Aleksei Boikov

List of Publications by Year
in descending order

17 papers	246 citations	1163117 8 h-index	996975 15 g-index
17 all docs	17 docs citations	17 times ranked	117 citing authors

#	Article	IF	Citations
1	Synthetic Data Generation for Steel Defect Detection and Classification Using Deep Learning. Symmetry, 2021, 13, 1176.	2.2	76
2	Automated digitization of radial charts. Journal of Mining Institute, 0, 247, 82-87.	0.8	31
3	The prediction of the residual life of electromechanical equipment based on the artificial neural network. IOP Conference Series: Earth and Environmental Science, 2017, 87, 032056.	0.3	25
4	DEM Calibration Approach: design of experiment. Journal of Physics: Conference Series, 2018, 1015, 032017.	0.4	23
5	Evaluation of bulk material behavior control method in technological units using DEM. Part 2. CIS Iron and Steel Review, 2020, , 3-6.	0.4	16
6	DEM Calibration Approach: Random Forest. Journal of Physics: Conference Series, 2018, 1118, 012009.	0.4	12
7	Technical vision system for analysing the mechanical characteristics of bulk materials. Journal of Physics: Conference Series, 2018, 944, 012021.	0.4	12
8	The control method concept of bulk material behaviour in the pelletizing drum for improving the results of DEM-modeling. CIS Iron and Steel Review, 2019, , 10-13.	0.4	9
9	DEM calibration approach: orthogonal experiment. Journal of Physics: Conference Series, 2019, 1210, 012025.	0.4	8
10	Universal Approach for DEM Parameters Calibration of Bulk Materials. Symmetry, 2021, 13, 1088.	2.2	8
11	DEM Calibration Approach: Implementing Contact Model. Journal of Physics: Conference Series, 2018, 1050, 012014.	0.4	7
12	The probability estimate of the defects of the asynchronous motors based on the complex method of diagnostics. IOP Conference Series: Earth and Environmental Science, 2017, 87, 032055.	0.3	6
13	Hydrocarboaliminate calcium application in aluminum processing for production of special cement brands. Journal of Physics: Conference Series, 2018, 1118, 012018.	0.4	6
14	Optoelectronic method for monitoring the state of the cryolite melt in aluminum electrolyzers. Russian Journal of Non-Ferrous Metals, 2015, 56, 6-9.	0.6	3
15	Evaluation of bulk material behavior control method in technological units using DEM. Part 1. CIS Iron and Steel Review, 2020, , 4-7.	0.4	3
16	APPLICATION OF CARBONACEOUS HOUSEHOLD WASTES AS FUEL FEEDSTOCK AT THERMO METALLURGICAL EQUIPMENT AND PROCESSES. Journal of Ecological Engineering, 2016, 17, 18-21.	1.1	1
17	A Contactless Method of Measuring the Cryolite Ratio in the Electrolytic Production of Aluminum. Measurement Techniques, 2015, 58, 219-222.	0.6	0