

# Roman Radchenko

## List of Publications by Year in descending order

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Version: 2024-02-01

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	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
2	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
3	Gas Turbine Intake Air Hybrid Cooling Systems and a New Approach to Their Rational Designing. Energies, 2022, 15, 1474.	3.1	15
4	Analysis of Efficiency of Thermopressor Application for Internal Combustion Engine. Energies, 2022, 15, 2250.	3.1	14
5	Capture of Pollutants from Exhaust Gases by Low-Temperature Heating Surfaces. Energies, 2022, 15, 120.	3.1	16
6	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
7	Cooling Cyclic Air of Marine Engine with Water-Fuel Emulsion Combustion by Exhaust Heat Recovery Chiller. Energies, 2022, 15, 248.	3.1	15
8	Improvement of Characteristics of Water-Fuel Rotary Cup Atomizer in a Boiler. Lecture Notes in Mechanical Engineering, 2021, , 664-674.	0.4	19
9	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
10	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
11	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
12	Enhancing Energy Efficiency of Ship Diesel Engine with Gas Ecological Recirculation. Lecture Notes in Mechanical Engineering, 2021, , 391-400.	0.4	3
13	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
14	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
15	Cooling intake air of marine engine with water-fuel emulsion combustion by ejector chiller. E3S Web of Conferences, 2021, 323, 00031.	0.5	2
16	Absorption of pollutants from exhaust gases by low-temperature heating surfaces. E3S Web of Conferences, 2021, 323, 00018.	0.5	1
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	An Innovative Air Conditioning System for Changeable Heat Loads. Lecture Notes in Mechanical Engineering, 2020, , 616-625.	0.4	25
21	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
22	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
23	Determination of hydraulic resistance of the aerothermopressor for gas turbine cyclic air cooling. E3S Web of Conferences, 2020, 180, 01012.	0.5	17
24	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
25	Enhancing the Utilization of Gas Engine Module Exhaust Heat by Two-stage Chillers for Combined Electricity, Heat and Refrigeration. , 2018, , .		22