

Lucie Bodnarova

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Achieving high strength and low elastic modulus in interstitial biomedical Ti-Nb-Zr-O alloys through compositional optimization. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 839, 142833.	5.6	19
2	Manufacturing of biomedical Ti alloys with controlled oxygen content by blended elemental powder metallurgy. <i>Journal of Alloys and Compounds</i> , 2022, 905, 164259.	5.5	6
3	Softening of Shear Elastic Coefficients in Shape Memory Alloys Near the Martensitic Transition: A Study by Laser-Based Resonant Ultrasound Spectroscopy. <i>Metals</i> , 2020, 10, 1383.	2.3	10
4	Large Non-ergodic Magnetoelastic Damping in Ni-Mn-Ga Austenite. <i>Shape Memory and Superelasticity</i> , 2020, 6, 89-96.	2.2	4
5	Switching the soft shearing mode orientation in Ni-Mn-Ga non-modulated martensite by Co and Cu doping. <i>Smart Materials and Structures</i> , 2020, 29, 045022.	3.5	12
6	Elastic constants of non-modulated Ni-Mn-Ga martensite. <i>Scripta Materialia</i> , 2017, 136, 20-23.	5.2	18
7	Microstructure, martensitic transformation and anomalies in σ^2 -softening in Co-Ni-Al ferromagnetic shape memory alloys. <i>Acta Materialia</i> , 2013, 61, 5869-5876.	7.9	26
8	Combined effect of structural softening and magneto-elastic coupling on elastic coefficients of Ni Mn Ga austenite. <i>Journal of Alloys and Compounds</i> , 2013, 577, S131-S135.	5.5	30
9	The effect of antiphase boundaries on the elastic properties of Ni-Mn-Ga austenite and premartensite. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 425402.	1.8	25
10	Sensitivity of the resonant ultrasound spectroscopy to weak gradients of elastic properties. <i>Journal of the Acoustical Society of America</i> , 2012, 131, 3775-3785.	1.1	16
11	Novel approach to material evaluation of thin surface layers by resonant ultrasound spectroscopy. <i>Journal of Physics: Conference Series</i> , 2010, 214, 012045.	0.4	0
12	Application of ultrasonic methods to determine elastic anisotropy of polycrystalline copper processed by equal-channel angular pressing. <i>Acta Materialia</i> , 2010, 58, 235-247.	7.9	44
13	Modal resonant ultrasound spectroscopy for ferroelastics. <i>Applied Physics A: Materials Science and Processing</i> , 2009, 96, 557-567.	2.3	55
14	Magneto-elastic attenuation in austenitic phase of Ni-Mn-Ga alloy investigated by ultrasonic methods. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009, 521-522, 205-208.	5.6	15
15	Resonant ultrasound spectroscopy for investigation of thin surface coatings. <i>WIT Transactions on Engineering Sciences</i> , 2009, , .	0.0	2
16	<i>In Situ&/i> Detection of Surface Micro-Cracking in Ultrafine-Grained AZ31 Magnesium Alloy by Resonant Ultrasound Spectroscopy. <i>Key Engineering Materials</i> , 0, 606, 87-90.	0.4	1