Xiaopeng Li

List of Publications by Year
in descending order

17	1,143	516710 16	888059 17
papers	citations	h-index	g-index

17	17	17	1078
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Experimental demonstration of extremely asymmetric flexural wave absorption at the exceptional point. Extreme Mechanics Letters, 2022, 52, 101649.	4.1	13
2	An active meta-layer for optimal flexural wave absorption and cloaking. Mechanical Systems and Signal Processing, 2021, 149, 107324.	8.0	42
3	Realization of active metamaterials with odd micropolar elasticity. Nature Communications, 2021, 12, 5935.	12.8	50
4	Multiscale porous elastomer substrates for multifunctional on-skin electronics with passive-cooling capabilities. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 205-213.	7.1	131
5	An active mechanical Willis meta-layer with asymmetric polarizabilities. Nature Communications, 2020, 11, 3681.	12.8	56
6	In-Plane Second-Order Topologically Protected States in Elastic Kagome Lattices. Physical Review Applied, 2020, 14, .	3.8	46
7	Shaping elastic wave mode conversion with a piezoelectric-based programmable meta-boundary. Extreme Mechanics Letters, 2020, 39, 100837.	4.1	29
8	Laserâ€induced Graphene for Electrothermally Controlled, Mechanically Guided, 3D Assembly and Humanâ€“Soft Actuators Interaction. Advanced Materials, 2020, 32, e1908475.	21.0	118
9	Nonreciprocal Wave Propagation in a Continuum-Based Metamaterial with Space-Time Modulated Resonators. Physical Review Applied, 2019, 11, .	3.8	97
10	Tailoring vibration suppression bands with hierarchical metamaterials containing local resonators. Journal of Sound and Vibration, 2019, 442, 237-248.	3.9	100
11	Coreâ€“skin debonding detection in honeycomb sandwich structures through guided wave wavefield analysis. Journal of Intelligent Material Systems and Structures, 2019, 30, 1306-1317.	2.5	28
12	A self-adaptive metamaterial beam with digitally controlled resonators for subwavelength broadband flexural wave attenuation. Smart Materials and Structures, 2018, 27, 045015.	3.5	74
13	Spectro-spatial analysis of wave packet propagation in nonlinear acoustic metamaterials. Journal of Sound and Vibration, 2018, 413, 250-269.	3.9	68
14	A programmable metasurface for real time control of broadband elastic rays. Smart Materials and Structures, 2018, 27, 115011.	3.5	93
15	Wave propagation and absorption of sandwich beams containing interior dissipative multi-resonators. Ultrasonics, 2017, 76, 99-108.	3.9	61
16	A new modified couple stress theory for anisotropic elasticity and microscale laminated Kirchhoff plate model. Archive of Applied Mechanics, 2014, 84, 323-341.	2.2	62
17	Size-dependent free vibration analysis of composite laminated Timoshenko beam based on new modified couple stress theory. Archive of Applied Mechanics, 2013, 83, 431-444.	2.2	75