# Margarita E Evard

List of Publications by Year
in descending order



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|---|---|---|---|
| 27 papers | 70 citations | 1684188 5 h-index | 1720034 7 g-index |
| 27 all docs | 27 docs citations | 27 times ranked | 29 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Simulation of Payload Vibration Protection by Shape Memory Alloy Parts. Journal of Materials Engineering and Performance, 2014, 23, 2719-2726. | 2.5 | 11 |
| 2 | 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 |
| 3 | An explanation of phase deformation tensionâ€"compression asymmetry of TiNi by means of microstructural modeling. Journal of Alloys and Compounds, 2013, 577, S127-S130. | 5.5 | 7 |
| 4 | Microstructural modelling of plastic deformation and defects accumulation in FeMn-based shape memory alloys. Procedia Structural Integrity, 2016, 2, 1546-1552. | 0.8 | 7 |
| 5 | Simulation of Vibration Isolation by Shape Memory Alloy Springs Using a Microstructural Model of Shape Memory Alloy. Materials Science Forum, 0, 738-739, 150-154. | 0.3 | 6 |
| 6 | An approach for modelling fracture of shape memory alloy parts. Smart Structures and Systems, 2006, 2, 357-363. | 1.9 | 5 |
| 7 | Computer simulation of the shape memory effects in Fe-Mn-type alloys accounting for the features of the FCC-HCP phase transformation. , 1998, , . | | 4 |
| 8 | Modeling of Functional Properties of Porous Shape Memory Alloy. MATEC Web of Conferences, 2015, 33, 02006. | 0.2 | 4 |
| 9 | Modeling of strain accumulation and recovery due to fcc-hcp transformation at thermocycles. , 1999, 3687, 330. | | 3 |
| 10 | Microstructural modeling of TiNi alloy high strain rate tension. Materials Today: Proceedings, 2017, 4, 4637-4641. | 1.8 | 3 |
| 11 | A beam model of porous shape memory alloy deformation. Materials Today: Proceedings, 2017, 4, 4631-4636. | 1.8 | 3 |
| 12 | About the choice of Gibbsâ€™ potential for modelling of FCC â†" HCP transformation in FeMnSi-based shape memory alloys. AIP Conference Proceedings, 2018, , . | 0.4 | 2 |
| 13 | Microstructural modeling of fatigue fracture of shape memory alloys at thermomechanical cyclic loading. AIP Conference Proceedings, 2018, , . | 0.4 | 2 |
| 14 | Peculiarities of strain and resistivity variations in TiNi. Computational Materials Science, 2000, 19, 77-80. | 3.0 | 1 |
| 15 | Influence of stress on the temperature characteristics of martensitic transformation and on strain variation in Tiâ€"Ni shape memory alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 462, 325-328. | 5.6 | 1 |
| 16 | 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 |
| 17 | Simulation of Fatigue Fracture of FeMn-based Shape Memory Alloys at Cyclic Mechanical Tests. Procedia Structural Integrity, 2018, 13, 988-993. | 0.8 | 1 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 19 | Specific features of strain and resistance variations in Ti-Ni. , 2000, 4064, 342. | | 0 |
| 20 | Martensitic transformation in TiNi alloy at loading. , 2001, 4348, 185. | | 0 |
| 21 | Effect of Alternating-Sign Plastic Straining on the Shape Memory Effects in Nickel Titanium. Technical Physics Letters, 2005, 31, 578. | 0.7 | 0 |
| 22 | Model for self-accommodated groups of martensite. , 2005, , . | | 0 |
| 23 | Modeling of vibrations isolation and arrest by shape memory parts and permanent magnets. AIP Conference Proceedings, 2018, , . | 0.4 | 0 |
| 24 | Simulation of fatigue fracture of TiNi shape memory alloy samples at cyclic loading in pseudoelastic state. AIP Conference Proceedings, 2018, , . | 0.4 | 0 |
| 25 | 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 |
| 26 | To the relation between the orientation of the pore channels and the mechanical properties of porous NiTi shape memory alloy. Letters on Materials, 2020, 10, 501-505. | 0.7 | 0 |
| 27 | Model for simulation of the mechanical behavior of a porous shape memory alloy with a non-ordered structure. Letters on Materials, 2020, 10, 377-380. | 0.7 | 0 |