Nikolay Sergeev

List of Publications by Year
in descending order

25	78	1478505 6	1474206 9
papers	citations	h-index	g-index

25	25	25	21
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Features of softening processes of aluminum, copper, and their alloys under hot deformation. Inorganic Materials: Applied Research, 2015, 6, 32-40.	0.5	12
2	Grain size effect of austenite on the kinetics of pearlite transformation in low- and medium-carbon low-alloy steels. Inorganic Materials: Applied Research, 2015, 6, 41-44.	0.5	10
3	Maximum plastic strengthening in tool steels. Steel in Translation, 2017, 47, 399-411.	0.3	10
4	Investigation of the Pivoting Friction of ShKh15 Steel over R6M5 and 10R6M5-MP Steel with the Use of Mathematical Modeling. Inorganic Materials: Applied Research, 2019, 10, 927-932.	0.5	8
5	Decarburization and the Influence of Laser Cutting on Steel Structure. Steel in Translation, 2018, 48, 313-319.	0.3	7
6	Mechanism of the Hydrogen Cracking of Metals and Alloys, Part II (Review). Inorganic Materials: Applied Research, 2019, 10, 32-41.	0.5	7
7	Development of Damage and Decarburization of High-Strength Low-Alloy Steels Under Hydrogen Embrittlement. Metal Science and Heat Treatment, 2015, 57, 63-68.	0.6	5
8	Mechanism of the Hydrogen Cracking of Metals and Alloys, Part I (Review). Inorganic Materials: Applied Research, 2019, 10, 24-31.	0.5	5
9	Sintered titanium carbide hard alloys. Soviet Powder Metallurgy and Metal Ceramics (English) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.1	3
10	Increasing the resistance of heat-treated rolled bars to hydrogen embrittlement and cracking. Soviet Materials Science, 1978, 13, 600-601.	0.0	2
11	The physicomechanical properties of 20GS2 steel after holding under stress in a solution of nitrates. Soviet Materials Science, 1980, 15, 651-654.	0.0	2
12	Hydrogen embrittlement of 20GS2 reinforcing steel in long-term strength tests. Soviet Materials Science, 1981, 17, 17-20.	0.0	2
13	Effect of the strength of reinforcing steel on resistance to hydrogen-inducing environments. Metal Science and Heat Treatment, 1984, 26, 857-859.	0.6	2
14	Power Required in the Plastic Deformation of Metallic Powder Materials. Steel in Translation, 2018, 48, 597-602.	0.3	1
15	Formation of Plastic Zones near Spherical Cavity in Hardened Low-Carbon Steels under Conditions of Hydrogen Stress Corrosion. Inorganic Materials: Applied Research, 2018, 9, 663-669.	0.5	1
16	Influence of Operating Modes of High-Temperature Thermomechanical Processing on Mechanical Properties of Reinforcing Bars. Proceedings of Southwest State University, 2019, 23, 29-52.	0.4	1
17	Effect of stress level on hydrogen damage to reinforcing steel. Metal Science and Heat Treatment, 1973, 15, 421-423.	0.6	0
18	Effect of alloying with zirconium on susceptibility of steel to corrosion cracking after high-temperature thermomechanical treatment. Soviet Materials Science, 1976, 11, 601-602.	0.0	0

#	Article	IF	Citations
19	Investigation of the mobility of microcracks in structural steel during long-term tests in hydrogen-bearing media. Soviet Materials Science, 1976, 11, 639-642.	0.0	0
20	Effect of local microstresses on long-term strength during testing in media causing hydrogen absorption. Soviet Materials Science, 1977, 13, 15-19.	0.0	0
21	The decarburization of steel in a corrosive medium. Soviet Materials Science, 1981, 17, 140-142.	0.0	0
22	Influence of the condition of the surface layer of high-strength steel reinforcing on its resistance to hydrogen embrittlement. Soviet Materials Science, 1981, 16, 459-461.	0.0	0
23	Properties of steel 30KhGSA melted from different charges. Metal Science and Heat Treatment, 1988, 30, 656-660.	0.6	0
24	Concept of Plastic Gas and Model Medium for Dilatable Isotropic Materials. Inorganic Materials: Applied Research, 2019, 10, 721-725.	0.5	0
25	On the Influence of Internal and External Factors on the Processes of Corrosion-Mechanical Fracture of High-Strength Low-Alloy Steels. Nanoarchitectonics, 0, , 88-100.	0.4	0