## Gabriele Barbagallo

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Model reduction for the forming process of fibrous composites structures via second gradient enriched continuum models. Mechanics of Advanced Materials and Structures, 2021, 28, 1061-1072.	2.6	4
2	Effective Description of Anisotropic Wave Dispersion in Mechanical Band-Gap Metamaterials via the Relaxed Micromorphic Model. Journal of Elasticity, 2020, 139, 299-329.	1.9	39
3	Microstructure-related Stoneley waves and their effect on the scattering properties of a 2D Cauchy/relaxed-micromorphic interface. Wave Motion, 2019, 90, 99-120.	2.0	15
4	Relaxed micromorphic model of transient wave propagation in anisotropic band-gap metastructures. International Journal of Solids and Structures, 2019, 162, 148-163.	2.7	27
5	Relaxed micromorphic modeling of the interface between a homogeneous solid and a band-gap metamaterial: New perspectives towards metastructural design. Mathematics and Mechanics of Solids, 2018, 23, 1485-1506.	2.4	14
6	Anisotropic wave dispersion and bandâ€gaps in mechanical metamaterials via the relaxed micromorphic model. Proceedings in Applied Mathematics and Mechanics, 2018, 18, e201800413.	0.2	3
7	Bias extension test on an unbalanced woven composite reinforcement: Experiments and modeling via a second-gradient continuum approach. Journal of Composite Materials, 2017, 51, 153-170.	2.4	30
8	Transparent anisotropy for the relaxed micromorphic model: Macroscopic consistency conditions and long wave length asymptotics. International Journal of Solids and Structures, 2017, 120, 7-30.	2.7	54
9	Real wave propagation in the isotropic-relaxed micromorphic model. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2017, 473, 20160790.	2.1	36
10	On the role of micro-inertia in enriched continuum mechanics. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2017, 473, 20160722.	2.1	22
11	A panorama of dispersion curves for the weighted isotropic relaxed micromorphic model. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2017, 97, 1436-1481.	1.6	11
12	A Review on Wave Propagation Modeling in Band-Gap Metamaterials via Enriched Continuum Models. Advanced Structured Materials, 2017, , 89-105.	0.5	11
13	Modelling the deep drawing of a 3D woven fabric with a second gradient model. Mathematics and Mechanics of Solids, 2017, 22, 2165-2179.	2.4	28
14	Continuum and discrete models for unbalanced woven fabrics. International Journal of Solids and Structures, 2016, 94-95, 263-284.	2.7	31
15	Complete band gaps including non-local effects occur only in the relaxed micromorphic model. Comptes Rendus - Mecanique, 2016, 344, 784-796.	2.1	25
16	First evidence of non-locality in real band-gap metamaterials: determining parameters in the relaxed micromorphic model. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2016, 472, 20160169.	2.1	39