

# YÄ±ldÄ±z KoÃ§

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

780  
citations

706676

14  
h-index

721071

23  
g-index

23  
all docs

23  
docs citations

23  
times ranked

550  
citing authors

#	ARTICLE	IF	CITATIONS
1	Is Kalina cycle or organic Rankine cycle for industrial waste heat recovery applications? A detailed performance, economic and environment based comprehensive analysis. Chemical Engineering Research and Design, 2022, 163, 421-437.	2.7	29
2	Why Kalina (Ammonia-Water) cycle rather than steam Rankine cycle and pure ammonia cycle: A comparative and comprehensive case study for a cogeneration system. Energy Conversion and Management, 2022, 265, 115739.	4.4	31
3	Energy, exergy, economy and environmental (4E) analysis and optimization of single, dual and triple configurations of the power systems: Rankine Cycle/Kalina Cycle, driven by a gas turbine. Energy Conversion and Management, 2021, 227, 113604.	4.4	53
4	Experimental study of butane adsorption on coconut based activated carbon for different gas concentrations, temperatures and relative humidities. Environmental Technology (United Kingdom), 2021, 42, 2122-2131.	1.2	9
5	Optimisation and exergy analysis of an organic Rankine cycle (ORC) used as a bottoming cycle in a cogeneration system producing steam and power. Sustainable Energy Technologies and Assessments, 2021, 44, 100985.	1.7	30
6	Optimisation of simple and regenerative organic Rankine cycles using jacket water of an internal combustion engine fuelled with biogas produced from agricultural waste. Chemical Engineering Research and Design, 2021, 155, 17-31.	2.7	39
7	Comprehensive analysis of the effect of water injection on performance and emission parameters of the hydrogen fuelled recuperative and non-recuperative gas turbine system. International Journal of Hydrogen Energy, 2020, 45, 34254-34267.	3.8	31
8	Deep neural network approach to estimation of power production for an organic Rankine cycle system. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	0.8	16
9	First and second law-based thermal optimisation of the Kalina cycle integrated into an existing burner-based cogeneration system using waste chips as fuel. International Journal of Exergy, 2020, 33, 165.	0.2	10
10	Performance analysis of a novel organic fluid filled regenerative heat exchanger used heat recovery ventilation (OHeX-HRV) system. Sustainable Energy Technologies and Assessments, 2020, 41, 100787.	1.7	14
11	Energy, Exergy, and Parametric Analysis of Simple and Recuperative Organic Rankine Cycles Using a Gas Turbine-Based Combined Cycle. Journal of Energy Engineering - ASCE, 2020, 146, .	1.0	22
12	Analysing the performance, fuel cost and emission parameters of the 50MW simple and recuperative gas turbine cycles using natural gas and hydrogen as fuel. International Journal of Hydrogen Energy, 2020, 45, 22138-22147.	3.8	61
13	Performance improvement of the bottoming steam Rankine cycle (SRC) and organic Rankine cycle (ORC) systems for a triple combined system using gas turbine (GT) as topping cycle. Energy Conversion and Management, 2020, 211, 112745.	4.4	73
14	Energy and Exergy Analysis of a Kalina Cycle Used for Combined Heat-Power Systems. Journal of Polytechnic, 2020, 23, 181-188.	0.4	8
15	Exergy analysis of a natural gas fuelled gas turbine based cogeneration cycle. International Journal of Exergy, 2019, 30, 103.	0.2	35
16	Exergy Analysis and Performance Improvement of a Subcritical/Supercritical Organic Rankine Cycle (ORC) for Exhaust Gas Waste Heat Recovery in a Biogas Fuelled Combined Heat and Power (CHP) Engine Through the Use of Regeneration. Energies, 2019, 12, 575.	1.6	44
17	Thermodynamic analysis of solid waste and energy consumption to reduce the effects of an electric arc furnace on the environment. International Journal of Global Warming, 2019, 19, 308.	0.2	7
18	Parametric Optimisation of an ORC in a Wood Chipboard Production Facility to Recover Waste Heat Produced from the Drying and Steam Production Process. Energies, 2019, 12, 3656.	1.6	6

#	ARTICLE	IF	CITATIONS
19	Designing and exergetic analysis of a solar power tower system for Iskenderun region. International Journal of Exergy, 2019, 28, 96.	0.2	43
20	Determination of Biogas Production Potential from Animal Manure: A Case Calculation for Adana Province. Ä±ukurova Äœniversitesi MÄ¼hendislik-Mimarlık FakÄ¼ltesi Dergisi, 2019, 34, 35-48.	0.1	16
21	Adsorption of Nitrogen Dioxide (NO2) for Different Gas Concentrations, Temperatures and Relative Humidities by using Activated Carbon Filter: An Experimental Study. International Journal of Advanced Engineering Research and Science, 2018, 5, 205-211.	0.0	10
22	Comparison of toluene and cyclohexane as a working fluid of an organic Rankine cycle used for reheat furnace waste heat recovery. International Journal of Exergy, 2016, 19, 420.	0.2	43
23	Parametric optimization and exergetic analysis comparison of subcritical and supercritical organic Rankine cycle (ORC) for biogas fuelled combined heat and power (CHP) engine exhaust gas waste heat. Energy, 2016, 111, 923-932.	4.5	150