Marco Valerio d'Agostino

List of Publications by Year
in descending order

18	486	759055 12	839398 18
papers	citations	h-index	g-index

18	18	18	245
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Continuum and discrete models for structures including (quasi-) inextensible elasticae with a view to the design and modeling of composite reinforcements. International Journal of Solids and Structures, 2015, 59, 1-17.	1.3	70
2	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.	1.3	54
3	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.	1.0	39
4	Effective Description of Anisotropic Wave Dispersion in Mechanical Band-Gap Metamaterials via the Relaxed Micromorphic Model. Journal of Elasticity, 2020, 139, 299-329.	0.9	39
5	Identification of Scale-Independent Material Parameters in the Relaxed Micromorphic Model Through Model-Adapted First Order Homogenization. Journal of Elasticity, 2020, 139, 269-298.	0.9	38
6	Real wave propagation in the isotropic-relaxed micromorphic model. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2017, 473, 20160790.	1.0	36
7	Continuum and discrete models for unbalanced woven fabrics. International Journal of Solids and Structures, 2016, 94-95, 263-284.	1.3	31
8	Minimization of Shear Energy in Two Dimensional Continua with Two Orthogonal Families of Inextensible Fibers: The Case of Standard Bias Extension Test. Journal of Elasticity, 2016, 122, 131-155.	0.9	29
9	Relaxed micromorphic model of transient wave propagation in anisotropic band-gap metastructures. International Journal of Solids and Structures, 2019, 162, 148-163.	1.3	27
10	Complete band gaps including non-local effects occur only in the relaxed micromorphic model. Comptes Rendus - Mecanique, 2016, 344, 784-796.	2.1	25
11	On the role of micro-inertia in enriched continuum mechanics. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2017, 473, 20160722.	1.0	22
12	Frequency- and angle-dependent scattering of a finite-sized meta-structure via the relaxed micromorphic model. Archive of Applied Mechanics, 2020, 90, 1073-1096.	1.2	19
13	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.	1.5	14
14	Boundary and interface conditions in the relaxed micromorphic model: Exploring finite-size metastructures for elastic wave control. Mathematics and Mechanics of Solids, 2022, 27, 1053-1068.	1.5	14
15	A panorama of dispersion curves for the weighted isotropic relaxed micromorphic model. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2017, 97, 1436-1481.	0.9	11
16	A Review on Wave Propagation Modeling in Band-Gap Metamaterials via Enriched Continuum Models. Advanced Structured Materials, 2017, , 89-105.	0.3	11
17	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.	1.5	4
18	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