

Yuan Hou

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

468
citations

933447

10
h-index

1125743

13
g-index

14
all docs

14
docs citations

14
times ranked

472
citing authors

#	ARTICLE	IF	CITATIONS
1	Interface-Governed Deformation of Nanobubbles and Nanotents Formed by Two-Dimensional Materials. <i>Physical Review Letters</i> , 2018, 121, 266101.	7.8	86
2	Mechanical behavior and properties of hydrogen bonded graphene/polymer nano-interfaces. <i>Composites Science and Technology</i> , 2016, 136, 1-9.	7.8	80
3	Tuning friction to a superlubric state via in-plane straining. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 24452-24456.	7.1	72
4	Abnormal conductivity in low-angle twisted bilayer graphene. <i>Science Advances</i> , 2020, 6, .	10.3	54
5	Preparation of Twisted Bilayer Graphene via the Wetting Transfer Method. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 40958-40967.	8.0	35
6	Multifunctional Polymer-Based Graphene Foams with Buckled Structure and Negative Poisson's Ratio. <i>Scientific Reports</i> , 2016, 6, 32989.	3.3	31
7	Domino-like stacking order switching in twisted monolayer-multilayer graphene. <i>Nature Materials</i> , 2022, 21, 621-626.	27.5	28
8	Growth of Ultraflat Graphene with Greatly Enhanced Mechanical Properties. <i>Nano Letters</i> , 2020, 20, 6798-6806.	9.1	19
9	Elastocapillary cleaning of twisted bilayer graphene interfaces. <i>Nature Communications</i> , 2021, 12, 5069.	12.8	19
10	Deep Elastic Strain Engineering of 2D Materials and Their Twisted Bilayers. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 8655-8663.	8.0	16
11	Mechanical Behavior of Blisters Spontaneously Formed by Multilayer 2D Materials. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	12
12	Evaluation local strain of twisted bilayer graphene via moiré pattern. <i>Optics and Lasers in Engineering</i> , 2022, 152, 106946.	3.8	10
13	Elastic-plastic properties of graphene engineered by oxygen functional groups. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 385305.	2.8	6
14	Mechanical Behavior of Blisters Spontaneously Formed by Multilayer 2D Materials (<i>Adv. Mater.</i>)	3.7	10