

Tomasz Kowalczyk

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

281
citations

1163117

8
h-index

1058476

14
g-index

22
all docs

22
docs citations

22
times ranked

240
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermodynamic and economic comparative analyses of a hierarchic gas-gas combined heat and power (CHP) plant coupled with a compressor heat pump. <i>Energy</i> , 2022, 244, 123116.	8.8	2
2	Comparative analysis of hybrid energy storage based on a gas-gas system and a conventional compressed air energy storage based on a recuperated gas turbine round trip efficiency, exergy losses, and heat exchanges start-up losses. <i>Energy Conversion and Management</i> , 2022, 258, 115467.	9.2	8
3	Experimental and theoretical study of a vertical tube in shell storage unit with biodegradable PCM for low temperature thermal energy storage applications. <i>Applied Thermal Engineering</i> , 2021, 183, 116216.	6.0	16
4	Thermodynamic and Economic Analysis of a Gas Turbine Set Coupled with a Turboexpander in a Hierarchical Gas-Gas System. <i>Power Systems</i> , 2021, , 35-63.	0.5	0
5	Replacing Natural Gas in a Gas-Gas Engine with Nuclear Fuel. <i>Power Systems</i> , 2021, , 143-146.	0.5	0
6	Thermodynamic and Economic Analysis of Trigenation System with a Hierarchical Gas-Gas Engine for Production of Electricity, Heat and Cold. <i>Power Systems</i> , 2021, , 65-97.	0.5	0
7	Hierarchical Gas-Gas Systems. <i>Power Systems</i> , 2021, , .	0.5	1
8	Thermodynamic and Economic Analysis of a Hierarchical Gas-Gas Engine Integrated with a Compressed Air Storage. <i>Power Systems</i> , 2021, , 115-142.	0.5	0
9	Thermodynamic and economic analysis of the hierarchic gas-gas power plant cooperating with a compressed air energy storage. <i>Energy Conversion and Management</i> , 2021, 234, 113918.	9.2	4
10	Thermodynamic and economic analysis of a hierarchical gas-gas nuclear power plant with a high-temperature reactor and helium as a circulating medium. <i>Nuclear Engineering and Design</i> , 2021, 382, 111371.	1.7	4
11	Comparative study of a bottoming SRC and ORC for Joule-Brayton cycle cooling modular HTR exergy losses, fluid-flow machinery main dimensions, and partial loads. <i>Energy</i> , 2020, 206, 118072.	8.8	15
12	Energy and exergy analysis of hydrogen production combined with electric energy generation in a nuclear cogeneration cycle. <i>Energy Conversion and Management</i> , 2019, 198, 111805.	9.2	47
13	On energy, exergy, and environmental aspects of a combined gas-steam cycle for heat and power generation undergoing a process of retrofitting by steam injection. <i>Energy Conversion and Management</i> , 2019, 192, 374-384.	9.2	38
14	The thermal effort during marine steam turbine flooding with water. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	2
15	Zero-dimensional robust model of an SOFC with internal reforming for hybrid energy cycles. <i>Energy</i> , 2018, 158, 128-138.	8.8	50
16	On low-grade waste heat utilization from a supercritical steam power plant using an ORC-bottoming cycle coupled with two sources of heat. <i>Energy Conversion and Management</i> , 2017, 146, 158-173.	9.2	51
17	Exergy analysis of the Szewalski cycle with a waste heat recovery system. <i>Archives of Thermodynamics</i> , 2015, 36, 25-48.	1.0	5
18	Exergy Losses in the Szewalski Binary Vapor Cycle. <i>Entropy</i> , 2015, 17, 7242-7265.	2.2	24

#	ARTICLE	IF	CITATIONS
19	Enhanced energy conversion as a result of fluid-solid interaction in micro- and nanoscale. Journal of Theoretical and Applied Mechanics, 0, , 329.	0.5	14