

Yifan Wang

List of Publications by Year in descending order

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18
papers

751
citations

687363

13
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

1239
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of Nonreciprocal Wave Propagation in a Dynamic Phononic Lattice. <i>Physical Review Letters</i> , 2018, 121, 194301.	7.8	155
2	Structured fabrics with tunable mechanical properties. <i>Nature</i> , 2021, 596, 238-243.	27.8	155
3	Stretch-Induced Stiffness Enhancement of Graphene Grown by Chemical Vapor Deposition. <i>ACS Nano</i> , 2013, 7, 1171-1177.	14.6	75
4	Subnanometre ligand-shell asymmetry leads to Janus-like nanoparticle membranes. <i>Nature Materials</i> , 2015, 14, 912-917.	27.5	71
5	Ion irradiation induced structural and electrical transition in graphene. <i>Journal of Chemical Physics</i> , 2010, 133, 234703.	3.0	70
6	Architected lattices with adaptive energy absorption. <i>Extreme Mechanics Letters</i> , 2019, 33, 100557.	4.1	52
7	Fracture and Failure of Nanoparticle Monolayers and Multilayers. <i>Nano Letters</i> , 2014, 14, 826-830.	9.1	29
8	Mechanical properties of self-assembled nanoparticle membranes: stretching and bending. <i>Faraday Discussions</i> , 2015, 181, 325-338.	3.2	29
9	Tuning of Surface-Acoustic-Wave Dispersion via Magnetically Modulated Contact Resonances. <i>Physical Review Applied</i> , 2019, 11, .	3.8	19
10	Nonlinear Frameworks for Reversible and Pluripotent Wetting on Topographic Surfaces. <i>Advanced Materials</i> , 2017, 29, 1605078.	21.0	18
11	Strong Resistance to Bending Observed for Nanoparticle Membranes. <i>Nano Letters</i> , 2015, 15, 6732-6737.	9.1	17
12	Thermomechanical Response of Self-Assembled Nanoparticle Membranes. <i>ACS Nano</i> , 2017, 11, 8026-8033.	14.6	17
13	Modeling and Measuring Viscoelasticity with Dynamic Atomic Force Microscopy. <i>Physical Review Applied</i> , 2018, 10, .	3.8	13
14	Nonlinear localized modes in two-dimensional hexagonally-packed magnetic lattices. <i>New Journal of Physics</i> , 2021, 23, 043008.	2.9	12
15	Parametric oscillation of electromagnetic waves in momentum band gaps of a spatiotemporal crystal. <i>Photonics Research</i> , 2021, 9, 142.	7.0	11
16	Conforming nanoparticle sheets to surfaces with Gaussian curvature. <i>Soft Matter</i> , 2018, 14, 9107-9117.	2.7	7
17	Medical Devices: Nonlinear Frameworks for Reversible and Pluripotent Wetting on Topographic Surfaces (<i>Adv. Mater.</i> 7/2017). <i>Advanced Materials</i> , 2017, 29, .	21.0	1
18	Properties of self-assembled nanostructures: general discussion. <i>Faraday Discussions</i> , 2015, 181, 365-381.	3.2	0