

Mykola Radchenko

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

405
citations

567281

15
h-index

794594

19
g-index

29
all docs

29
docs citations

29
times ranked

48
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving the efficiency of heat recovery circuits of cogeneration plants with combustion of water-fuel emulsions. <i>Thermal Science</i> , 2021, 25, 791-800.	1.1	31
2	Innovative Turbine Intake Air Cooling Systems and Their Rational Designing. <i>Energies</i> , 2020, 13, 6201.	3.1	29
3	Rational loads of turbine inlet air absorption-ejector cooling systems. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2022, 236, 450-462.	1.4	24
4	Enhancing the Utilization of Gas Engine Module Exhaust Heat by Two-stage Chillers for Combined Electricity, Heat and Refrigeration. , 2018, , .		22
5	Monitoring the Fuel Efficiency of Gas Engine in Integrated Energy System. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 361-370.	0.6	22
6	Enhancement of the Operation Efficiency of the Transport Air Conditioning System. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 332-342.	0.4	22
7	The Efficiency of Refrigeration Capacity Regulation in the Ambient Air Conditioning Systems. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 343-353.	0.4	22
8	Statistical Approach to Improve the Efficiency of Air Conditioning System Performance in Changeable Climatic Conditions. , 2018, , .		21
9	Monitoring the efficiency of cooling air at the inlet of gas engine in integrated energy system. <i>Thermal Science</i> , 2022, 26, 185-194.	1.1	21
10	Semi-Empirical Correlations of Pollution Processes on the Condensation Surfaces of Exhaust Gas Boilers with Water-Fuel Emulsion Combustion. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 853-862.	0.4	19
11	Determination of hydraulic resistance of the aerothermopressor for gas turbine cyclic air cooling. <i>E3S Web of Conferences</i> , 2020, 180, 01012.	0.5	17
12	Energy Saving in Trigeneration Plant for Food Industries. <i>Energies</i> , 2022, 15, 1163.	3.1	17
13	The Effect of Microencapsulated PCM Slurry Coolant on the Efficiency of a Shell and Tube Heat Exchanger. <i>Energies</i> , 2022, 15, 5142.	3.1	16
14	Optimal Sizing of the Evaporation Chamber in the Low-Flow Aerothermopressor for a Combustion Engine. <i>Lecture Notes in Mechanical Engineering</i> , 2021, , 654-663.	0.4	15
15	Gas Turbine Intake Air Hybrid Cooling Systems and a New Approach to Their Rational Designing. <i>Energies</i> , 2022, 15, 1474.	3.1	15
16	Cooling Cyclic Air of Marine Engine with Water-Fuel Emulsion Combustion by Exhaust Heat Recovery Chiller. <i>Energies</i> , 2022, 15, 248.	3.1	15
17	Analysis of Efficiency of Thermopressor Application for Internal Combustion Engine. <i>Energies</i> , 2022, 15, 2250.	3.1	14
18	Research of characteristics of the flow part of an aerothermopressor for gas turbine intercooling air. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2022, 236, 634-646.	1.4	14

#	ARTICLE	IF	CITATIONS
19	Gas turbine intake air hybrid cooling systems and their rational designing. E3S Web of Conferences, 2021, 323, 00030.	0.5	3
20	Innovative combined in-cycle trigeneration technologies for food industries. E3S Web of Conferences, 2021, 323, 00029.	0.5	3
21	Rational Thermal Loading the Engine Inlet Air Chilling Complex with Cooling Towers. Lecture Notes in Mechanical Engineering, 2021, , 724-733.	0.4	2
22	Analysis of Operation of Ambient Air Conditioning Systems with Refrigeration Machines of Different Types. Lecture Notes in Networks and Systems, 2021, , 545-555.	0.7	1
23	Analysis of the Effectiveness of the Thermopressor for Charge Air Cooling of Marine Engines. Lecture Notes in Mechanical Engineering, 2022, , 582-591.	0.4	0