Vladimir V Promakhov

List of Publications by Year
in descending order

24	225	1163117 8	996975 15
papers	citations	h-index	g-index

24	24	24	161
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structure and Properties of Metal-Matrix Composites Based on an Inconel 625â€“TiB2 System Fabricated by Additive Manufacturing. Metals, 2022, 12, 525.	2.3	7
2	Investigation of the dynamic behaviour ceramic matrix composites obtained by additive technologies. Materials Research Express, 2021, 8, 026503.	1.6	0
3	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
4	Synthesis of Metal Matrix Composites Based on CrxNiy-TiN for Additive Technology. Materials, 2021, 14, 5914.	2.9	6
5	Review of the Problems of Additive Manufacturing of Nanostructured High-Energy Materials. Materials, 2021, 14, 7394.	2.9	9
6	Heat Treatment of Corrosion Resistant Steel for Water Propellers Fabricated by Direct Laser Deposition. Materials, 2020, 13, 2738.	2.9	13
7	Combustion Synthesis of Chromium Nitrides. Metals, 2019, 9, 98.	2.3	0
8	The Impact of Particle Reinforcement with Al2O3, TiB2, 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
9	Inconel 625/TiB2 Metal Matrix Composites by Direct Laser Deposition. Metals, 2019, 9, 141.	2.3	25
10	Influence of Vibration Treatment and Modification of A356 Aluminum Alloy on Its Structure and Mechanical Properties. Metals, 2019, 9, 87.	2.3	17
11	Powders of metal borides obtained by the SHS method and low-temperature plasma. MATEC Web of Conferences, 2018, 243, 00015.	0.2	1
12	Influence of scandium fluoride on the structure and phase composition of Al-Si alloy. MATEC Web of Conferences, 2018, 243, 00020.	0.2	2
13	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
14	Al-Ti-B4C materials obtained by high-temperature synthesis and used as a master-alloy for aluminum. MATEC Web of Conferences, 2018, 243, 00010.	0.2	3
15	Structure and Properties of ZrO2â€“20%Al2O3 Ceramic Composites Obtained Using Additive Technologies. Materials, 2018, 11, 2361.	2.9	24
16	Combustion Synthesis of Composition Ferroalloys. Materials, 2018, 11, 2117.	2.9	3
17	Structural and mechanical properties of aluminium-based composites processed by explosive compaction. Powder Technology, 2017, 313, 251-259.	4.2	27
18	Experimental study of the boron-containing mixtures burning rate. MATEC Web of Conferences, 2017, 110, 01022.	0.2	2

#	Article	IF	Citations
19	On the possibility to fabricate ceramics using fused deposition modeling. AIP Conference Proceedings, 2016, , .	0.4	1
20	Self-propagating high-temperature synthesis of energetic borides. AIP Conference Proceedings, 2016, , .	0.4	2
21	Influence the carbon nanotubes on the structure and mechanical properties of aluminum-based metal matrix composites. AIP Conference Proceedings, 2016, , .	0.4	1
22	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
23	Numerical study of mechanical behavior of ceramic composites under compression loading in the framework of movable cellular automaton method. , 2014, , .		1
24	On the dependence of effective mechanical properties of ceramics on partial concentrations of different size pores in its structure. , 2014, , .		1