

# Bart Van Damme

## List of Publications by Year in descending order

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15  
papers

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citations

1040056

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1058476

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244  
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#	ARTICLE	IF	CITATIONS
1	Bending-wave localization and interaction band gaps in quasiperiodic beams. <i>Physical Review B</i> , 2021, 103, .	3.2	5
2	Inherent non-linear damping in resonators with inertia amplification. <i>Applied Physics Letters</i> , 2021, 119, .	3.3	6
3	Reproducibility of sound-absorbing periodic porous materials using additive manufacturing technologies: Round robin study. <i>Additive Manufacturing</i> , 2020, 36, 101564.	3.0	26
4	Violin varnish induced changes in the vibro-mechanical properties of spruce and maple wood. <i>Holzforschung</i> , 2020, 74, 765-776.	1.9	8
5	Tacticity in chiral phononic crystals. <i>Nature Communications</i> , 2019, 10, 4525.	12.8	49
6	Influence of varnishing on the vibro-mechanical properties of wood used for violins. <i>Journal of Materials Science</i> , 2019, 54, 8063-8095.	3.7	13
7	The influence of multi-layered varnishes on moisture protection and vibrational properties of violin wood. <i>Scientific Reports</i> , 2019, 9, 18611.	3.3	12
8	Measuring Dispersion Curves for Bending Waves in Beams: A Comparison of Spatial Fourier Transform and Inhomogeneous Wave Correlation. <i>Acta Acustica United With Acustica</i> , 2018, 104, 228-234.	0.8	16
9	Energy Distribution and Exchange Between Spatial Harmonics in Bending Wave Phononic Crystals. <i>Physical Review Applied</i> , 2018, 10, .	3.8	3
10	Modeling the bending vibration of cross-laminated timber beams. <i>European Journal of Wood and Wood Products</i> , 2017, 75, 985-994.	2.9	19
11	Controllable wave propagation of hybrid dispersive media with LC high-pass and band-pass networks. <i>Applied Physics Letters</i> , 2017, 110, 184103.	3.3	13
12	Bandgap control with local and interconnected LC piezoelectric shunts. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	18
13	Analytical analysis of slow and fast pressure waves in a two-dimensional cellular solid with fluid-filled cells. <i>Journal of the Acoustical Society of America</i> , 2016, 139, 3332-3340.	1.1	3
14	The Application of Nonlinear Reverberation Spectroscopy for the Detection of Localized Fatigue Damage. <i>Journal of Nondestructive Evaluation</i> , 2014, 33, 263.	2.4	10
15	Frequency-dependent, near-pole behavior of acoustic surface waves on a solid sphere. <i>Mechanics Research Communications</i> , 2014, 60, 40-44.	1.8	4