

# Paolo Celli

## List of Publications by Year in descending order

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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	The detection matrix as a model-agnostic tool to estimate the number of degrees of freedom in mechanical systems and engineering structures. <i>Chaos</i> , 2022, 32, 033106.	2.5	2
2	Capacitive Temperature Sensing via Displacement Amplification. <i>IEEE Sensors Journal</i> , 2022, 22, 10388-10395.	4.7	0
3	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
4	Continuum Field Theory for the Deformations of Planar Kirigami. <i>Physical Review Letters</i> , 2022, 128, .	7.8	11
5	Systematic two-scale image analysis of extreme deformations in soft architected sheets. <i>International Journal of Mechanical Sciences</i> , 2021, 194, 106205.	6.7	4
6	Prestrain-induced bandgap tuning in 3D-printed tensegrity-inspired lattice structures. <i>Extreme Mechanics Letters</i> , 2021, 44, 101236.	4.1	11
7	Poroelastic microlattices for underwater wave focusing. <i>Extreme Mechanics Letters</i> , 2021, 49, 101499.	4.1	5
8	Temperature-induced shape morphing of bi-metallic structures. <i>International Journal of Solids and Structures</i> , 2020, 190, 22-32.	2.7	20
9	Surface wave non-reciprocity via time-modulated metamaterials. <i>Journal of the Mechanics and Physics of Solids</i> , 2020, 145, 104181.	4.8	33
10	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
11	A Flexible Spiraling Metasurface as a Versatile Haptic Interface. <i>Advanced Materials Technologies</i> , 2020, 5, 2000181.	5.8	19
12	Tuning of Surface-Acoustic-Wave Dispersion via Magnetically Modulated Contact Resonances. <i>Physical Review Applied</i> , 2019, 11, .	3.8	19
13	Bandgap widening by disorder in rainbow metamaterials. <i>Applied Physics Letters</i> , 2019, 114, .	3.3	94
14	Controlling surface acoustic waves via magnetically-modulated contact resonances. , 2019, , .		0
15	Pathway towards Programmable Wave Anisotropy in Cellular Metamaterials. <i>Physical Review Applied</i> , 2018, 9, .	3.8	10
16	Shape-morphing architected sheets with non-periodic cut patterns. <i>Soft Matter</i> , 2018, 14, 9744-9749.	2.7	72
17	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
18	A disorder-based strategy for tunable, broadband wave attenuation. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
19	Manipulating waves by distilling frequencies: a tunable shunt-enabled rainbow trap. <i>Smart Materials and Structures</i> , 2016, 25, 085017.	3.5	67
20	Manipulating waves with LEGO® bricks: A versatile experimental platform for metamaterial architectures. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	57
21	Tunable directivity in metamaterials with reconfigurable cell symmetry. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	81
22	Cellular phononic crystals with piezoelectric shunts for tunable directivity. <i>Proceedings of SPIE</i> , 2015, , .	0.8	0
23	Low-frequency spatial wave manipulation via phononic crystals with relaxed cell symmetry. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	30
24	Laser-enabled experimental wavefield reconstruction in two-dimensional phononic crystals. <i>Journal of Sound and Vibration</i> , 2014, 333, 114-123.	3.9	26