

# Hiromi Yasuda

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5887151/publications.pdf>

Version: 2024-02-01

16  
papers

1,019  
citations

758635

12  
h-index

940134

16  
g-index

18  
all docs

18  
docs citations

18  
times ranked

717  
citing authors

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