Chin H Ooi

List of Publications by Year
in descending order

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42 papers	1,435 citations	304368 22 h-index	329751 37 g-index
46 all docs	46 docs citations	46 times ranked	1039 citing authors

#	Article	IF	Citations
1	Investigation of liquid marble shell using Xâ€ray: shell thickness and effective surface tension. ChemNanoMat, 2022, 8, .	1.5	4
2	Noninvasive refilling of liquid marbles with water for microfluidic applications. Applied Physics Letters, 2022, 120, .	1.5	3
3	Controllable high-performance liquid marble micromixer. Lab on A Chip, 2022, 22, 1508-1518.	3.1	15
4	Digital Imagingâ€based Colourimetry for Enzymatic Processes in Transparent Liquid Marbles. ChemPhysChem, 2021, 22, 99-105.	1.0	12
5	Effect of Core Liquid Surface Tension on the Liquid Marble Shell. Advanced Materials Interfaces, 2021, 8, 2001591.	1.9	15
6	Liquid marble-based digital microfluidics â€“ fundamentals and applications. Lab on A Chip, 2021, 21, 1199-1216.	3.1	41
7	Measuring the effective surface tension of a floating liquid marble using X-ray imaging. Soft Matter, 2021, 17, 4069-4076.	1.2	8
8	Wide-Band-Gap Semiconductors for Biointegrated Electronics: Recent Advances and Future Directions. ACS Applied Electronic Materials, 2021, 3, 1959-1981.	2.0	21
9	Loop-Mediated Isothermal Amplification in a Core-Shell Bead Assay for the Detection of Tyrosine Kinase AXL Overexpression. Micromachines, 2021, 12, 905.	1.4	3
10	Oscillating sessile liquid marble - A tool to assess effective surface tension. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 627, 127176.	2.3	10
11	Electrostatically excited liquid marble as a micromixer. Reaction Chemistry and Engineering, 2021, 6, 1386-1394.	1.9	13
12	Modelling Sessile Droplet Profile Using Asymmetrical Ellipses. Processes, 2021, 9, 2081.	1.3	2
13	Critical Trapping Conditions for Floating Liquid Marbles. Physical Review Applied, 2020, 13, .	1.5	15
14	Capillarity: revisiting the fundamentals of liquid marbles. Microfluidics and Nanofluidics, 2020, 24, 1.	1.0	28
15	Liquid Marbles as Miniature Reactors for Chemical and Biological Applications. Processes, 2020, 8, 793.	1.3	60
16	Core-Shell Beads as Microreactors for Phylogrouping of E. coli Strains. Micromachines, 2020, 11, 761.	1.4	8
17	Core-Shell Beads Made by Composite Liquid Marble Technology as A Versatile Microreactor for Polymerase Chain Reaction. Micromachines, 2020, 11, 242.	1.4	31
18	Inertial Microfluidic Purification of Floating Cancer Cells for Drug Screening and Three-Dimensional Tumor Models. Analytical Chemistry, 2020, 92, 11558-11564.	3.2	20

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19	Direct Measurement of the Contents, Thickness, and Internal Pressure of Molybdenum Disulfide Nanoblisters. Nano Letters, 2020, 20, 3478-3484.	4.5	14
20	Liquid marbles as biochemical reactors for the polymerase chain reaction. Lab on A Chip, 2019, 19, 3220-3227.	3.1	44
21	The stress-strain relationship of liquid marbles under compression. Applied Physics Letters, 2019, 114, 043701.	1.5	24
22	Fundamentals of Differential Particle Inertial Focusing in Symmetric Sinusoidal Microchannels. Analytical Chemistry, 2019, 91, 4077-4084.	3.2	51
23	Accurate dielectrophoretic positioning of a floating liquid marble with a two-electrode configuration. Microfluidics and Nanofluidics, 2019, 23, 1.	1.0	17
24	An automated on-demand liquid marble generator based on electrohydrodynamic pulling. Review of Scientific Instruments, 2019, 90, 055102.	0.6	17
25	Dielectrophoretic Trapping of a Floating Liquid Marble. Physical Review Applied, 2019, 11, .	1.5	24
26	10.1063/1.5079438.1. , 2019, , .		0
27	Liquid marble coalescence via vertical collision. Soft Matter, 2018, 14, 4160-4168.	1.2	36
28	Manipulation of a floating liquid marble using dielectrophoresis. Lab on A Chip, 2018, 18, 3770-3779.	3.1	27
29	Digital polymerase chain reaction technology â€“ recent advances and future perspectives. Lab on A Chip, 2018, 18, 3717-3732.	3.1	98
30	Picking up and placing a liquid marble using dielectrophoresis. Microfluidics and Nanofluidics, 2018, 22, 1.	1.0	27
31	Evaporation dynamics of liquid marbles at elevated temperatures. RSC Advances, 2018, 8, 15436-15443.	1.7	36
32	Dynamic behaviour of a magnetically actuated floating liquid marble. Microfluidics and Nanofluidics, 2017, 21, 1.	1.0	28
33	Recent Advances and Future Perspectives on Microfluidic Liquid Handling. Micromachines, 2017, 8, 186.	1.4	131
34	Coalescence Processes of Droplets and Liquid Marbles. Micromachines, 2017, 8, 336.	1.4	50
35	Floating mechanism of a small liquid marble. Scientific Reports, 2016, 6, 21777.	1.6	43
36	Measuring the Coefficient of Friction of a Small Floating Liquid Marble. Scientific Reports, 2016, 6, 38346.	1.6	23

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37	Evaporation of Ethanolâ€“Water Binary Mixture Sessile Liquid Marbles. Langmuir, 2016, 32, 6097-6104.	1.6	35
38	Digital microfluidics with a magnetically actuated floating liquid marble. Lab on A Chip, 2016, 16, 2211-2218.	3.1	78
39	A floating self-propelling liquid marble containing aqueous ethanol solutions. RSC Advances, 2015, 5, 101006-101012.	1.7	65
40	Generation of three-dimensional multiple spheroid model of olfactory ensheathing cells using floating liquid marbles. Scientific Reports, 2015, 5, 15083.	1.6	113
41	Manipulation of liquid marbles. Microfluidics and Nanofluidics, 2015, 19, 483-495.	1.0	100
42	Deformation of a floating liquid marble. Soft Matter, 2015, 11, 4576-4583.	1.2	44