Paul Z Hanakata

List of Publications by Year
in descending order

15 papers	1,125 citations	759233 12 h-index	996975 15 g-index
16 all docs	16 docs citations	16 times ranked	1300 citing authors

#	Article	IF	Citations
1	Inverse Design of Inflatable Soft Membranes Through Machine Learning. Advanced Functional Materials, 2022, 32, .	14.9	26
2	Anomalous Thermal Expansion in Ising-like Puckered Sheets. Physical Review Letters, 2022, 128, 075902.	7.8	7
3	Thermal buckling and symmetry breaking in thin ribbons under compression. Extreme Mechanics Letters, 2021, 44, 101270.	4.1	10
4	Forward and inverse design of kirigami via supervised autoencoder. Physical Review Research, 2020, 2, .	3.6	39
5	Accelerated Search and Design of Stretchable Graphene Kirigami Using Machine Learning. Physical Review Letters, 2018, 121, 255304.	7.8	118
6	Strain-induced gauge and Rashba fields in ferroelectric Rashba lead chalcogenide <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Pb</mml:mi><mml:mi>X</mml:mi></mml:mrow></mml:n monolayers (<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 537 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:m	3.2	22
7	Two-dimensional square buckled Rashba lead chalcogenides. Physical Review B, 2017, 96, .	3.2	29
8	Kirigami actuators. Soft Matter, 2017, 13, 9087-9092.	2.7	79
9	Polarization and valley switching in monolayer group-IV monochalcogenides. Physical Review B, 2016, 94, .	3.2	122
10	Highly stretchable MoS₂kirigami. Nanoscale, 2016, 8, 458-463.	5.6	68
11	Cooperative motion as an organizing principle for understanding relaxation in supported thin polymer films. , 2016, , 267-300.		1
12	A unifying framework to quantify the effects of substrate interactions, stiffness, and roughness on the dynamics of thin supported polymer films. Journal of Chemical Physics, 2015, 142, 234907.	3.0	118
13	Quantitative relations between cooperative motion, emergent elasticity, and free volume in model glass-forming polymer materials. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2966-2971.	7.1	171
14	Interfacial mobility scale determines the scale of collective motion and relaxation rate in polymer films. Nature Communications, 2014, 5, 4163.	12.8	202
15	Local variation of fragility and glass transition temperature of ultra-thin supported polymer films. Journal of Chemical Physics, 2012, 137, 244901.	3.0	112