

# Margarita E Evard

## List of Publications by Year in descending order

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27  
papers

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citations

1684188

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docs citations

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times ranked

29  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	Simulation of Fatigue Fracture of FeMn-based Shape Memory Alloys at Cyclic Mechanical Tests. Procedia Structural Integrity, 2018, 13, 988-993.	0.8	1
6	Modeling of vibrations isolation and arrest by shape memory parts and permanent magnets. AIP Conference Proceedings, 2018, , .	0.4	0
7	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
8	Microstructural modeling of fatigue fracture of shape memory alloys at thermomechanical cyclic loading. AIP Conference Proceedings, 2018, , .	0.4	2
9	Simulation of fatigue fracture of TiNi shape memory alloy samples at cyclic loading in pseudoelastic state. AIP Conference Proceedings, 2018, , .	0.4	0
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	Microstructural modelling of plastic deformation and defects accumulation in FeMn-based shape memory alloys. Procedia Structural Integrity, 2016, 2, 1546-1552.	0.8	7
13	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
14	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
15	Modeling of Functional Properties of Porous Shape Memory Alloy. MATEC Web of Conferences, 2015, 33, 02006.	0.2	4
16	Simulation of Payload Vibration Protection by Shape Memory Alloy Parts. Journal of Materials Engineering and Performance, 2014, 23, 2719-2726.	2.5	11
17	An explanation of phase deformation tension's compression asymmetry of TiNi by means of microstructural modeling. Journal of Alloys and Compounds, 2013, 577, S127-S130.	5.5	7
18	Influence of stress on the temperature characteristics of martensitic transformation and on strain variation in Ti-Ni shape memory alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 462, 325-328.	5.6	1

#	ARTICLE	IF	CITATIONS
19	An approach for modelling fracture of shape memory alloy parts. Smart Structures and Systems, 2006, 2, 357-363.	1.9	5
20	Effect of Alternating-Sign Plastic Straining on the Shape Memory Effects in Nickel Titanium. Technical Physics Letters, 2005, 31, 578.	0.7	0
21	Model for self-accommodated groups of martensite. , 2005, , .		0
22	Martensitic transformation in TiNi alloy at loading. , 2001, 4348, 185.		0
23	Specific features of strain and resistance variations in Ti-Ni. , 2000, 4064, 342.		0
24	Peculiarities of strain and resistivity variations in TiNi. Computational Materials Science, 2000, 19, 77-80.	3.0	1
25	Modeling of strain accumulation and recovery due to fcc-hcp transformation at thermocycles. , 1999, 3687, 330.		3
26	Computer simulation of the shape memory effects in Fe-Mn-type alloys accounting for the features of the FCC-HCP phase transformation. , 1998, , .		4
27	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