

Qin Xu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/581036/publications.pdf>

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	Gradient-index meta-surfaces as a bridge linking propagating waves and surface waves. <i>Nature Materials</i> , 2012, 11, 426-431.	27.5	1,617
2	Effect of oxidation on the mechanical properties of liquid gallium and eutectic gallium-indium. <i>Physics of Fluids</i> , 2012, 24, .	4.0	189
3	Direct measurement of strain-dependent solid surface stress. <i>Nature Communications</i> , 2017, 8, 555.	12.8	79
4	Liquid-Liquid Phase Separation in an Elastic Network. <i>Physical Review X</i> , 2018, 8, .	8.9	57
5	Surface elastic constants of a soft solid. <i>Soft Matter</i> , 2018, 14, 916-920.	2.7	44
6	Cinnamate-based DNA photolithography. <i>Nature Materials</i> , 2013, 12, 747-753.	27.5	43
7	Splashing Onset in Dense Suspension Droplets. <i>Physical Review Letters</i> , 2013, 111, 028301.	7.8	31
8	Impact dynamics of oxidized liquid metal drops. <i>Physical Review E</i> , 2013, 87, 043012.	2.1	25
9	Viscoelastic and Poroelastic Relaxations of Soft Solid Surfaces. <i>Physical Review Letters</i> , 2020, 125, 238002.	7.8	21
10	The mechanical equilibrium of soft solids with surface elasticity. <i>Soft Matter</i> , 2018, 14, 4569-4576.	2.7	20
11	Singular dynamics in the failure of soft adhesive contacts. <i>Soft Matter</i> , 2019, 15, 1327-1334.	2.7	19
12	Stress fluctuations and shear thickening in dense granular suspensions. <i>Journal of Rheology</i> , 2020, 64, 321-328.	2.6	17
13	Droplets Sit and Slide Anisotropically on Soft, Stretched Substrates. <i>Physical Review Letters</i> , 2021, 126, 158004.	7.8	17
14	Shear thickening in highly viscous granular suspensions. <i>Europhysics Letters</i> , 2014, 107, 68004.	2.0	16
15	Dense Suspension Splat: Monolayer Spreading and Hole Formation after Impact. <i>Physical Review Letters</i> , 2014, 113, 044502.	7.8	15
16	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
17	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
18	Strain-Dependent Solid Surface Stress and the Stiffness of Soft Contacts. <i>Physical Review X</i> , 2017, 7, .	8.9	6

#	ARTICLE	IF	CITATIONS
19	Contact lines on stretched soft solids: modelling anisotropic surface stresses. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2021, 477, .	2.1	6
20	Fast Imaging Technique to Study Drop Impact Dynamics of Non-Newtonian Fluids. Journal of Visualized Experiments, 2014, , .	0.3	1
21	Controlling electromagnetic waves with meta-surfaces. SPIE Newsroom, 0, , .	0.1	0
22	Multiscale Soft Surface Instabilities for Adhesion Enhancement. Materials, 2022, 15, 852.	2.9	0
23	Reply to the "Comment on "Surface elastic constants of a soft solid" by E. Gutman, Soft Matter, 2022, 18, DOI: 10.1039/D1SM01412A. Soft Matter, 2022, 18, 4641-4642.	2.7	0