Onder Kizilkan

List of Publications by Year
in descending order

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Version: 2024-02-01

33 papers	933 citations	516710 16 h-index	454955 30 g-index
37 all docs	37 docs citations	37 times ranked	837 citing authors

#	Article	IF	Citations
1	A new design approach for shell-and-tube heat exchangers using genetic algorithms from economic point of view. Chemical Engineering and Processing: Process Intensification, 2006, 45, 268-275.	3.6	207
2	Thermoeconomic optimization of a LiBr absorption refrigeration system. Chemical Engineering and Processing: Process Intensification, 2007, 46, 1376-1384.	3.6	84
3	Thermoeconomic optimization of subcooled and superheated vapor compression refrigeration cycle. Energy, 2006, 31, 2108-2128.	8.8	83
4	Performance and exergetic analysis of vapor compression refrigeration system with an internal heat exchanger using a hydrocarbon, isobutane (R600a). International Journal of Energy Research, 2008, 32, 824-836.	4.5	62
5	Development and performance assessment of a parabolic trough solar collector-based integrated system for an ice-cream factory. Energy, 2016, 100, 167-176.	8.8	46
6	Borehole thermal energy storage system for heating applications: Thermodynamic performance assessment. Energy Conversion and Management, 2015, 90, 53-61.	9.2	42
7	Solar based CO2 power cycle employing thermoelectric generator and absorption refrigeration: Thermodynamic assessment and multi-objective optimization. Energy Conversion and Management, 2019, 200, 112072.	9.2	40
8	Different methods for modeling absorption heat transformer powered by solar pond. Energy Conversion and Management, 2007, 48, 724-735.	9.2	39
9	Thermodynamic analysis of variable speed refrigeration system using artificial neural networks. Expert Systems With Applications, 2011, 38, 11686-11692.	7.6	36
10	Exergy analysis of refrigeration systems using an alternative refrigerant (hfo-1234yf) to R-134a. International Journal of Low-Carbon Technologies, 2014, 9, 56-62.	2.6	32
11	Energy and exergy analyses of integrated hydrogen production system using high temperature steam electrolysis. International Journal of Hydrogen Energy, 2016, 41, 8032-8041.	7.1	30
12	Proposal of a new parabolic solar collector assisted power-refrigeration system integrated with thermoelectric generator using 3E analyses: Energy, exergy, and exergo-economic. Energy Conversion and Management, 2020, 220, 113055.	9.2	26
13	Exergy analysis of borehole thermal energy storage system for building cooling applications. Energy and Buildings, 2012, 49, 568-574.	6.7	25
14	Performance assessment of steam Rankine cycle and sCO₂Brayton cycle for waste heat recovery in a cement plant: A comparative study for supercritical fluids. International Journal of Energy Research, 2020, 44, 12329-12343.	4.5	23
15	Thermodynamic analysis of subcooling and superheating effects of alternative refrigerants for vapour compression refrigeration cycles. International Journal of Energy Research, 2006, 30, 323-347.	4.5	22
16	Two-objective optimization of a transcritical carbon dioxide based Rankine cycle integrated with evacuated tube solar collector for power and heat generation. Applied Thermal Engineering, 2021, 182, 116079.	6.0	17
17	Comparative analyses of a novel solar tower assisted multi-generation system with re-compression CO2 power cycle, thermoelectric generator, and hydrogen production unit. International Journal of Hydrogen Energy, 2022, 47, 25984-25999.	7.1	17
18	Feasibility research on the novel experimental solar-assisted CO2 based Rankine cycle integrated with absorption refrigeration. Energy Conversion and Management, 2020, 205, 112390.	9.2	14

#	Article	IF	Citations
19	Tri-objective optimization of a hybrid solar-assisted power-refrigeration system working with supercritical carbon dioxide. Renewable Energy, 2020, 156, 1348-1360.	8.9	14
20	Development of a sustainable multi-generation system with re-compression sCO2 Brayton cycle for hydrogen generation. International Journal of Hydrogen Energy, 2022, 47, 19397-19410.	7.1	14
21	Exergetic performance assessment of a variable-speed R404a refrigeration system. International Journal of Energy Research, 2010, 34, 463-475.	4.5	10
22	Thermodynamic analysis of a supercritical closed Brayton cycle integrated with parabolic trough solar collectors. Journal of Thermal Analysis and Calorimetry, 2020, 141, 231-244.	3.6	10
23	Experimental investigation of solarâ€assisted transcritical CO ₂ Rankine cycle for summer and winter conditions from exergetic point of view. International Journal of Energy Research, 2020, 44, 1089-1102.	4.5	7
24	Recent progress in clean energy research. International Journal of Energy Research, 2016, 40, 3-3.	4.5	6
25	Exergetic performance assessment of solar driven combined CO<SUB align="right">2 power and refrigeration system. International Journal of Exergy, 2018, 27, 147.	0.4	5
26	Thermodynamic Performance Assessment of Solar Based Closed Brayton Cycle for Different Supercritical Fluids. , 2019, , .		4
27	Experimental investigation of dry ice cyclone separator for ultraâ€low temperature energy storage using carbon dioxide. Energy Storage, 2020, 2, e149.	4.3	4
28	A feasibility study of CO 2 â€based solarâ€assisted Rankine cycle: a comparative case study for Isparta, Turkey. , 2020, 10, 840-854.		3
29	Exergetic assessment of a rotary kiln for clinker production in cement industry. International Journal of Exergy, 2015, 16, 263.	0.4	2
30	Thermodynamic analysis of solar assisted multi-functional trigeneration system. Pamukkale University Journal of Engineering Sciences, 2016, 22, 71-77.	0.4	2
31	Experimental investigation of the effect of solid-gas two-phase flow in CO2 cascade refrigeration system. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2020, , 1-13.	2.3	1
32	Evaluation of Thermal Characteristics of a Borehole Thermal Energy Storage System. , 2014, , 385-398.		1
33	Thermodynamic analysis of a transcritical CO2 geothermal power plant. , 2021, , 153-165.		0