

Olga V Sizova

List of Publications by Year in descending order

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23
papers

242
citations

1307594

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1125743

13
g-index

23
all docs

23
docs citations

23
times ranked

117
citing authors

#	ARTICLE	IF	CITATIONS
1	Scale-dependent subsurface deformation of metallic materials in sliding. Tribology International, 2010, 43, 695-699.	5.9	46
2	Friction-induced slip band relief of Hadfield steel single crystal oriented for multiple slip deformation. Wear, 2017, 374-375, 5-14.	3.1	40
3	Analysis of acoustic emission during sliding friction of manganese steel. Technical Physics Letters, 2010, 36, 762-765.	0.7	36
4	General regularities of the microstructure formation during friction stir welding and sliding friction. Journal of Friction and Wear, 2015, 36, 127-131.	0.5	33
5	Effect of elastic excitations on the surface structure of hadfield steel under friction. Technical Physics, 2008, 53, 204-210.	0.7	32
6	Sound Generation in Sliding Friction. Technical Physics Letters, 2005, 31, 813.	0.7	22
7	Ultrasonic impact treatment of the welded joint of aluminum-magnesium alloy produced by friction stir welding. AIP Conference Proceedings, 2014, , .	0.4	9
8	Microstructure Features of Aluminum Alloys Welded Joint Obtained by Friction Stir Welding. Advanced Materials Research, 0, 872, 174-179.	0.3	5
9	Structural properties of boride coatings for triboengineering. Metal Science and Heat Treatment, 1995, 37, 257-260.	0.6	4
10	Experimental Research Into Generation of Acoustic Emission Signals in the Process of Friction of Hadfield Steel Single Crystals. IOP Conference Series: Materials Science and Engineering, 2016, 142, 012098.	0.6	4
11	Formation of structural-phase states of the surface of Hadfield steel. Steel in Translation, 2007, 37, 989-990.	0.3	2
12	Multiphase Cu-Ti Coatings coated by Plasma Vacuum-Arc deposition on Cu-Be Alloy Д17200. Metal Working and Material Science, 2020, 22, 137-150.	0.3	2
13	Structure and properties of CrN/TiN multilayer coatings deposited by vacuum arc plasma evaporation on copper and beryllium-copper alloy. , 2022, 25, 35-46.		2
14	Abrasive wear of steel in molding equipment. Glass and Ceramics (English Translation of Steklo I) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 2	0.6	1
15	Nanoindentation of the surface layer of Hadfield's steel after sliding friction. Technical Physics Letters, 2007, 33, 1038-1042.	0.7	1
16	Theoretical and experimental study of the healing of surface cracks using induction heating. Inorganic Materials: Applied Research, 2010, 1, 353-358.	0.5	1
17	The microstructure of aluminum-magnesium alloy friction stir weld. , 2014, , .		1
18	Structural Features of Laser Welded 13Mn6 Constructional Steel. Metal Working and Material Science, 2018, 20, 123-133.	0.3	1

#	ARTICLE	IF	CITATIONS
19	Hardening treatment for the sliding supports of drill bits. Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie), 1993, 29, 188-190.	0.3	0
20	Features of work hardening of Kh18N10T steel under conditions of cold electrostimulated drawing. Strength of Materials, 1993, 25, 433-436.	0.5	0
21	Strengthening of equipment for molding articles from clay mixtures. Glass and Ceramics (English) Tj ETQq1 1 0.784314 rgBT /Overlo 0.6	0.6	0
22	Aging of steel 12Kh1MF heated in water with organic additives. Russian Physics Journal, 1994, 37, 367-370.	0.4	0
23	Comparative analysis of the friction stir welded aluminum-magnesium alloy joint grain structure. AIP Conference Proceedings, 2015, , .	0.4	0