Debadi Chakraborty

List of Publications by Year
in descending order

18	541	759233 12	839539 18
papers	citations	h-index	g-index

18	18	18	724
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Autonomous propulsion of nanorods trapped in an acoustic field â€“ CORRIGENDUM. Journal of Fluid Mechanics, 2022, 935, .	3.4	1
2	Viscoelasticity Enhances Nanometer-Scale Slip in Gigahertz-Frequency Liquid Flows. Journal of Physical Chemistry Letters, 2021, 12, 3449-3455.	4.6	10
3	Measurement of Navier Slip on Individual Nanoparticles in Liquid. Nano Letters, 2021, 21, 4959-4965.	9.1	11
4	Squeeze-Film Effect on Atomically Thin Resonators in the High-Pressure Limit. Nano Letters, 2021, 21, 7617-7624.	9.1	5
5	Large-scale parallelization of nanomechanical mass spectrometry with weakly-coupled resonators. Nature Communications, 2019, 10, 3647.	12.8	24
6	Large-Area Nanofabrication of Partially Embedded Nanostructures for Enhanced Plasmonic Hot-Carrier Extraction. ACS Applied Nano Materials, 2019, 2, 1164-1169.	5.0	3
7	Wrinkling of transversely loaded spinning membranes. International Journal of Solids and Structures, 2018, 139-140, 163-173.	2.7	14
8	When Can the Elastic Properties of Simple Liquids Be Probed Using High-Frequency Nanoparticle Vibrations?. Journal of Physical Chemistry C, 2018, 122, 13347-13353.	3.1	18
9	Polycrystallinity of Lithographically Fabricated Plasmonic Nanostructures Dominates Their Acoustic Vibrational Damping. Nano Letters, 2018, 18, 3494-3501.	9.1	35
10	Optomechanics of Single Aluminum Nanodisks. Nano Letters, 2017, 17, 2575-2583.	9.1	50
11	Vibrational coupling in plasmonic molecules. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 11621-11626.	7.1	49
12	Autonomous propulsion of nanorods trapped in an acoustic field. Journal of Fluid Mechanics, 2017, 825, 29-48.	3.4	36
13	Resonant frequencies of cantilevered sheets under various clamping configurations immersed in fluid. Journal of Applied Physics, 2016, 120, .	2.5	11
14	Compressible Viscoelastic Liquid Effects Generated by the Breathing Modes of Isolated Metal Nanowires. Nano Letters, 2015, 15, 3964-3970.	9.1	39
15	Constitutive models for linear compressible viscoelastic flows of simple liquids at nanometer length scales. Physics of Fluids, 2015, 27, .	4.0	46
16	Tuning the acoustic frequency of a gold nanodisk through its adhesion layer. Nature Communications, 2015, 6, 7022.	12.8	65
17	Viscoelastic Flows in Simple Liquids Generated by Vibrating Nanostructures. Physical Review Letters, 2013, 111, 244502.	7.8	88
18	Vibration of Nanoparticles in Viscous Fluids. Journal of Physical Chemistry C, 2013, 117, 8536-8544.	3.1	36