Vladimir V Skripnyak

List of Publications by Year
in descending order

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16 papers	113 citations	1684188 5 h-index	1372567 10 g-index
16 all docs	16 docs citations	16 times ranked	62 citing authors

#	Article	IF	Citations
1	Influence of structure to plastic deformation resistance of aluminum alloy 1560 after groove pressing treatment. Letters on Materials, 2016, 6, 141-145.	0.7	23
2	Fracture of Titanium Alloys at High Strain Rates and under Stress Triaxiality. Metals, 2020, 10, 305.	2.3	20
3	An Investigation of Physico-Mechanical Properties of Ultrafine-Grained Magnesium Alloys Subjected to Severe Plastic Deformation. Russian Physics Journal, 2015, 57, 1261-1267.	0.4	19
4	Analyzing the Deformation and Fracture of Bioinert Titanium, Zirconium and Niobium Alloys in Different Structural States by the Use of Infrared Thermography. Metals, 2018, 8, 703.	2.3	15
5	Structure and Mechanical Properties of Aluminum 1560 Alloy after Severe Plastic Deformation by Groove Pressing. Physical Mesomechanics, 2018, 21, 515-522.	1.9	9
6	Computer simulation of the relation between mechanical behavior and structural evolution of oxide ceramics under dynamic loading. Russian Physics Journal, 2009, 52, 1300-1308.	0.4	6
7	Regular Features of Stage Formation in the Stress-strain Curves and Microstructure in the Zone of Fracture of Coarse-Grained and Ultrafine-Grained Titanium and Zirconium Alloys. Russian Physics Journal, 2019, 62, 1349-1356.	0.4	5
8	Hexagonal close-packed (hcp) alloys under dynamic impacts. Journal of Applied Physics, 2022, 131, 165902.	2.5	5
9	Influence of grain size distribution on the mechanical behavior of light alloys in wide range of strain rates. AIP Conference Proceedings, 2017, , .	0.4	4
10	MODELING OF TITANIUM ALLOYS PLASTIC FLOW IN LINEAR FRICTION WELDING. Facta Universitatis, Series: Mechanical Engineering, 2021, 19, 091.	4.6	3
11	Fracture mechanisms of zirconium diboride ultra-high temperature ceramics under pulse loading. AIP Conference Proceedings, 2017, , .	0.4	1
12	Simulation of the dynamic fracture of ceramic materials based on ZrB2 in a wide temperature range. AIP Conference Proceedings, 2017, , .	0.4	1
13	The mechanical behavior of metal alloys with grain size distribution in a wide range of strain rates. AIP Conference Proceedings, 2017, , .	0.4	1
14	Physical and Mechanical Behavior of Ice Under Dynamic Loading. Russian Physics Journal, 2021, 64, 1060-1066.	0.4	1
15	Numerical simulation of severe plastic deformation of aluminum specimens under dynamic groove pressing. IOP Conference Series: Materials Science and Engineering, 2019, 597, 012074.	0.6	0
16	Regularities in accumulation and dissipation of energy under tension in Ti-45Nb alloy in coarse-grained and ultrafine-grained states. AIP Conference Proceedings, 2020, , .	0.4	0