

Antonina Karlina

List of Publications by Year in Descending Order

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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 | 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 |
| 41 | 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 |
| 40 | 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 |
| 39 | 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 |
| 38 | 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 |
| 37 | 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 |
| 36 | Researches of metal texture after friction stir welding. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 759, 012009 | 0.4 | 2 |
| 35 | 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 |
| 34 | Replacement of Graphite by Petroleum Coke in Rail Lubricants. <i>Coke and Chemistry</i> , 2020 , 63, 183-187 | 0.5 | 4 |
| 33 | Environmental benefits of new industrial waste-based lubricant compositions. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019 , 229, 012020 | 0.3 | 4 |
| 32 | 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 |
| 31 | 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 |
| 30 | 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 |
| 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 | 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 |
| 27 | 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 |
| 26 | 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 |

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| 25 | 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 |
| 24 | 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 |
| 23 | 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 |
| 22 | Dynamic vibration protection of the railway carriage. <i>Journal of Physics: Conference Series</i> , 2019 , 1333, 052018 | 0.3 | |
| 21 | Methods of graphitized steels obtaining. <i>Journal of Physics: Conference Series</i> , 2019 , 1353, 012063 | 0.3 | |
| 20 | Approximation of amplitude-frequency characteristics using equidistants. <i>Journal of Physics: Conference Series</i> , 2019 , 1384, 012014 | 0.3 | 3 |
| 19 | Methods for controlling the vibration state of technical facilities. <i>Journal of Physics: Conference Series</i> , 2019 , 1384, 012019 | 0.3 | 3 |
| 18 | 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 | |
| 17 | Vibration state of technical facilities. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019 , 378, 012058 | 0.3 | |
| 16 | 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 | |
| 15 | Simulation of the Energy States of Electrolyzers with Roasted Anodes at Elevated Currents. <i>Metallurgist</i> , 2018 , 61, 943-949 | 0.8 | 15 |
| 14 | 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 |
| 13 | Selection of control system parameters for production of nanostructures concentrates. <i>Journal of Physics: Conference Series</i> , 2018 , 1118, 012014 | 0.3 | 5 |
| 12 | 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 |
| 11 | Complex metallographic researches of 110G13L steel after heat treatment. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 411, 012014 | 0.4 | 11 |
| 10 | 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 |
| 9 | 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 |
| 8 | 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 |

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| 7 | 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 |
| 6 | 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 |
| 5 | 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 |
| 4 | Recycling of Electrolyzer Spent Carbon-Graphite Lining with Aluminum Fluoride Regeneration. <i>Metallurgist</i> , 2016 , 60, 571-575 | 0.8 | 14 |
| 3 | Aluminium fluoride obtaining from aluminium production wastes. <i>Tsvetnye Metally</i> , 2016 , 23-26 | 2.1 | 6 |
| 2 | Development of the method of electrolyzers' energy mode control for aluminium production. <i>Tsvetnye Metally</i> , 2016 , 38-43 | 2.1 | 3 |
| 1 | Formation and Utilization of Nanostructures Based on Carbon During Primary Aluminum Production. <i>Metallurgist</i> , 2016 , 60, 877-882 | 0.8 | 16 |