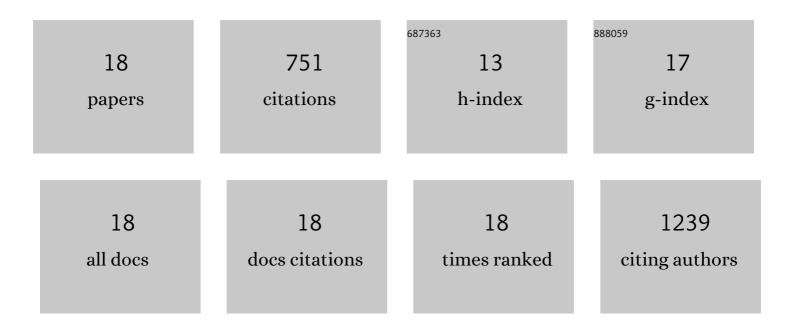
## Yifan Wang

List of Publications by Year in descending order

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