

Gabriele Barbagallo

List of Publications by Year in descending order

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papers

389
citations

758635

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940134

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16
all docs

16
docs citations

16
times ranked

199
citing authors

#	ARTICLE	IF	CITATIONS
1	Transparent anisotropy for the relaxed micromorphic model: Macroscopic consistency conditions and long wave length asymptotics. <i>International Journal of Solids and Structures</i> , 2017, 120, 7-30.	1.3	54
2	First evidence of non-locality in real band-gap metamaterials: determining parameters in the relaxed micromorphic model. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2016, 472, 20160169.	1.0	39
3	Effective Description of Anisotropic Wave Dispersion in Mechanical Band-Gap Metamaterials via the Relaxed Micromorphic Model. <i>Journal of Elasticity</i> , 2020, 139, 299-329.	0.9	39
4	Real wave propagation in the isotropic-relaxed micromorphic model. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2017, 473, 20160790.	1.0	36
5	Continuum and discrete models for unbalanced woven fabrics. <i>International Journal of Solids and Structures</i> , 2016, 94-95, 263-284.	1.3	31
6	Bias extension test on an unbalanced woven composite reinforcement: Experiments and modeling via a second-gradient continuum approach. <i>Journal of Composite Materials</i> , 2017, 51, 153-170.	1.2	30
7	Modelling the deep drawing of a 3D woven fabric with a second gradient model. <i>Mathematics and Mechanics of Solids</i> , 2017, 22, 2165-2179.	1.5	28
8	Relaxed micromorphic model of transient wave propagation in anisotropic band-gap metastructures. <i>International Journal of Solids and Structures</i> , 2019, 162, 148-163.	1.3	27
9	Complete band gaps including non-local effects occur only in the relaxed micromorphic model. <i>Comptes Rendus - Mecanique</i> , 2016, 344, 784-796.	2.1	25
10	On the role of micro-inertia in enriched continuum mechanics. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2017, 473, 20160722.	1.0	22
11	Microstructure-related Stoneley waves and their effect on the scattering properties of a 2D Cauchy/relaxed-micromorphic interface. <i>Wave Motion</i> , 2019, 90, 99-120.	1.0	15
12	Relaxed micromorphic modeling of the interface between a homogeneous solid and a band-gap metamaterial: New perspectives towards metastructural design. <i>Mathematics and Mechanics of Solids</i> , 2018, 23, 1485-1506.	1.5	14
13	A panorama of dispersion curves for the weighted isotropic relaxed micromorphic model. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2017, 97, 1436-1481.	0.9	11
14	A Review on Wave Propagation Modeling in Band-Gap Metamaterials via Enriched Continuum Models. <i>Advanced Structured Materials</i> , 2017, , 89-105.	0.3	11
15	Model reduction for the forming process of fibrous composites structures via second gradient enriched continuum models. <i>Mechanics of Advanced Materials and Structures</i> , 2021, 28, 1061-1072.	1.5	4
16	Anisotropic wave dispersion and band-gaps in mechanical metamaterials via the relaxed micromorphic model. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2018, 18, e201800413.	0.2	3