Beng Hau Tan

List of Publications by Year
in descending order

19	613	687220 13	794469 19
papers	citations	h-index	g-index

21	21	21	757
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Strong shear flows release gaseous nuclei from surface micro- and nanobubbles. Physical Review Fluids, 2021, 6, .	1.0	2
2	Stability of surface and bulk nanobubbles. Current Opinion in Colloid and Interface Science, 2021, 53, 101428.	3.4	56
3	Transient Solubility Gradients Mediate Oversaturation during Solvent Exchange. Physical Review Letters, 2021, 126, 234502.	2.9	7
4	Identifying surface-attached nanobubbles. Current Opinion in Colloid and Interface Science, 2021, 53, 101429.	3.4	11
5	The interplay among gas, liquid and solid interactions determines the stability of surface nanobubbles. Nanoscale, 2020, 12, 22698-22709.	2.8	27
6	How Bulk Nanobubbles Might Survive. Physical Review Letters, 2020, 124, 134503.	2.9	71
7	Merging of soap bubbles and why surfactant matters. Applied Physics Letters, 2020, 116, .	1.5	7
8	Direct Measurement of the Contents, Thickness, and Internal Pressure of Molybdenum Disulfide Nanoblisters. Nano Letters, 2020, 20, 3478-3484.	4.5	14
9	Stability, Dynamics, and Tolerance to Undersaturation of Surface Nanobubbles. Physical Review Letters, 2019, 122, 134502.	2.9	43
10	Surface Nanobubbles Are Stabilized by Hydrophobic Attraction. Physical Review Letters, 2018, 120, 164502.	2.9	56
11	Bjerknes Forces in Motion: Longâ€Range Translational Motion and Chiral Directionality Switching in Bubbleâ€Propelled Micromotors via an Ultrasonic Pathway. Advanced Functional Materials, 2018, 28, 1702618.	7.8	41
12	Viscous field-aligned water exhibits cubic-ice-like structural motifs. Physical Chemistry Chemical Physics, 2018, 20, 19877-19884.	1.3	6
13	Graphene Nanobubbles Produced by Water Splitting. Nano Letters, 2017, 17, 2833-2838.	4.5	43
14	Resolving the Pinning Force of Nanobubbles with Optical Microscopy. Physical Review Letters, 2017, 118, 054501.	2.9	58
15	Robust Whispering-Gallery-Mode Microbubble Lasers from Colloidal Quantum Dots. Nano Letters, 2017, 17, 2640-2646.	4.5	83
16	Etched nanoholes in graphitic surfaces for enhanced electrochemistry of basal plane. Carbon, 2017, 123, 84-92.	5.4	13
17	Growth and wetting of water droplet condensed between micron-sized particles and substrate. Scientific Reports, 2016, 6, 30989.	1.6	5
18	Distinguishing Nanobubbles from Nanodroplets with AFM: The Influence of Vertical and Lateral Imaging Forces. Langmuir, 2016, 32, 12710-12715.	1.6	40

#	Article	IF	Citations
19	Stability of Nanobubbles Formed at the Interface between Cold Water and Hot Highly Oriented Pyrolytic Graphite. Langmuir, 2016, 32, 11212-11220.	1.6	30