

Fedor Beliaev

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7560452/publications.pdf>

Version: 2024-02-01

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 | 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 |
| 2 | Microstructural modelling of plastic deformation and defects accumulation in FeMn-based shape memory alloys. Procedia Structural Integrity, 2016, 2, 1546-1552. | 0.8 | 7 |
| 3 | 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 |
| 4 | About the choice of Gibbs's potential for modelling of FCC to HCP transformation in FeMnSi-based shape memory alloys. AIP Conference Proceedings, 2018, , . | 0.4 | 2 |
| 5 | Microstructural modeling of fatigue fracture of shape memory alloys at thermomechanical cyclic loading. AIP Conference Proceedings, 2018, , . | 0.4 | 2 |
| 6 | 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 |
| 7 | 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 |
| 8 | Simulation of Fatigue Fracture of FeMn-based Shape Memory Alloys at Cyclic Mechanical Tests. Procedia Structural Integrity, 2018, 13, 988-993. | 0.8 | 1 |
| 9 | 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 |
| 10 | Modeling of vibrations isolation and arrest by shape memory parts and permanent magnets. AIP Conference Proceedings, 2018, , . | 0.4 | 0 |
| 11 | Simulation of fatigue fracture of TiNi shape memory alloy samples at cyclic loading in pseudoelastic state. AIP Conference Proceedings, 2018, , . | 0.4 | 0 |
| 12 | 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 |