

Paolo Celli

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1360198/publications.pdf>

Version: 2024-02-01

24
papers

608
citations

759233

12
h-index

713466

21
g-index

25
all docs

25
docs citations

25
times ranked

648
citing authors

#	ARTICLE	IF	CITATIONS
1	Bandgap widening by disorder in rainbow metamaterials. <i>Applied Physics Letters</i> , 2019, 114, .	3.3	94
2	Tunable directivity in metamaterials with reconfigurable cell symmetry. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	81
3	Shape-morphing architected sheets with non-periodic cut patterns. <i>Soft Matter</i> , 2018, 14, 9744-9749.	2.7	72
4	Manipulating waves by distilling frequencies: a tunable shunt-enabled rainbow trap. <i>Smart Materials and Structures</i> , 2016, 25, 085017.	3.5	67
5	Manipulating waves with LEGO® bricks: A versatile experimental platform for metamaterial architectures. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	57
6	Surface wave non-reciprocity via time-modulated metamaterials. <i>Journal of the Mechanics and Physics of Solids</i> , 2020, 145, 104181.	4.8	33
7	Low-frequency spatial wave manipulation via phononic crystals with relaxed cell symmetry. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	30
8	Wave control through soft microstructural curling: bandgap shifting, reconfigurable anisotropy and switchable chirality. <i>Smart Materials and Structures</i> , 2017, 26, 035001.	3.5	29
9	Laser-enabled experimental wavefield reconstruction in two-dimensional phononic crystals. <i>Journal of Sound and Vibration</i> , 2014, 333, 114-123.	3.9	26
10	Temperature-induced shape morphing of bi-metallic structures. <i>International Journal of Solids and Structures</i> , 2020, 190, 22-32.	2.7	20
11	Tuning of Surface-Acoustic-Wave Dispersion via Magnetically Modulated Contact Resonances. <i>Physical Review Applied</i> , 2019, 11, .	3.8	19
12	A Flexible Spiraling Metasurface as a Versatile Haptic Interface. <i>Advanced Materials Technologies</i> , 2020, 5, 2000181.	5.8	19
13	Prestrain-induced bandgap tuning in 3D-printed tensegrity-inspired lattice structures. <i>Extreme Mechanics Letters</i> , 2021, 44, 101236.	4.1	11
14	Continuum Field Theory for the Deformations of Planar Kirigami. <i>Physical Review Letters</i> , 2022, 128, .	7.8	11
15	Pathway towards Programmable Wave Anisotropy in Cellular Metamaterials. <i>Physical Review Applied</i> , 2018, 9, .	3.8	10
16	Compliant morphing structures from twisted bulk metallic glass ribbons. <i>Journal of the Mechanics and Physics of Solids</i> , 2020, 145, 104129.	4.8	8
17	Effective continuum models for the buckling of non-periodic architected sheets that display quasi-mechanism behaviors. <i>Journal of the Mechanics and Physics of Solids</i> , 2022, 166, 104934.	4.8	6
18	Poroelectric microlattices for underwater wave focusing. <i>Extreme Mechanics Letters</i> , 2021, 49, 101499.	4.1	5

#	ARTICLE	IF	CITATIONS
19	Systematic two-scale image analysis of extreme deformations in soft architected sheets. International Journal of Mechanical Sciences, 2021, 194, 106205.	6.7	4
20	The detection matrix as a model-agnostic tool to estimate the number of degrees of freedom in mechanical systems and engineering structures. Chaos, 2022, 32, 033106.	2.5	2
21	A disorder-based strategy for tunable, broadband wave attenuation. , 2017, , .		1
22	Cellular phononic crystals with piezoelectric shunts for tunable directivity. Proceedings of SPIE, 2015, , .	0.8	0
23	Controlling surface acoustic waves via magnetically-modulated contact resonances. , 2019, , .		0
24	Capacitive Temperature Sensing via Displacement Amplification. IEEE Sensors Journal, 2022, 22, 10388-10395.	4.7	0