

Sreejith Rajan

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

531
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623734

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713466

21
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23
all docs

23
docs citations

23
times ranked

422
citing authors

#	ARTICLE	IF	CITATIONS
1	Digital polymerase chain reaction technology â€œ recent advances and future perspectives. Lab on A Chip, 2018, 18, 3717-3732.	6.0	98
2	Liquid Marbles as Miniature Reactors for Chemical and Biological Applications. Processes, 2020, 8, 793.	2.8	60
3	Liquid marbles as biochemical reactors for the polymerase chain reaction. Lab on A Chip, 2019, 19, 3220-3227.	6.0	44
4	Liquid marble-based digital microfluidics â€œ fundamentals and applications. Lab on A Chip, 2021, 21, 1199-1216.	6.0	41
5	Evaporation dynamics of liquid marbles at elevated temperatures. RSC Advances, 2018, 8, 15436-15443.	3.6	36
6	Core-Shell Beads Made by Composite Liquid Marble Technology as A Versatile Microreactor for Polymerase Chain Reaction. Micromachines, 2020, 11, 242.	2.9	31
7	Capillarity: revisiting the fundamentals of liquid marbles. Microfluidics and Nanofluidics, 2020, 24, 1.	2.2	28
8	Manipulation of a floating liquid marble using dielectrophoresis. Lab on A Chip, 2018, 18, 3770-3779.	6.0	27
9	Dielectrophoretic Trapping of a Floating Liquid Marble. Physical Review Applied, 2019, 11, .	3.8	24
10	Cryoprotectant-Free Freezing of Cells Using Liquid Marbles Filled with Hydrogel. ACS Applied Materials & Interfaces, 2018, 10, 43439-43449.	8.0	23
11	Accurate dielectrophoretic positioning of a floating liquid marble with a two-electrode configuration. Microfluidics and Nanofluidics, 2019, 23, 1.	2.2	17
12	An automated on-demand liquid marble generator based on electrohydrodynamic pulling. Review of Scientific Instruments, 2019, 90, 055102.	1.3	17
13	Critical Trapping Conditions for Floating Liquid Marbles. Physical Review Applied, 2020, 13, .	3.8	15
14	Effect of Core Liquid Surface Tension on the Liquid Marble Shell. Advanced Materials Interfaces, 2021, 8, 2001591.	3.7	15
15	Controllable high-performance liquid marble micromixer. Lab on A Chip, 2022, 22, 1508-1518.	6.0	15
16	Microfluidic Array Chip for Parallel Detection of Waterborne Bacteria. Micromachines, 2019, 10, 883.	2.9	13
17	Surfactant-free, UV-curable coreâ€œshell microcapsules in a hydrophilic PDMS microfluidic device. AIP Advances, 2020, 10, .	1.3	10
18	An automated pipette puller for fabrication of glass micropipettes. Review of Scientific Instruments, 2014, 85, 055105.	1.3	6

#	ARTICLE	IF	CITATIONS
19	Investigation of liquid marble shell using X-ray: shell thickness and effective surface tension. ChemNanoMat, 2022, 8, .	2.8	4
20	Loop-Mediated Isothermal Amplification in a Core-Shell Bead Assay for the Detection of Tyrosine Kinase AXL Overexpression. Micromachines, 2021, 12, 905.	2.9	3
21	Noninvasive refilling of liquid marbles with water for microfluidic applications. Applied Physics Letters, 2022, 120, .	3.3	3
22	A low cost automated specific heat capacity meter for liquids. , 2015, , .		1