Tomas Grabec

List of Publications by Year
in descending order

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