle. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2017, 39, 1419-1428.	0.8	18
75	Performance comparison of various coolants for louvered fin tube automotive radiator. Thermal Science, 2017, 21, 2871-2881.	0.5	15
76	Exergetic analysis of plate evaporator using hybrid nanofluids as secondary refrigerant for low-temperature applications. International Journal of Exergy, 2017, 24, 1.	0.2	1
77	Extended Exergy Analysis Based Comparison of Subcritical and Transcritical Refrigeration Systems. International Journal of Air-Conditioning and Refrigeration, 2016, 24, 1650009.	0.8	6
78	Advanced exergy analysis of transcritical CO ₂ heat pump system based on experimental data. Sadhana - Academy Proceedings in Engineering Sciences, 2016, 41, 1349-1356.	0.8	8
79	Performance characteristics of low global warming potential R134a alternative refrigerants in ejector-expansion refrigeration system. Archives of Thermodynamics, 2016, 37, 55-72.	1.0	3
80	Comprehensive study on the role of eco-friendly working fluid properties on ORC performances. International Journal of Thermodynamics, 2016, 19, 198-204.	0.4	2
81	Potential of organic Rankine cycle technology in India: Working fluid selection and feasibility study. Energy, 2015, 90, 1618-1625.	4.5	49
82	Performance improvement of double-tube gas cooler in CO ₂ refrigeration system using nanofluids. Thermal Science, 2015, 19, 109-118.	0.5	6
83	Particle concentration levels of various nanofluids in plate heat exchanger for best performance. International Journal of Heat and Mass Transfer, 2015, 89, 1110-1118.	2.5	97
84	Review and future trends of supercritical CO ₂ Rankine cycle for low-grade heat conversion. Renewable and Sustainable Energy Reviews, 2015, 48, 434-451.	8.2	198
85	Analyses and optimization of a supercritical N ₂ O Rankine cycle for low-grade heat conversion. Energy, 2015, 81, 344-351.	4.5	10
86	A review on hybrid nanofluids: Recent research, development and applications. Renewable and Sustainable Energy Reviews, 2015, 43, 164-177.	8.2	916
87	Numerical investigation of heat transfer and fluid flow in plate heat exchanger using nanofluids. International Journal of Thermal Sciences, 2014, 85, 93-103.	2.6	107
88	Combined energy and exergy analysis of a corrugated plate heat exchanger and experimental investigation. International Journal of Exergy, 2014, 15, 395.	0.2	12
89	A review on thermodynamic optimization of irreversible refrigerator and verification with transcritical CO ₂ system. International Journal of Thermodynamics, 2014, 17, .	0.4	1
90	Performance optimization of transcritical CO ₂ refrigeration cycle with thermoelectric subcooler. International Journal of Energy Research, 2013, 37, 121-128.	2.2	63

#	ARTICLE	IF	CITATIONS
91	Performance comparison of the plate heat exchanger using different nanofluids. <i>Experimental Thermal and Fluid Science</i> , 2013, 49, 141-151.	1.5	151
92	Performance of a flat-plate solar thermal collector using supercritical carbon dioxide as heat transfer fluid. <i>International Journal of Sustainable Energy</i> , 2013, 32, 531-543.	1.3	19
93	Heat transfer and pressure drop characteristics of CeO ₂ /water nanofluid in plate heat exchanger. <i>Applied Thermal Engineering</i> , 2013, 57, 24-32.	3.0	128
94	Exergy analysis of vortex tube expansion vapour compression refrigeration system. <i>International Journal of Exergy</i> , 2013, 13, 431.	0.2	9
95	Performance analysis of louvered fin tube automotive radiator using nanofluids as coolants. <i>International Journal of Nanomanufacturing</i> , 2013, 9, 51.	0.3	32
96	Performance comparison of natural refrigerants based cascade systems for ultra-low-temperature applications. <i>International Journal of Sustainable Energy</i> , 2013, 32, 406-420.	1.3	10
97	Selection of suitable natural refrigerants pairs for cascade refrigeration system. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2013, 227, 612-622.	0.8	13
98	PERFORMANCE EVALUATION OF USING WATER-BASED NANOFLUIDS AS COOLANTS IN THE GAS COOLER OF A TRANSCRITICAL CO ₂ REFRIGERANT SYSTEM. <i>Journal of Enhanced Heat Transfer</i> , 2013, 20, 389-397.	0.5	3
99	TRANSCRITICAL CO ₂ REFRIGERATION SYSTEMS: COMPARISON WITH CONVENTIONAL SOLUTIONS AND APPLICATIONS. <i>International Journal of Air-Conditioning and Refrigeration</i> , 2012, 20, 1250017.	0.8	25
100	Ejector enhanced vapor compression refrigeration and heat pump systems—A review. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 6647-6659.	8.2	198
101	Operating characteristics of transcritical CO ₂ heat pump for simultaneous water cooling and heating. <i>Archives of Thermodynamics</i> , 2011, 33, 23-40.	1.0	163
102	Performance of nanofluid-cooled shell and tube gas cooler in transcritical CO ₂ refrigeration systems. <i>Applied Thermal Engineering</i> , 2011, 31, 2541-2548.	3.0	31
103	Thermodynamic analysis and optimization of a novel two-stage transcritical N ₂ O cycle. <i>International Journal of Refrigeration</i> , 2011, 34, 991-999.	1.8	12
104	A critical review on convective heat transfer correlations of nanofluids. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 3271-3277.	8.2	278
105	Thermodynamic analyses and optimization of a recompression N ₂ O Brayton power cycle. <i>Energy</i> , 2010, 35, 3422-3428.	4.5	20
106	Performance optimization of transcritical CO ₂ cycle with parallel compression economization. <i>International Journal of Thermal Sciences</i> , 2010, 49, 838-843.	2.6	77
107	Geometric parameter optimization of ejector-expansion refrigeration cycle with natural refrigerants. <i>International Journal of Energy Research</i> , 2010, 34, 84-94.	2.2	63
108	Performance characteristics of refrigeration cycle with parallel compression economization. <i>International Journal of Energy Research</i> , 2010, 34, 1205-1214.	2.2	1

