

Qin Xu

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

2,240
citations

623734

14
h-index

752698

20
g-index

23
all docs

23
docs citations

23
times ranked

2571
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiscale Soft Surface Instabilities for Adhesion Enhancement. <i>Materials</i> , 2022, 15, 852.	2.9	0
2	The role of crosslinking density in surface stress and surface energy of soft solids. <i>Soft Matter</i> , 2022, 18, 507-513.	2.7	7
3	Reply to the "Comment on "Surface elastic constants of a soft solid" by E. Gutman, <i>Soft Matter</i> , 2022, 18, DOI: 10.1039/D1SM01412A. <i>Soft Matter</i> , 2022, 18, 4641-4642.	2.7	0
4	Contact lines on stretched soft solids: modelling anisotropic surface stresses. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2021, 477, .	2.1	6
5	Droplets Sit and Slide Anisotropically on Soft, Stretched Substrates. <i>Physical Review Letters</i> , 2021, 126, 158004.	7.8	17
6	Viscoelastic and Poroelastic Relaxations of Soft Solid Surfaces. <i>Physical Review Letters</i> , 2020, 125, 238002.	7.8	21
7	Stress fluctuations and shear thickening in dense granular suspensions. <i>Journal of Rheology</i> , 2020, 64, 321-328.	2.6	17
8	Singular dynamics in the failure of soft adhesive contacts. <i>Soft Matter</i> , 2019, 15, 1327-1334.	2.7	19
9	Effects of strain-dependent surface stress on the adhesive contact of a rigid sphere to a compliant substrate. <i>Soft Matter</i> , 2019, 15, 2223-2231.	2.7	10
10	Liquid-Liquid Phase Separation in an Elastic Network. <i>Physical Review X</i> , 2018, 8, .	8.9	57
11	Surface elastic constants of a soft solid. <i>Soft Matter</i> , 2018, 14, 916-920.	2.7	44
12	The mechanical equilibrium of soft solids with surface elasticity. <i>Soft Matter</i> , 2018, 14, 4569-4576.	2.7	20
13	Direct measurement of strain-dependent solid surface stress. <i>Nature Communications</i> , 2017, 8, 555.	12.8	79
14	Strain-Dependent Solid Surface Stress and the Stiffness of Soft Contacts. <i>Physical Review X</i> , 2017, 7, .	8.9	6
15	Shear thickening in highly viscous granular suspensions. <i>Europhysics Letters</i> , 2014, 107, 68004.	2.0	16
16	Dense Suspension Splat: Monolayer Spreading and Hole Formation after Impact. <i>Physical Review Letters</i> , 2014, 113, 044502.	7.8	15
17	Fast Imaging Technique to Study Drop Impact Dynamics of Non-Newtonian Fluids. <i>Journal of Visualized Experiments</i> , 2014, , .	0.3	1
18	Splashing Onset in Dense Suspension Droplets. <i>Physical Review Letters</i> , 2013, 111, 028301.	7.8	31

#	ARTICLE	IF	CITATIONS
19	Cinnamate-based DNA photolithography. Nature Materials, 2013, 12, 747-753.	27.5	43
20	Impact dynamics of oxidized liquid metal drops. Physical Review E, 2013, 87, 043012.	2.1	25
21	Effect of oxidation on the mechanical properties of liquid gallium and eutectic gallium-indium. Physics of Fluids, 2012, 24, .	4.0	189
22	Gradient-index meta-surfaces as a bridge linking propagating waves and surface waves. Nature Materials, 2012, 11, 426-431.	27.5	1,617
23	Controlling electromagnetic waves with meta-surfaces. SPIE Newsroom, 0, , .	0.1	0