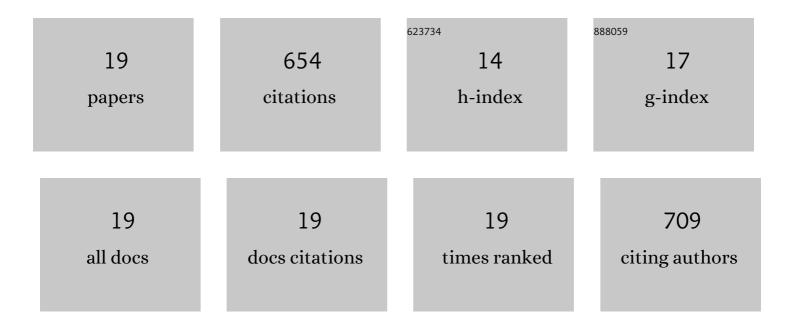
D Zeb Rocklin

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Transformable topological mechanical metamaterials. Nature Communications, 2017, 8, 14201.	12.8	137
2	Mechanical Weyl Modes in Topological Maxwell Lattices. Physical Review Letters, 2016, 116, 135503.	7.8	136
3	Deformation of Crystals: Connections with Statistical Physics. Annual Review of Materials Research, 2017, 47, 217-246.	9.3	61
4	Correlated Rigidity Percolation and Colloidal Gels. Physical Review Letters, 2019, 123, 058001.	7.8	56
5	Mechanical diffraction reveals the role of passive dynamics in a slithering snake. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 4798-4803.	7.1	42
6	Self-assembly of three-dimensional open structures using patchy colloidal particles. Soft Matter, 2014, 10, 7569-7576.	2.7	32
7	Directional mechanical response in the bulk of topological metamaterials. New Journal of Physics, 2017, 19, 065004.	2.9	27
8	Conformal elasticity of mechanism-based metamaterials. Nature Communications, 2022, 13, 211.	12.8	26
9	Rigidity percolation by next-nearest-neighbor bonds on generic and regular isostatic lattices. Physical Review E, 2015, 91, 032124.	2.1	25
10	Fiber networks below the isostatic point: Fracture without stress concentration. Physical Review Materials, 2017, 1, .	2.4	24
11	Curvature-Induced Twist in Homeotropic Nematic Tori. Physical Review Letters, 2018, 121, 247803.	7.8	17
12	Elasticity of colloidal gels: structural heterogeneity, floppy modes, and rigidity. Soft Matter, 2021, 17, 6929-6934.	2.7	17
13	Hidden symmetries generate rigid folding mechanisms in periodic origami. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 30252-30259.	7.1	17
14	Topology and Geometry of Spin Origami. Physical Review Letters, 2018, 121, 177201.	7.8	15
15	Topological Elasticity of Flexible Structures. Physical Review X, 2020, 10, .	8.9	9
16	Curved boundaries and chiral instabilities – two sources of twist in homeotropic nematic tori. Soft Matter, 2019, 15, 1210-1214.	2.7	6
17	Soft topological modes protected by symmetry in rigid mechanical metamaterials. Physical Review B, 2021, 103, .	3.2	5
18	Flexible Mechanical Structures and Their Topologically Protected Deformations. , 2022, , 1-16.		2

#	Article	IF	CITATIONS
19	Flexible Mechanical Structures and Their Topologically Protected Deformations. , 2022, , 213-227.		0