Sepideh Khodaparast

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/609667/publications.pdf

Version: 2024-02-01

24	479	623188 14	713013 21
papers	citations	h-index	g-index

26	26	26	589
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bacterial Biofilm Material Properties Enable Removal and Transfer by Capillary Peeling. Advanced Materials, 2018, 30, e1804153.	11.1	62
2	Bubble-Driven Detachment of Bacteria from Confined Microgeometries. Environmental Science & Technology, 2017, 51, 1340-1347.	4.6	48
3	Particle entrainment in dead-end pores by diffusiophoresis. Soft Matter, 2019, 15, 3879-3885.	1.2	39
4	Water-Based Peeling of Thin Hydrophobic Films. Physical Review Letters, 2017, 119, 154502.	2.9	34
5	Sudden expansions in circular microchannels: flow dynamics and pressure drop. Microfluidics and Nanofluidics, 2014, 17, 561-572.	1.0	31
6	Micellar structure and transformations in sodium alkylbenzenesulfonate (NaLAS) aqueous solutions: effects of concentration, temperature, and salt. Soft Matter, 2020, 16, 7835-7844.	1.2	29
7	A micro particle shadow velocimetry (Î¼PSV) technique to measure flows in microchannels. Experiments in Fluids, 2013, 54, 1.	1.1	25
8	Armoring confined bubbles in the flow of colloidal suspensions. Soft Matter, 2017, 13, 2857-2865.	1.2	23
9	Dewetting of Thin Liquid Films Surrounding Air Bubbles in Microchannels. Langmuir, 2018, 34, 1363-1370.	1.6	22
10	Laboratory layered latte. Nature Communications, 2017, 8, 1960.	5.8	20
11	Tensiometry and FTIR study of the synergy in mixed SDS:DDAO surfactant solutions at varying pH. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 618, 126414.	2.3	17
12	Separation of particles by size from a suspension using the motion of a confined bubble. Applied Physics Letters, 2018, 112, .	1.5	16
13	Pure and mixed aqueous micellar solutions of Sodium Dodecyl sulfate (SDS) and Dimethyldodecyl Amine Oxide (DDAO): Role of temperature and composition. Journal of Colloid and Interface Science, 2021, 582, 1116-1127.	5.0	15
14	CO₂-Driven diffusiophoresis for maintaining a bacteria-free surface. Soft Matter, 2021, 17, 2568-2576.	1.2	15
15	Orthogonal wave superposition of wrinkled, plasma-oxidised, polydimethylsiloxane surfaces. Soft Matter, 2020, 16, 595-603.	1.2	12
16	Spontaneous formation of multilamellar vesicles from aqueous micellar solutions of sodium linear alkylbenzene sulfonate (NaLAS). Journal of Colloid and Interface Science, 2019, 546, 221-230.	5.0	11
17	Effect of buoyancy on the motion of long bubbles in horizontal tubes. Physical Review Fluids, 2017, 2, .	1.0	11
18	Fountain mixing in a filling box at low Reynolds numbers. Physical Review Fluids, 2019, 4, .	1.0	10

#	Article	IF	Citations
19	Lamellar-to-MLV transformation in SDS/octanol/brine examined by microfluidic-SANS and polarised microscopy. Soft Matter, 2021, 17, 10053-10062.	1.2	9
20	Temporally Arrested Breath Figure. ACS Applied Materials & Interfaces, 2022, 14, 27435-27443.	4.0	8
21	A microfluidic-multiwell platform for rapid phase mapping of surfactant solutions. Review of Scientific Instruments, 2020, 91, 045109.	0.6	6
22	Protocol to perform pressurized blister tests on thin elastic films. European Physical Journal E, 2017, 40, 64.	0.7	5
23	Surface-Induced Crystallization of Sodium Dodecyl Sulfate (SDS) Micellar Solutions in Confinement. Langmuir, 2021, 37, 230-239.	1.6	4
24	Growth of Myelin Figures from Parent Multilamellar Vesicles. Langmuir, 2021, 37, 12512-12517.	1.6	3