

Tomas Grabec

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

145
citations

1478505

6
h-index

1372567

10
g-index

14
all docs

14
docs citations

14
times ranked

126
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of grain morphology on ultrasonic wave attenuation in polycrystalline media with statistically equiaxed grains. <i>Journal of the Acoustical Society of America</i> , 2018, 143, 219-229.	1.1	48
2	Laser-Ultrasonic Characterization of Strongly Anisotropic Materials by Transient Grating Spectroscopy. <i>Experimental Mechanics</i> , 2021, 61, 663-676.	2.0	18
3	Evolution of elastic constants of the NiTi shape memory alloy during a stress-induced martensitic transformation. <i>Acta Materialia</i> , 2021, 208, 116718.	7.9	18
4	<i>In situ</i> characterization of local elastic properties of thin shape memory films by surface acoustic waves. <i>Smart Materials and Structures</i> , 2016, 25, 127002.	3.5	17
5	Measurement of coherent surface acoustic wave attenuation in polycrystalline aluminum. <i>AIP Advances</i> , 2018, 8, .	1.3	14
6	Application of the Ritz-Rayleigh method for Lamb waves in extremely anisotropic media. <i>Wave Motion</i> , 2020, 96, 102567.	2.0	10
7	Frequency-dependent acoustic energy focusing in hexagonal ceramic micro-scaffolds. <i>Wave Motion</i> , 2020, 92, 102417.	2.0	7
8	Surface acoustic wave attenuation in polycrystals: Numerical modeling using a statistical digital twin of an actual sample. <i>Ultrasonics</i> , 2022, 119, 106585.	3.9	7
9	Transient Grating Spectroscopy for Complete Elastic Anisotropy: Beyond the Measurement of Surface Acoustic Waves. , 2021, , .		3
10	Ceramic phononic crystals with MHz-range frequency band gaps. <i>Proceedings of Meetings on Acoustics</i> , 2017, , .	0.3	2
11	Non-Contact Characterization of Acoustoelastic Parameters of Advanced Materials by Laser-Ultrasound. <i>Acta Physica Polonica A</i> , 2018, 134, 807-810.	0.5	1
12	Notice of Removal: Finite-element modelling of elastic wave propagation and scattering within heterogeneous media. , 2017, , .		0
13	Numerical modeling of surface elastic wave scattering in polycrystalline materials. , 2017, , .		0
14	<i>In Situ</i> ; Characterization of the Elasticity and Stress-Induced Phase Transformation of NiTi Shape-Memory Alloy. <i>Acta Physica Polonica A</i> , 2018, 134, 811-814.	0.5	0