Bart Van Damme

List of Publications by Year
in descending order

15	205	1040056 9	1058476 14
papers	citations	h-index	g-index

16	16	16	244
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tacticity in chiral phononic crystals. Nature Communications, 2019, 10, 4525.	12.8	49
2	Reproducibility of sound-absorbing periodic porous materials using additive manufacturing technologies: Round robin study. Additive Manufacturing, 2020, 36, 101564.	3.0	26
3	Modeling the bending vibration of cross-laminated timber beams. European Journal of Wood and Wood Products, 2017, 75, 985-994.	2.9	19
4	Bandgap control with local and interconnected LC piezoelectric shunts. Applied Physics Letters, 2017, 111, .	3.3	18
5	Measuring Dispersion Curves for Bending Waves in Beams: A Comparison of Spatial Fourier Transform and Inhomogeneous Wave Correlation. Acta Acustica United With Acustica, 2018, 104, 228-234.	0.8	16
6	Controllable wave propagation of hybrid dispersive media with LC high-pass and band-pass networks. Applied Physics Letters, 2017, 110, 184103.	3.3	13
7	Influence of varnishing on the vibro-mechanical properties of wood used for violins. Journal of Materials Science, 2019, 54, 8063-8095.	3.7	13
8	The influence of multi-layered varnishes on moisture protection and vibrational properties of violin wood. Scientific Reports, 2019, 9, 18611.	3.3	12
9	The Application of Nonlinear Reverberation Spectroscopy for the Detection of Localized Fatigue Damage. Journal of Nondestructive Evaluation, 2014, 33, 263.	2.4	10
10	Violin varnish induced changes in the vibro-mechanical properties of spruce and maple wood. Holzforschung, 2020, 74, 765-776.	1.9	8
11	Inherent non-linear damping in resonators with inertia amplification. Applied Physics Letters, 2021, 119, .	3.3	6
12	Bending-wave localization and interaction band gaps in quasiperiodic beams. Physical Review B, 2021, 103, .	3.2	5
13	Frequency-dependent, near-pole behavior of acoustic surface waves on a solid sphere. Mechanics Research Communications, 2014, 60, 40-44.	1.8	4
14	Analytical analysis of slow and fast pressure waves in a two-dimensional cellular solid with fluid-filled cells. Journal of the Acoustical Society of America, 2016, 139, 3332-3340.	1.1	3
15	Energy Distribution and Exchange Between Spatial Harmonics in Bending Wave Phononic Crystals. Physical Review Applied, 2018, 10, .	3.8	3