Fedor Beliaev

List of Publications by Year
in descending order

12 papers	28 citations	2258059 3 h-index	2053705 5 g-index
12 all docs	12 docs citations	12 times ranked	14 citing authors

#	Article	IF	Citations
1	Simulation of isothermal reversible strain in the Ti40.7Hf9.5Ni44.8Cu5 alloy using a microstructural model. Letters on Materials, 2021, 11, 327-331.	0.7	2
2	Modeling of the Superelastic Behavior of CuAlNi - Single Crystals Accounting Anisotropy of Elastic Properties. Lecture Notes in Mechanical Engineering, 2020, , 93-100.	0.4	1
3	Experimental Study and Modeling of the Fatigue Fracture of High-Strength FeMnSi-based Shape Memory Alloy. Procedia Structural Integrity, 2020, 28, 2110-2117.	0.8	0
4	Simulation of Fatigue Fracture of FeMn-based Shape Memory Alloys at Cyclic Mechanical Tests. Procedia Structural Integrity, 2018, 13, 988-993.	0.8	1
5	Modeling of vibrations isolation and arrest by shape memory parts and permanent magnets. AIP Conference Proceedings, 2018, , .	0.4	0
6	About the choice of Gibbs' potential for modelling of FCC â†" HCP transformation in FeMnSi-based shape memory alloys. AIP Conference Proceedings, 2018, , .	0.4	2
7	Microstructural modeling of fatigue fracture of shape memory alloys at thermomechanical cyclic loading. AIP Conference Proceedings, 2018, , .	0.4	2
8	Simulation of fatigue fracture of TiNi shape memory alloy samples at cyclic loading in pseudoelastic state. AIP Conference Proceedings, 2018, , .	0.4	0
9	Microstructural modelling of plastic deformation and defects accumulation in FeMn-based shape memory alloys. Procedia Structural Integrity, 2016, 2, 1546-1552.	0.8	7
10	Model of the Evolution of Deformation Defects and Irreversible Strain at Thermal Cycling of Stressed TiNi Alloy Specimen. MATEC Web of Conferences, 2015, 33, 03013.	0.2	8
11	Modeling of Deformation and Functional Properties of Shape Memory Alloys Based on a Microstructural Approach. Materials Science Foundations, 2015, 81-82, 20-37.	0.2	1
12	A Microstructural Model of SMA with Microplastic Deformation and Defects Accumulation: Application to Thermocyclic Loading. Materials Today: Proceedings, 2015, 2, S583-S587.	1.8	4