Zenan Qi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1325407/publications.pdf

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13	692	759233 12	1125743 13
papers	citations	h-index	g-index

13	13	13	1218
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Elastic bending modulus of single-layer molybdenum disulfide (MoS₂): finite thickness effect. Nanotechnology, 2013, 24, 435705.	2.6	141
2	Atomistic simulations of tension-induced large deformation and stretchability in graphene kirigami. Physical Review B, 2014, 90, .	3.2	109
3	How Graphene Slides: Measurement and Theory of Strain-Dependent Frictional Forces between Graphene and SiO₂. Nano Letters, 2013, 13, 2605-2610.	9.1	100
4	Highly stretchable MoS₂kirigami. Nanoscale, 2016, 8, 458-463.	5.6	68
5	Pseudomagnetic fields in graphene nanobubbles of constrained geometry: A molecular dynamics study. Physical Review B, 2014, 90, .	3.2	52
6	Resonant Tunneling in Graphene Pseudomagnetic Quantum Dots. Nano Letters, 2013, 13, 2692-2697.	9.1	49
7	Fermi-Pasta-Ulam Physics with Nanomechanical Graphene Resonators: Intrinsic Relaxation and Thermalization from Flexural Mode Coupling. Physical Review Letters, 2014, 112, 145503.	7.8	36
8	Conductance signatures of electron confinement induced by strained nanobubbles in graphene. Nanoscale, 2015, 7, 15300-15309.	5.6	35
9	Intrinsic energy dissipation in CVD-grown graphene nanoresonators. Nanoscale, 2012, 4, 3460.	5.6	30
10	A molecular simulation analysis of producing monatomic carbon chains by stretching ultranarrow graphene nanoribbons. Nanotechnology, 2010, 21, 265702.	2.6	25
11	Graphene kirigami as a platform for stretchable and tunable quantum dot arrays. Physical Review B, 2016, 93, .	3.2	25
12	Density functional theory calculation of edge stresses in monolayer MoS2. Journal of Applied Physics, 2013, 114, 163508.	2.5	21
13	Coupling tension and shear for highly sensitive graphene-based strain sensors. 2D Materials, 2015, 2, 035002.	4.4	1