

Antonio Palermo

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,358
citations

394421

19
h-index

414414

32
g-index

38
all docs

38
docs citations

38
times ranked

1037
citing authors

#	ARTICLE	IF	CITATIONS
1	Rayleigh wave propagation in nonlinear metasurfaces. Journal of Sound and Vibration, 2022, 520, 116599.	3.9	22
2	Cloaking strategy for Love waves. Extreme Mechanics Letters, 2022, 50, 101564.	4.1	4
3	Geometric and material attenuation of surface acoustic modes in granular media. Geophysical Journal International, 2022, 230, 288-297.	2.4	3
4	A multiple scattering formulation for finite-size flexural metasurfaces. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2022, 478, .	2.1	4
5	Finite Element Modeling and Experimental Characterization of Piezoceramic Frequency Steerable Acoustic Transducers. IEEE Sensors Journal, 2022, 22, 13958-13970.	4.7	15
6	Topological edge states of quasiperiodic elastic metasurfaces. Mechanical Systems and Signal Processing, 2022, 181, 109478.	8.0	18
7	Medium-scale resonant wave barrier for seismic surface waves. Mechanics Based Design of Structures and Machines, 2021, 49, 1157-1172.	4.7	11
8	Rayleigh waves in locally resonant metamaterials. International Journal of Mechanical Sciences, 2021, 195, 106250.	6.7	31
9	Lamb's problem for a half-space coupled to a generic distribution of oscillators at the surface. International Journal of Engineering Science, 2021, 168, 103547.	5.0	22
10	Poroelastic microlattices for underwater wave focusing. Extreme Mechanics Letters, 2021, 49, 101499.	4.1	5
11	A reduced Bloch operator finite element method for fast calculation of elastic complex band structures. International Journal of Solids and Structures, 2020, 191-192, 601-613.	2.7	27
12	Surface wave non-reciprocity via time-modulated metamaterials. Journal of the Mechanics and Physics of Solids, 2020, 145, 104181.	4.8	33
13	Seismic metasurfaces on porous layered media: Surface resonators and fluid-solid interaction effects on the propagation of Rayleigh waves. International Journal of Engineering Science, 2020, 154, 103347.	5.0	57
14	Mitigation of Rayleigh-like waves in granular media via multi-layer resonant metabarriers. Applied Physics Letters, 2020, 117, .	3.3	23
15	A Flexible Spiraling Metasurface as a Versatile Haptic Interface. Advanced Materials Technologies, 2020, 5, 2000181.	5.8	19
16	Seismic vibrations attenuation via damped layered periodic foundations. Engineering Structures, 2020, 211, 110427.	5.3	47
17	Locally Resonant Metasurfaces for Shear Waves in Granular Media. Physical Review Applied, 2020, 13, .	3.8	30
18	Mitigation of seismic waves: Metabarriers and metafoundations bench tested. Journal of Sound and Vibration, 2020, 485, 115537.	3.9	33

#	ARTICLE	IF	CITATIONS
19	Enhanced tuned mass damper using an inertial amplification mechanism. <i>Journal of Sound and Vibration</i> , 2020, 475, 115267.	3.9	37
20	Inertial amplified resonators for tunable metasurfaces. <i>Meccanica</i> , 2019, 54, 2053-2065.	2.0	32
21	Tuning of Surface-Acoustic-Wave Dispersion via Magnetically Modulated Contact Resonances. <i>Physical Review Applied</i> , 2019, 11, .	3.8	19
22	Controlling surface acoustic waves via magnetically-modulated contact resonances. , 2019, , .		0
23	Designing perturbative metamaterials from discrete models. <i>Nature Materials</i> , 2018, 17, 323-328.	27.5	150
24	Hybridization of Guided Surface Acoustic Modes in Unconsolidated Granular Media by a Resonant Metasurface. <i>Physical Review Applied</i> , 2018, 9, .	3.8	41
25	Metabarriers with multi-mass locally resonating units for broad band Rayleigh waves attenuation. <i>Soil Dynamics and Earthquake Engineering</i> , 2018, 113, 265-277.	3.8	74
26	Acoustic properties of porous microlattices from effective medium to scattering dominated regimes. <i>Journal of the Acoustical Society of America</i> , 2018, 144, 319-329.	1.1	8
27	Control of Love waves by resonant metasurfaces. <i>Scientific Reports</i> , 2018, 8, 7234.	3.3	44
28	A multi-mass metabarrier to protect buildings from seismic Rayleigh waves. , 2017, , .		1
29	Extended bloch mode synthesis: Ultrafast method for the computation of complex band structures in phononic media. <i>International Journal of Solids and Structures</i> , 2016, 100-101, 29-40.	2.7	31
30	Composite 3D-printed metastructures for low-frequency and broadband vibration absorption. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 8386-8390.	7.1	311
31	Seismic surface waves attenuation by buried resonators. , 2016, , .		3
32	Engineered metabarrier as shield from seismic surface waves. <i>Scientific Reports</i> , 2016, 6, 39356.	3.3	191
33	Limits of the Kelvin Voigt Model for the Analysis of Wave Propagation in Monoatomic Mass-Spring Chains. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2016, 138, .	1.6	5
34	Phonons in Diatomic Linear Viscoelastic Chains. <i>Physics Procedia</i> , 2015, 70, 266-270.	1.2	2
35	A simple beam model to analyse the durability of adhesively bonded tile floorings in presence of shrinkage. <i>Frattura Ed Integrita Strutturale</i> , 2014, 8, 293-301.	0.9	0