

Maxim Pugachev

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

90
citations

1937685

4
h-index

1474206

9
g-index

31
all docs

31
docs citations

31
times ranked

72
citing authors

#	ARTICLE	IF	CITATIONS
1	Deposition of Brass Coating by a Method of Cold Gas-Dynamic Spraying. Inorganic Materials: Applied Research, 2021, 12, 686-690.	0.5	2
2	Laser shock processing of metal surfaces with cracks. IOP Conference Series: Materials Science and Engineering, 2020, 919, 052048.	0.6	1
3	Methods of estimating local microdeformation in the sample with defect. IOP Conference Series: Materials Science and Engineering, 2020, 747, 012025.	0.6	1
4	Influence of technological parameters of spraying on mechanical properties of gas-dynamic coatings. IOP Conference Series: Materials Science and Engineering, 2020, 759, 012018.	0.6	0
5	Structural and Phase Transformations in a Coating Based on Copper and Zinc Particles Deposited by Gas Dynamic Spraying. Metal Science and Heat Treatment, 2020, 62, 274-278.	0.6	2
6	The effect of structural factors on tribological behaviour of copper-zinc gas-dynamic coatings. IOP Conference Series: Materials Science and Engineering, 2020, 996, 012002.	0.6	0
7	Fatigue crack development experimental simulation in a railway structures steel under working load. IOP Conference Series: Materials Science and Engineering, 2020, 747, 012023.	0.6	0
8	Antifriction wear-resistant coatings process development for sliding bearing friction surfaces of submersible pumps. IOP Conference Series: Materials Science and Engineering, 2020, 747, 012035.	0.6	1
9	Characteristics of Development of Fatigue Cracks in Steel under Low-Level Operation Loading. Journal of Machinery Manufacture and Reliability, 2020, 49, 144-149.	0.5	2
10	Effect of the Structural Material Strength of a Case of Solid Propellant Charges on the Performance of a Pulsating Explosive Device. Journal of Machinery Manufacture and Reliability, 2020, 49, 224-231.	0.5	0
11	The use of laser shock processing for extension of service life of critical units of aircraft engines after the foreign object damage. Journal of Physics: Conference Series, 2020, 1713, 012038.	0.4	0
12	Estimation of the cohesive strength of coatings made of powder materials. Journal of Physics: Conference Series, 2019, 1281, 012056.	0.4	0
13	The structure and properties of the coating based on particles of copper and zinc deposited by gas-dynamic spraying. IOP Conference Series: Materials Science and Engineering, 2019, 489, 012011.	0.6	1
14	Experimental studies of the materials strength properties of magazine materials of explosive reactive complexes for drilling the rocks of the different strength categories. Procedia Structural Integrity, 2019, 20, 119-123.	0.8	0
15	Peculiarities of the "brass" coating formation applied by gas-dynamic spraying. Journal of Physics: Conference Series, 2019, 1396, 012004.	0.4	0
16	Thermal relaxation of residual stresses, arising in heat-resistant materials after application of laser shock processing technology. Journal of Physics: Conference Series, 2019, 1396, 012034.	0.4	0
17	Influence of laser shock processing technology on a fatigue life of stainless steel specimen. Journal of Physics: Conference Series, 2019, 1396, 012036.	0.4	0
18	Features of the formation process of brass coating by gas-dynamic deposition of copper and zinc particles. Procedia Structural Integrity, 2019, 20, 124-129.	0.8	0

#	ARTICLE	IF	CITATIONS
19	Method for determining the composite and real hardness of hardened surfaces considering the effect of retained stresses in the coating. IOP Conference Series: Materials Science and Engineering, 2019, 489, 012024.	0.6	0
20	Determination of Damage Tolerance of Steel Cast Items of Railway Structures. Journal of Machinery Manufacture and Reliability, 2018, 47, 532-536.	0.5	2
21	Gas-dynamic coatings. Russian Engineering Research, 2017, 37, 321-325.	0.6	6
22	Two-sided laser shock processing. Russian Engineering Research, 2017, 37, 40-45.	0.6	6
23	Calculation of the parameters of the Lennard-Jones potential for pairs of identical atoms based on the properties of solid substances. Inorganic Materials: Applied Research, 2015, 6, 1-4.	0.5	54
24	Stages of the development of fatigue cracks in low-carbon steel under irregular loading conditions. Journal of Machinery Manufacture and Reliability, 2015, 44, 131-134.	0.5	3
25	An increase in life times of products with gas-dynamic spray coatings. Journal of Machinery Manufacture and Reliability, 2013, 42, 495-499.	0.5	4
26	Studies of deformation properties of single-crystal material based on zirconium dioxide with application of photoelastic coatings. Inorganic Materials, 2011, 47, 1604-1607.	0.8	0
27	The strength of a new monocrystalline zirconia-based material partially stabilized by yttrium oxide. Journal of Machinery Manufacture and Reliability, 2008, 37, 452-459.	0.5	5
28	V International Scientific Conference "Survivability and Structural Material Science" (SSMS 2020), 27-29 October 2020, Moscow, Russia.. IOP Conference Series: Materials Science and Engineering, 0, 1023, 011001.	0.6	0
29	Threshold level of cast railway steel loading in the process of operation. IOP Conference Series: Materials Science and Engineering, 0, 1023, 012016.	0.6	0
30	The effect of process parameters of gas-dynamic spray on generation of brass-type coating structure. IOP Conference Series: Materials Science and Engineering, 0, 1023, 012004.	0.6	0