#	ARTICLE	IF	CITATIONS
109	Thermodynamic analyses and optimization of a transcritical N ₂ O refrigeration cycle. International Journal of Refrigeration, 2010, 33, 33-40.	1.8	19
110	Performance characteristics of multi-evaporator transcritical CO ₂ refrigeration cycles with hybrid compression/ejection. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2010, 224, 773-780.	0.8	13
111	Experimental investigation of transcritical CO ₂ heat pump for simultaneous water cooling and heating. Thermal Science, 2010, 14, 57-64.	0.5	10
112	Performance characteristics of natural-refrigerants-based ejector expansion refrigeration cycles. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2009, 223, 543-550.	0.8	43
113	Optimization of recompression S-CO ₂ power cycle with reheating. Energy Conversion and Management, 2009, 50, 1939-1945.	4.4	184
114	A transcritical CO ₂ heat pump for simultaneous water cooling and heating: Test results and model validation. International Journal of Energy Research, 2009, 33, 100-109.	2.2	43
115	Thermodynamic analysis and optimization of a novel N ₂ O-CO ₂ cascade system for refrigeration and heating. International Journal of Refrigeration, 2009, 32, 1077-1084.	1.8	71
116	Second law analysis of supercritical CO ₂ recompression Brayton cycle. Energy, 2009, 34, 1172-1178.	4.5	219
117	Irreversibility minimization of heat exchangers for transcritical CO ₂ systems. International Journal of Thermal Sciences, 2009, 48, 146-153.	2.6	9
118	Assessment of blends of CO ₂ with butane and isobutane as working fluids for heat pump applications. International Journal of Thermal Sciences, 2009, 48, 1460-1465.	2.6	70
119	Cycle parameter optimization of vortex tube expansion transcritical CO ₂ system. International Journal of Thermal Sciences, 2009, 48, 1823-1828.	2.6	49
120	Optimization of ejector-expansion transcritical CO ₂ heat pump cycle. Energy, 2008, 33, 1399-1406.	4.5	119
121	CO ₂ -C ₃ H ₈ cascade refrigeration heat pump system: Heat exchanger inventory optimization and its numerical verification. International Journal of Refrigeration, 2008, 31, 1207-1213.	1.8	20
122	Analysis and Optimization of an Ammonia Based Transcritical Rankine Cycle for Power Generation. , 2008, , .		1
123	Optimization of two-stage transcritical carbon dioxide heat pump cycles. International Journal of Thermal Sciences, 2007, 46, 180-187.	2.6	92
124	Exergy maximization of cascade refrigeration cycles and its numerical verification for a transcritical CO ₂ -C ₃ H ₈ system. International Journal of Refrigeration, 2007, 30, 624-632.	1.8	42
125	Overall conductance and heat transfer area minimization of refrigerators and heat pumps with finite heat reservoirs. Energy Conversion and Management, 2007, 48, 803-808.	4.4	21
126	Analytical minimization of overall conductance and heat transfer area in refrigeration and heat pump systems and its numerical confirmation. Energy Conversion and Management, 2007, 48, 1245-1250.	4.4	2

#	ARTICLE	IF	CITATIONS
127	Natural refrigerant-based subcritical and transcritical cycles for high temperature heating. International Journal of Refrigeration, 2007, 30, 3-10.	1.8	46
128	Transcritical CO ₂ Heat Pump Dryer: Part 2. Validation and Simulation Results. Drying Technology, 2006, 24, 1593-1600.	1.7	20
129	Transcritical CO ₂ Heat Pump Dryer: Part 1. Mathematical Model and Simulation. Drying Technology, 2006, 24, 1583-1591.	1.7	26
130	Simulation of a transcritical CO ₂ heat pump cycle for simultaneous cooling and heating applications. International Journal of Refrigeration, 2006, 29, 735-743.	1.8	112
131	Transcritical CO ₂ heat pump systems: exergy analysis including heat transfer and fluid flow effects. Energy Conversion and Management, 2005, 46, 2053-2067.	4.4	72
132	Optimization of a CO ₂ -C ₃ H ₈ cascade system for refrigeration and heating. International Journal of Refrigeration, 2005, 28, 1284-1292.	1.8	101
133	Optimization of a transcritical CO ₂ heat pump cycle for simultaneous cooling and heating applications. International Journal of Refrigeration, 2004, 27, 830-838.	1.8	274
134	Experimental hydrothermal characteristics of concentric tube heat exchanger with V-cut twisted tape turbulator using PCM dispersed mono/hybrid nanofluids. Experimental Heat Transfer, 0, , 1-22.	2.3	29
135	Experimental investigation on novel heat pump system for combined drying and air conditioning for arid climate. Drying Technology, 0, , 1-12.	1.7	2