

Nicolás Guarín-Zapata

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6910003/publications.pdf>

Version: 2024-02-01

9
papers

395
citations

1478505

6
h-index

1474206

9
g-index

11
all docs

11
docs citations

11
times ranked

477
citing authors

#	ARTICLE	IF	CITATIONS
1	A Sinusoidally Architected Helicoidal Biocomposite. <i>Advanced Materials</i> , 2016, 28, 6835-6844.	21.0	158
2	A natural impact-resistant bicontinuous composite nanoparticle coating. <i>Nature Materials</i> , 2020, 19, 1236-1243.	27.5	115
3	Shear wave filtering in naturally-occurring Bouligand structures. <i>Acta Biomaterialia</i> , 2015, 23, 11-20.	8.3	87
4	Finite element modeling of micropolar-based phononic crystals. <i>Wave Motion</i> , 2020, 92, 102406.	2.0	9
5	Bandgap tuning in bioinspired helicoidal composites. <i>Journal of the Mechanics and Physics of Solids</i> , 2019, 131, 344-357.	4.8	8
6	Evaluation of the Spectral Finite Element Method with the Theory of Phononic Crystals. <i>Journal of Computational Acoustics</i> , 2015, 23, 1550004.	1.0	6
7	Variational principles and finite element Bloch analysis in couple stress elastodynamics. <i>Wave Motion</i> , 2021, 106, 102809.	2.0	4
8	X-Ray Mapping of an Impact-Resistant Crustacean-Derived Biocomposite. <i>Microscopy and Microanalysis</i> , 2016, 22, 98-99.	0.4	1
9	A General-Purpose Element-Based Approach to Compute Dispersion Relations in Periodic Materials with Existing Finite Element Codes. <i>Journal of Theoretical and Computational Acoustics</i> , 2020, 28, 1950005.	1.1	1