

Denis Balzamov

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

157
citations

1040056

9
h-index

1281871

11
g-index

38
all docs

38
docs citations

38
times ranked

13
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of the possibility of modernization of the state district power station by building the combined cycle plant. Journal of Physics: Conference Series, 2020, 1515, 042100.	0.4	17
2	An analysis of the viability of implementing steam screw machines at the facilities of energy generation enterprises to reduce the energy costs for their own need. E3S Web of Conferences, 2019, 124, 01016.	0.5	13
3	Increase of efficiency of heat sources work due to application of condensation economizers on an example of a boiler PTVM-180. IOP Conference Series: Materials Science and Engineering, 2018, 412, 012007.	0.6	12
4	Increasing efficiency of technological steam consumption at oil and gas enterprise. IOP Conference Series: Materials Science and Engineering, 2020, 862, 062043.	0.6	12
5	Efficiency increase of gas turbine work in the summer period. IOP Conference Series: Materials Science and Engineering, 2019, 570, 012008.	0.6	11
6	Options for organizing own sources of energy supply at the facilities of generating companies based on steam screw machines. Journal of Physics: Conference Series, 2019, 1399, 055018.	0.4	9
7	Modernization of the scheme for the delivery of thermal power from the state district power station. IOP Conference Series: Materials Science and Engineering, 2020, 734, 012194.	0.6	9
8	The beneficial using the heat of the exhaust gases of the furnaces of the technological unit for the ethylene oxide production. IOP Conference Series: Materials Science and Engineering, 2020, 862, 062044.	0.6	9
9	Optimization of Thermal Conditions of Heat Recovery Boilers with Regenerative Heating in the High-Temperature Section of Isoamylene Dehydrogenation. International Journal of Technology, 2020, 11, 1598.	0.8	9
10	Obtaining medium molecular characteristics of cation copolymerization of isobutylene and isoprene. IOP Conference Series: Materials Science and Engineering, 2020, 862, 062045.	0.6	8
11	Possibility of using associated petroleum gas as a fuel for a production boiler house. IOP Conference Series: Materials Science and Engineering, 2020, 791, 012006.	0.6	8
12	Analysis of the technique of software products for the selection of heat-insulating materials for heat networks pipelines. IOP Conference Series: Materials Science and Engineering, 2019, 570, 012009.	0.6	7
13	Development of an application of a pipeline network calculation. Journal of Physics: Conference Series, 2020, 1515, 032052.	0.4	5
14	Beneficial use of thermal secondary energy resources in the rectification cycle at ethylene glycol production unit. IOP Conference Series: Materials Science and Engineering, 2020, 919, 062027.	0.6	4
15	Heat transfer efficiency in PEBC synthesis. IOP Conference Series: Materials Science and Engineering, 2020, 791, 012071.	0.6	3
16	Monte Carlo method for modelling the copolymerization of isobutylene and isoprene. IOP Conference Series: Earth and Environmental Science, 2021, 677, 052062.	0.3	3
17	Reliability assurance of the thermal energy sources using the neural network modelling. E3S Web of Conferences, 2020, 216, 01036.	0.5	3
18	Selection of the optimal type of thermal insulation structure based on the neural network modelling. E3S Web of Conferences, 2020, 216, 01037.	0.5	3

#	ARTICLE	IF	CITATIONS
19	Evaluation of the applicability of pre-evaporative cooling of air in front of the cooling tower in the conditions of the third climatic zone of the Russian Federation. IOP Conference Series: Materials Science and Engineering, 2018, 412, 012006.	0.6	2
20	Development of a program for determining the Hirsch index using Web of Science and Scopus pages (by Research Id and Author Id). Journal of Physics: Conference Series, 2019, 1399, 033092.	0.4	2
21	Calculation of permissible monomer conversion in cascade polymerizers during the synthesis of general-purpose rubbers. IOP Conference Series: Materials Science and Engineering, 0, 734, 012203.	0.6	2
22	Analysis of the feasibility of using a steam turbine drive for feed pumps of a thermal power plant. AIP Conference Proceedings, 2022, , .	0.4	2
23	Ensuring the efficient operation of a combined-cycle gas plant in the warm season. IOP Conference Series: Materials Science and Engineering, 2021, 1047, 012170.	0.6	1
24	Use of a condensate to prepare the feed water for the waste heat boilers. IOP Conference Series: Materials Science and Engineering, 2021, 1047, 012173.	0.6	1
25	Dependence of gas turbines on the type and state of filtering elements. AIP Conference Proceedings, 2021, , .	0.4	1
26	Influence of the type of filter elements on the efficiency of gas turbine installations. AIP Conference Proceedings, 2021, , .	0.4	1
27	Kinetic scheme of the SDRC rubber synthesis process. IOP Conference Series: Earth and Environmental Science, 2020, 548, 062031.	0.3	0
28	Identification of the mechanism of SDRC rubber synthesis process. IOP Conference Series: Earth and Environmental Science, 2020, 548, 062026.	0.3	0
29	Influence of main chain transmitters and cross-growth reaction on characteristics of SDRC rubber. IOP Conference Series: Materials Science and Engineering, 2020, 862, 062080.	0.6	0
30	Transfer of the steam turbine PT-60-130/13 to the adventure ДТ-27/33-1,28 with the replacement of electric motors of feeding electric pumps with a steam turbine drive. IOP Conference Series: Materials Science and Engineering, 2021, 1089, 012009.	0.6	0
31	Basics of Developing a Web-Based Software Complex for Calculating the Chemical Process Characteristics. Lecture Notes in Networks and Systems, 2022, , 412-418.	0.7	0
32	Organization of the fuel heating reserve system on the basis of associated petroleum gas. IOP Conference Series: Materials Science and Engineering, 2020, 919, 062029.	0.6	0
33	Effect of air filtration system on gas turbine performance. AIP Conference Proceedings, 2021, , .	0.4	0
34	Kinetic scheme of the synthesis of butadiene rubber on a modified lithium catalytic system taking into account its polycentricity. Journal of Physics: Conference Series, 2021, 2094, 052037.	0.4	0
35	Optimization of the State District Power Station Operation by Entering the Boiler Room for Auxiliary Needs. , 2020, , .		0
36	Identification of the Mechanism of Synthesis of SDRL Rubber. Materials Science Forum, 0, 1049, 211-217.	0.3	0

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37	Determination of the rational diameter of the pipeline using the neural network model. AIP Conference Proceedings, 2022, , .	0.4	0
38	Reconstruction of the amine filtration system. AIP Conference Proceedings, 2022, , .	0.4	0