

Cangyu Qu

List of Publications by Year in descending order

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17
papers

499
citations

759233

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17
times ranked

451
citing authors

#	ARTICLE	IF	CITATIONS
1	Harnessing Multiple Folding Mechanisms in Soft Periodic Structures for Tunable Control of Elastic Waves. <i>Advanced Functional Materials</i> , 2014, 24, 4935-4942.	14.9	167
2	Strain Engineering Modulates Graphene Interlayer Friction by Moiré Pattern Evolution. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 36169-36176.	8.0	47
3	Origin of Friction in Superlubric Graphite Contacts. <i>Physical Review Letters</i> , 2020, 125, 126102.	7.8	44
4	Generalized Scaling Law of Structural Superlubricity. <i>Nano Letters</i> , 2019, 19, 7735-7741.	9.1	42
5	Structural Superlubricity Based on Crystalline Materials. <i>Small</i> , 2020, 16, e1903018.	10.0	29
6	Temperature and velocity dependent friction of a microscale graphite-DLC heterostructure. <i>Friction</i> , 2020, 8, 462-470.	6.4	27
7	Characterization of a Microscale Superlubric Graphite Interface. <i>Physical Review Letters</i> , 2020, 125, 026101.	7.8	25
8	Recent understanding of solid-liquid friction in ionic liquids. <i>Green Chemical Engineering</i> , 2021, 2, 145-157.	6.3	25
9	Eliminating delamination of graphite sliding on diamond-like carbon. <i>Carbon</i> , 2018, 132, 444-450.	10.3	22
10	Negative friction coefficient in microscale graphite/mica layered heterojunctions. <i>Science Advances</i> , 2020, 6, eaaz6787.	10.3	17
11	Load-induced dynamical transitions at graphene interfaces. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 12618-12623.	7.1	14
12	Rotational Instability in Superlubric Joints. <i>Physical Review Letters</i> , 2019, 122, 246101.	7.8	13
13	Direct fabrication of graphite-mica heterojunction and in situ control of their relative orientation. <i>Materials and Design</i> , 2018, 160, 371-376.	7.0	10
14	Direct Measurement of Adhesions of Liquids on Graphite. <i>Journal of Physical Chemistry C</i> , 2019, 123, 11671-11676.	3.1	7
15	Scratching of Graphene-Coated Cu Substrates Leads to Hardened Cu Interfaces with Enhanced Lubricity. <i>ACS Applied Nano Materials</i> , 2020, 3, 1992-1998.	5.0	6
16	Design and optimization of the diamagnetic lateral force calibration method. <i>Review of Scientific Instruments</i> , 2018, 89, 113704.	1.3	4
17	Diffusion Induced Different Distributions of Sulfur Clusters on Suspended and Supported Graphene. <i>Journal of Physical Chemistry C</i> , 2021, 125, 11722-11727.	3.1	0