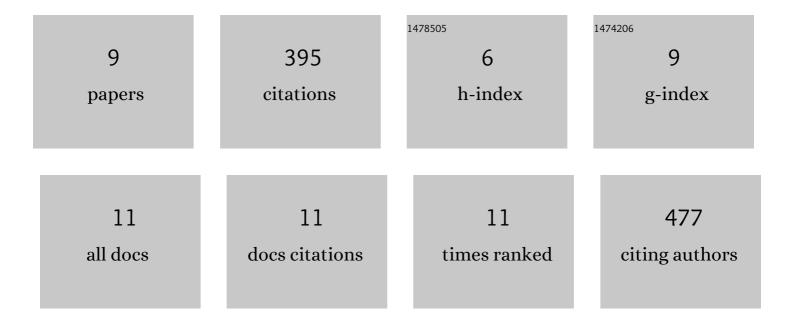
NicolÃ;s GuarÃ-n-Zapata

List of Publications by Year in descending order

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Νιςοι Αις Ομαράμι-Ζαρατά

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