Bryan Gin-Ge Chen

List of Publications by Year
in descending order

15 papers	1,483 citations	687363 13 h-index	996975 15 g-index
15 all docs	15 docs citations	15 times ranked	1417 citing authors

#	Article	IF	Citations
1	Topological modes bound to dislocations in mechanical metamaterials. Nature Physics, 2015, 11, 153-156.	16.7	290
2	Origami Multistability: From Single Vertices to Metasheets. Physical Review Letters, 2015, 114, 055503.	7.8	244
3	Nonlinear conduction via solitons in a topological mechanical insulator. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 13004-13009.	7.1	225
4	Colloquium: Disclination loops, point defects, and all that in nematic liquid crystals. Reviews of Modern Physics, 2012, 84, 497-514.	45.6	201
5	Topological Mechanics of Origami and Kirigami. Physical Review Letters, 2016, 116, 135501.	7.8	156
6	Mechanical Weyl Modes in Topological Maxwell Lattices. Physical Review Letters, 2016, 116, 135503.	7.8	136
7	Generating the Hopf Fibration Experimentally in Nematic Liquid Crystals. Physical Review Letters, 2013, 110, 237801.	7.8	97
8	Symmetry breaking in smectics and surface models of their singularities. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 15577-15582.	7.1	40
9	Power of the PoincarÃ© Group: Elucidating the Hidden Symmetries in Focal Conic Domains. Physical Review Letters, 2010, 104, 257802.	7.8	22
10	Kink-antikink asymmetry and impurity interactions in topological mechanical chains. Physical Review E, 2017, 95, 022202.	2.1	19
11	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
12	Branches of Triangulated Origami Near the Unfolded State. Physical Review X, 2018, 8, .	8.9	15
13	Topology in Nonlinear Mechanical Systems. Physical Review Letters, 2021, 127, 076802.	7.8	14
14	Minimal resonances in annular non-Euclidean strips. Physical Review E, 2010, 82, 056601.	2.1	6
15	Distortion-controlled isotropic swelling: numerical study of free boundary swelling patterns. Soft Matter, 2019, 15, 4890-4897.	2.7	1