

# Paul Z Hanakata

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6451480/publications.pdf>

Version: 2024-02-01

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  | Interfacial mobility scale determines the scale of collective motion and relaxation rate in polymer films. Nature Communications, 2014, 5, 4163.   | 12.8 | 202       |
| 2  | 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       |
| 3  | Polarization and valley switching in monolayer group-IV monochalcogenides. Physical Review B, 2016, 94, .  | 3.2  | 122       |
| 4  | 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       |
| 5  | Accelerated Search and Design of Stretchable Graphene Kirigami Using Machine Learning. Physical Review Letters, 2018, 121, 255304.   | 7.8  | 118       |
| 6  | Local variation of fragility and glass transition temperature of ultra-thin supported polymer films. Journal of Chemical Physics, 2012, 137, 244901.   | 3.0  | 112       |
| 7  | Kirigami actuators. Soft Matter, 2017, 13, 9087-9092.  | 2.7  | 79        |
| 8  | Highly stretchable MoS <sub>2</sub> kirigami. Nanoscale, 2016, 8, 458-463.   | 5.6  | 68        |
| 9  | Forward and inverse design of kirigami via supervised autoencoder. Physical Review Research, 2020, 2, .  | 3.6  | 39        |
| 10 | Two-dimensional square buckled Rashba lead chalcogenides. Physical Review B, 2017, 96, .   | 3.2  | 29        |
| 11 | Inverse Design of Inflatable Soft Membranes Through Machine Learning. Advanced Functional Materials, 2022, 32, .   | 14.9 | 26        |
| 12 | Strain-induced gauge and Rashba fields in ferroelectric Rashba lead chalcogenide monolayers ( $T_j$ ETQq0 0 0 rgBT /Overlock 10 Tf 50 297 Td )   | 14.9 | 26        |
| 13 | Thermal buckling and symmetry breaking in thin ribbons under compression. Extreme Mechanics Letters, 2021, 44, 101270.   | 4.1  | 10        |
| 14 | Anomalous Thermal Expansion in Ising-like Puckered Sheets. Physical Review Letters, 2022, 128, 075902.   | 7.8  | 7         |
| 15 | Cooperative motion as an organizing principle for understanding relaxation in supported thin polymer films. , 2016, , 267-300.   |      | 1         |