

Alexandr S Arbuz

List of Publications by Year in descending order

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16
papers

122
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1307594

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1281871

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48
citing authors

#	ARTICLE	IF	CITATIONS
1	How gap distance between gold nanoparticles in dimers and trimers on metallic and non-metallic SERS substrates can impact signal enhancement. <i>Nanoscale Advances</i> , 2021, 4, 268-280.	4.6	22
2	Structure and Mechanical Properties of AISI1045 in the Helical Rolling-Pressing Process. <i>Journal of Materials Engineering and Performance</i> , 2020, 29, 315-329.	2.5	3
3	Using of Radial-Shear Rolling to Improve the Structure and Radiation Resistance of Zirconium-Based Alloys. <i>Materials</i> , 2020, 13, 4306.	2.9	20
4	The development and testing of a new method of qualitative analysis of the microstructure quality, for example of steel AISI 321 subjected to radial shear rolling. <i>Physica Scripta</i> , 2019, 94, 105702.	2.5	16
5	Effect of Combined Rolling-ECAP on Ultrafine-Grained Structure and Properties in 6063 Al Alloy. <i>Journal of Materials Engineering and Performance</i> , 2019, 28, 200-210.	2.5	25
6	Study of the effect of radial-shear rolling on the microstructure and mechanical properties of austenitic stainless steel AISI-321. , 2019, , .		0
7	Study of Technology for Ultrafine-Grained Materials for Usage as Materials in Nuclear Power. <i>New Trends in Production Engineering</i> , 2019, 2, 114-125.	0.3	3
8	Combined process- helical rolling-pressing- and its effect on the microstructure of ferrous and non-ferrous materials. <i>Metallurgical Research and Technology</i> , 2018, 115, 213.	0.7	8
9	The effect of radial-shear rolling on microstructure and mechanical properties of stainless austenitic steel AISI-321. <i>MATEC Web of Conferences</i> , 2018, 190, 11003.	0.2	8
10	Evaluation of the effectiveness of the use of horizontal and vertical rolls in the -Rolling-pressing- process on the basis of the stress-strain state studying. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 179, 012047.	0.6	2
11	Computer Simulation of the Combined Process "Helical Rolling-Pressing". <i>Key Engineering Materials</i> , 2016, 716, 614-619.	0.4	10
12	Improving the Methods of Roll Use on Rolling Mills at the Arselormittal Temirtau. <i>Metallurgist</i> , 2015, 58, 896-903.	0.6	1
13	Study the Process of Equal-Channel Angular Pressing with Quasi-Ultra-Small Angles of Joint Channels Using Computer Modeling in Program Complex DEFORM. <i>Advanced Materials Research</i> , 2014, 1030-1032, 1337-1341.	0.3	4
14	Study of Deformation's Indexes of Rolls of Different Designs. <i>Applied Mechanics and Materials</i> , 2013, 378, 394-396.	0.2	0
15	Study of Used Rolls Profile Influence on the Quality of Hot Rolled Metal. <i>Advanced Materials Research</i> , 0, 814, 1-6.	0.3	0
16	Evolution of Material and Properties of CWRM-1700 Rolls. <i>Applied Mechanics and Materials</i> , 0, 496-500, 284-287.	0.2	0