Roman Radchenko

List of Publications by Year
in descending order

25 papers	411 citations	567281 15 h-index	752698 20 g-index
31 all docs	31 docs citations	31 times ranked	56 citing authors

#	Article	IF	Citations
1	Improving the efficiency of heat recovery circuits of cogeneration plants with combustion of water-fuel emulsions. Thermal Science, 2021, 25, 791-800.	1.1	31
2	An Innovative Air Conditioning System for Changeable Heat Loads. Lecture Notes in Mechanical Engineering, 2020, , 616-625.	0.4	25
3	Rational loads of turbine inlet air absorption-ejector cooling systems. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 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	Improving the Ecological and Energy Efficiency of Internal Combustion Engines by Ejector Chiller Using Recirculation Gas Heat. Lecture Notes in Networks and Systems, 2021, , 531-541.	0.7	21
6	Improvement of Characteristics of Water-Fuel Rotary Cup Atomizer in a Boiler. Lecture Notes in Mechanical Engineering, 2021, , 664-674.	0.4	19
7	Investigation of Condensing Heating Surfaces with Reduced Corrosion of Boilers with Water-Fuel Emulsion Combustion. Lecture Notes in Networks and Systems, 2021, , 300-309.	0.7	19
8	Semi-Empirical Correlations of Pollution Processes on the Condensation Surfaces of Exhaust Gas Boilers with Water-Fuel Emulsion Combustion. Lecture Notes in Mechanical Engineering, 2020, , 853-862.	0.4	19
9	Characteristics of the Rotary Cup Atomizer Used as Afterburning Installation in Exhaust Gas Boiler Flue. Lecture Notes in Mechanical Engineering, 2020, , 302-311.	0.4	19
10	Experimental Research of the Excessive Water Injection Effect on Resistances in the Flow Part of a Low-Flow Aerothermopressor. Lecture Notes in Mechanical Engineering, 2020, , 292-301.	0.4	18
11	Determination of hydraulic resistance of the aerothermopressor for gas turbine cyclic air cooling. E3S Web of Conferences, 2020, 180, 01012.	0.5	17
12	Gas turbine unite inlet air cooling by using an excessive refrigeration capacity of absorption-ejector chiller in booster air cooler. E3S Web of Conferences, 2018, 70, 03012.	0.5	16
13	Capture of Pollutants from Exhaust Gases by Low-Temperature Heating Surfaces. Energies, 2022, 15, 120.	3.1	16
14	Enhancing the Efficiency of Marine Diesel Engine by Deep Waste Heat Recovery on the Base of Its Simulation Along the Route Line. Advances in Intelligent Systems and Computing, 2020, , 337-350.	0.6	15
15	Correlations for Pollution on Condensing Surfaces of Exhaust Gas Boilers with Water-Fuel Emulsion Combustion. Lecture Notes in Mechanical Engineering, 2020, , 530-539.	0.4	15
16	Gas Turbine Intake Air Hybrid Cooling Systems and a New Approach to Their Rational Designing. Energies, 2022, 15, 1474.	3.1	15
17	Cooling Cyclic Air of Marine Engine with Water-Fuel Emulsion Combustion by Exhaust Heat Recovery Chiller. Energies, 2022, 15, 248.	3.1	15
18	Analysis of Efficiency of Thermopressor Application for Internal Combustion Engine. Energies, 2022, 15, 2250.	3.1	14

#	Article	IF	Citations
19	Research of characteristics of the flow part of an aerothermopressor for gas turbine intercooling air. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2022, 236, 634-646.	1.4	14
20	Thermal Characteristics of the Wet Pollution Layer on Condensing Heating Surfaces of Exhaust Gas Boilers. Lecture Notes in Mechanical Engineering, 2021, , 339-348.	0.4	5
21	Enhancing Energy Efficiency of Ship Diesel Engine with Gas Ecological Recirculation. Lecture Notes in Mechanical Engineering, 2021, , 391-400.	0.4	3
22	Analysing the efficiency of thermopressor application in the charge air cooling system of combustion engine. E3S Web of Conferences, 2021, 323, 00017.	0.5	2
23	Cooling intake air of marine engine with water-fuel emulsion combustion by ejector chiller. E3S Web of Conferences, 2021, 323, 00031.	0.5	2
24	Improvement of Environmental and Energy Efficiency of Marine Engines by Utilizing the Ecological Recirculation of Gas Heat in an Absorption Chiller. Lecture Notes in Mechanical Engineering, 2022, , 644-654.	0.4	1
25	Absorption of pollutants from exhaust gases by low-temperature heating surfaces. E3S Web of Conferences, 2021, 323, 00018.	0.5	1