

Alexandr S Arbuz

List of Publications by Year in descending order

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16
papers

122
citations

1307594

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1281871

11
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all docs

16
docs citations

16
times ranked

48
citing authors

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