

Vladimir V Promakhov

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

225
citations

1163117

8
h-index

996975

15
g-index

24
all docs

24
docs citations

24
times ranked

161
citing authors

#	ARTICLE	IF	CITATIONS
1	The Application of External Fields to the Manufacturing of Novel Dense Composite Master Alloys and Aluminum-Based Nanocomposites. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2015, 46, 2870-2875.	2.2	57
2	Structural and mechanical properties of aluminium-based composites processed by explosive compaction. Powder Technology, 2017, 313, 251-259.	4.2	27
3	Inconel 625/TiB2 Metal Matrix Composites by Direct Laser Deposition. Metals, 2019, 9, 141.	2.3	25
4	Structure and Properties of ZrO ₂ -20%Al ₂ O ₃ Ceramic Composites Obtained Using Additive Technologies. Materials, 2018, 11, 2361.	2.9	24
5	The Impact of Particle Reinforcement with Al ₂ O ₃ , TiB ₂ , and TiC and Severe Plastic Deformation Treatment on the Combination of Strength and Electrical Conductivity of Pure Aluminum. Metals, 2019, 9, 65.	2.3	21
6	Influence of Vibration Treatment and Modification of A356 Aluminum Alloy on Its Structure and Mechanical Properties. Metals, 2019, 9, 87.	2.3	17
7	Heat Treatment of Corrosion Resistant Steel for Water Propellers Fabricated by Direct Laser Deposition. Materials, 2020, 13, 2738.	2.9	13
8	Review of the Problems of Additive Manufacturing of Nanostructured High-Energy Materials. Materials, 2021, 14, 7394.	2.9	9
9	Structure and Properties of Metal-Matrix Composites Based on an Inconel 625-TiB ₂ System Fabricated by Additive Manufacturing. Metals, 2022, 12, 525.	2.3	7
10	Synthesis of Metal Matrix Composites Based on Cr _x Ni _y -TiN for Additive Technology. Materials, 2021, 14, 5914.	2.9	6
11	Al-Ti-B ₄ C materials obtained by high-temperature synthesis and used as a master-alloy for aluminum. MATEC Web of Conferences, 2018, 243, 00010.	0.2	3
12	Combustion Synthesis of Composition Ferroalloys. Materials, 2018, 11, 2117.	2.9	3
13	Self-propagating high-temperature synthesis of energetic borides. AIP Conference Proceedings, 2016, , .	0.4	2
14	Experimental study of the boron-containing mixtures burning rate. MATEC Web of Conferences, 2017, 110, 01022.	0.2	2
15	Influence of scandium fluoride on the structure and phase composition of Al-Si alloy. MATEC Web of Conferences, 2018, 243, 00020.	0.2	2
16	Effect of mechanical activation duration on combustion parameters of Al-Mg-based high-energy systems. MATEC Web of Conferences, 2018, 243, 00013.	0.2	2
17	Numerical study of mechanical behavior of ceramic composites under compression loading in the framework of movable cellular automaton method. , 2014, , .		1
18	On the dependence of effective mechanical properties of ceramics on partial concentrations of different size pores in its structure. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
19	On the possibility to fabricate ceramics using fused deposition modeling. AIP Conference Proceedings, 2016, , .	0.4	1
20	Influence the carbon nanotubes on the structure and mechanical properties of aluminum-based metal matrix composites. AIP Conference Proceedings, 2016, , .	0.4	1
21	Powders of metal borides obtained by the SHS method and low-temperature plasma. MATEC Web of Conferences, 2018, 243, 00015.	0.2	1
22	Combustion Synthesis of Chromium Nitrides. Metals, 2019, 9, 98.	2.3	0
23	Investigation of the dynamic behaviour ceramic matrix composites obtained by additive technologies. Materials Research Express, 2021, 8, 026503.	1.6	0
24	Investigation of the machinability by milling of the laser sintered Inconel 625/NiTi-TiB2 composite. Metal Working and Material Science, 2021, 23, 21-32.	0.3	0