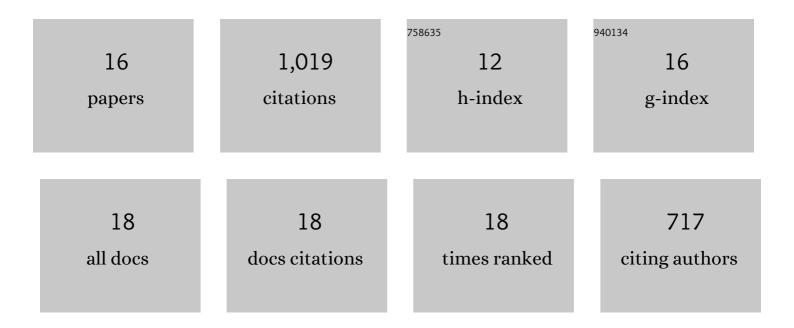
Hiromi Yasuda

List of Publications by Year in descending order

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