

Antonina Karlina

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

42
papers

317
citations

12
h-index

15
g-index

42
ext. papers

365
ext. citations

0.4
avg, IF

3.92
L-index

#	Paper	IF	Citations
42	Capability enhancement of production of activating fluxes for arc welding using ultradispersed products of silicon waste processing. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 411, 012035	0.4	22
41	Application of plasma surface quenching to reduce rail side wear. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 560, 012146	0.4	21
40	Structure of Enriched Ultradisperse Wastes of Silicon Production and Concretes Modified by them. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 463, 042064	0.4	20
39	Comparative evaluation of corrosion resistance of wheel and rail steels in various media. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 560, 012181	0.4	18
38	Processing and Application of Ultra disperse Wastes of Silicon Production in Construction. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 463, 032068	0.4	18
37	Formation and Utilization of Nanostructures Based on Carbon During Primary Aluminum Production. <i>Metallurgist</i> , 2016 , 60, 877-882	0.8	16
36	Processes in the Charge and Hearth Zones of Furnace Working Spaces and Problems in Controlling the Batch Dosing Mode during the Smelting of Industrial Silicon and High-Silicon Ferroalloys. <i>Metallurgist</i> , 2020 , 64, 396-403	0.8	15
35	Simulation of the Energy States of Electrolyzers with Roasted Anodes at Elevated Currents. <i>Metallurgist</i> , 2018 , 61, 943-949	0.8	15
34	Recycling of Electrolyzer Spent Carbon-Graphite Lining with Aluminum Fluoride Regeneration. <i>Metallurgist</i> , 2016 , 60, 571-575	0.8	14
33	Surface hardening of structural steel by cathode spot of welding arc. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 560, 012138	0.4	12
32	Production of new nanostructures for modification of steels and cast irons. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 560, 012183	0.4	12
31	Comparative evaluation of austenite grain in high-strength rail steel during welding, thermal processing and plasma surface hardening. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 560, 012185	0.4	12
30	Plasma-arc surface modification of metals in a liquid medium. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 411, 012013	0.4	12
29	Investigation of macro and micro structures of compounds of high-strength rails implemented by contact butt welding using burning-off. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 560, 012190	0.4	11
28	Complex metallographic researches of 110G13L steel after heat treatment. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 411, 012014	0.4	11
27	Conduct of reduction smelting of metallic silicon: theory and practice. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 411, 012029	0.4	8
26	Comparative metallographic analysis of the structure of St3 steel after being exposed to different ways of work-hardening. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 411, 012012	0.4	7

25	Synthesis and structure of sulfur-containing polymers based on polymer industrial waste applied for rail lubrication. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019 , 229, 012021	0.3	6
24	Aluminium fluoride obtaining from aluminium production wastes. <i>Tsvetnye Metally</i> , 2016 , 23-26	2.1	6
23	Comparative analysis of structural state of welded joints rails using method of Barkhausen effect and ultrasound. <i>Journal of Physics: Conference Series</i> , 2018 , 1118, 012006	0.3	6
22	Automated assessment of the low-rigid composite parts influence on the product assemblability in the GePARD system. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 760, 012038	0.4	5
21	Quality and reliability improvement of tube-tube plate welded joints during welding by pulse pressure. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 560, 012142	0.4	5
20	Specific Features of the Electric Mode of the Technological Process of Smelting of Commercial Silicon. <i>Metallurgist</i> , 2021 , 64, 923-930	0.8	5
19	Selection of control system parameters for production of nanostructures concentrates. <i>Journal of Physics: Conference Series</i> , 2018 , 1118, 012014	0.3	5
18	Environmental benefits of new industrial waste-based lubricant compositions. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019 , 229, 012020	0.3	4
17	Replacement of Graphite by Petroleum Coke in Rail Lubricants. <i>Coke and Chemistry</i> , 2020 , 63, 183-187	0.5	4
16	Determination of the principal coordinates in solving the problem of the vertical dynamics of the vehicle using the method of mathematical modeling. <i>Journal of Physics: Conference Series</i> , 2019 , 1333, 052007	0.3	4
15	Development of the method of electrolyzers' energy mode control for aluminium production. <i>Tsvetnye Metally</i> , 2016 , 38-43	2.1	3
14	The effect of the periodic driving force on a system with two degrees of freedom. <i>Journal of Physics: Conference Series</i> , 2019 , 1333, 052009	0.3	3
13	Approximation of amplitude-frequency characteristics using equidistants. <i>Journal of Physics: Conference Series</i> , 2019 , 1384, 012014	0.3	3
12	Methods for controlling the vibration state of technical facilities. <i>Journal of Physics: Conference Series</i> , 2019 , 1384, 012019	0.3	3
11	Overview of electro physicochemical methods for deburring small-sized high-precision details of coaxial radio components. <i>Journal of Physics: Conference Series</i> , 2020 , 1582, 012041	0.3	2
10	Evaluation of influence of technological parameters on width of strengthened layer in plasma surface hardening of structural steels. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 759, 012002	0.4	2
9	Possibility of obtaining complex form details using additive surface technology. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 759, 012011	0.4	2
8	Researches of metal texture after friction stir welding. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 759, 012009	0.4	2

7	Quality control of welding in titanium panels, made using method of diffusion welding and superplastic forming. <i>Journal of Physics: Conference Series</i> , 2018 , 1118, 012004	0.3	2
6	Removal of burrs from small-size high-precise parts for coaxial radio components. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 832, 012089	0.4	1
5	Dynamic vibration protection of the railway carriage. <i>Journal of Physics: Conference Series</i> , 2019 , 1333, 052018	0.3	
4	Methods of graphitized steels obtaining. <i>Journal of Physics: Conference Series</i> , 2019 , 1353, 012063	0.3	
3	Removal of burrs from small-size high-precise parts for SHF electronics. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019 , 378, 012015	0.3	
2	Vibration state of technical facilities. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019 , 378, 012058	0.3	
1	Introduction of additional inertial couplings in mathematical models of problems of vibration protection and vibration isolation. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019 , 378, 012059	0.3	