

# Vladimir V Skripnyak

## List of Publications by Year in descending order

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16  
papers

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citations

1684188

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1372567

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16  
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16  
docs citations

16  
times ranked

62  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hexagonal close-packed (hcp) alloys under dynamic impacts. Journal of Applied Physics, 2022, 131, 165902.	2.5	5
2	MODELING OF TITANIUM ALLOYS PLASTIC FLOW IN LINEAR FRICTION WELDING. Facta Universitatis, Series: Mechanical Engineering, 2021, 19, 091.	4.6	3
3	Physical and Mechanical Behavior of Ice Under Dynamic Loading. Russian Physics Journal, 2021, 64, 1060-1066.	0.4	1
4	Fracture of Titanium Alloys at High Strain Rates and under Stress Triaxiality. Metals, 2020, 10, 305.	2.3	20
5	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
6	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
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	Structure and Mechanical Properties of Aluminum 1560 Alloy after Severe Plastic Deformation by Groove Pressing. Physical Mesomechanics, 2018, 21, 515-522.	1.9	9
9	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
10	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
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 ZrB <sub>2</sub> 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	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
15	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
16	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