Hiromi Yasuda

List of Publications by Year
in descending order

16	1,019	758635 12	940134 16
papers	citations	h-index	g-index

18	18	18	717
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Temperature-Responsive Multistable Metamaterials. ACS Applied Materials & Interfaces, 2021, 13, 31163-31170.	4.0	33
2	Mechanical Characterization of Ring Pessary Folding. Journal of Medical and Biological Engineering, 2021, 41, 343-349.	1.0	1
3	Mechanical computing. Nature, 2021, 598, 39-48.	13.7	101
4	Heterogeneous origami-architected materials with variable stiffness. Communications Materials, 2021, 2, .	2.9	12
5	Wave manipulation using a bistable chain with reversible impurities. Physical Review E, 2021, 104, 054209.	0.8	2
6	Data-driven prediction and analysis of chaotic origami dynamics. Communications Physics, 2020, 3, .	2.0	13
7	Transition Waves and Formation of Domain Walls in Multistable Mechanical Metamaterials. Physical Review Applied, 2020, 13, .	1.5	57
8	Origamiâ€Based Cellular Structures with In Situ Transition between Collapsible and Loadâ€Bearing Configurations. Advanced Engineering Materials, 2019, 21, 1900562.	1.6	22
9	Origami-based impact mitigation via rarefaction solitary wave creation. Science Advances, 2019, 5, eaau2835.	4.7	113
10	Dial-in Topological Metamaterials Based on Bistable Stewart Platform. Scientific Reports, 2018, 8, 112.	1.6	41
11	Origami-based tunable truss structures for non-volatile mechanical memory operation. Nature Communications, 2017, 8, 962.	5.8	170
12	Formation of rarefaction waves in origami-based metamaterials. Physical Review E, 2016, 93, 043004.	0.8	57
13	Scattering of waves by impurities in precompressed granular chains. Physical Review E, 2016, 93, 052224.	0.8	19
14	Reentrant Origami-Based Metamaterials with Negative Poissonâ€™s Ratio and Bistability. Physical Review Letters, 2015, 114, 185502.	2.9	331
15	Nonlinear Wave Dynamics of Origami-Based Mechanical Metamaterials. , 2014, , .		0
16	Folding behaviour of Tachiâ€“Miura polyhedron bellows. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2013, 469, 20130351.	1.0	45