

Bubbles navigating through networks of microchannels

Lab on A Chip

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Role of entrapped vapor bubbles during microdroplet evaporation. Applied Physics Letters, 2012, 101, 071602.	3.3	4
2	Engineering of polarized tubular structures in a microfluidic device to study calcium phosphate stone formation. Lab on A Chip, 2012, 12, 4037.	6.0	37
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6	Self-similarity of contact line depinning from textured surfaces. Nature Communications, 2013, 4, 1492.	12.8	181
7	Path selection rules for droplet trains in single-lane microfluidic networks. Physical Review E, 2013, 88, 013012.	2.1	8
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12	Active surfaces: Ferrofluid-impregnated surfaces for active manipulation of droplets. Applied Physics Letters, 2014, 105, .	3.3	103
13	Between giant oscillations and uniform distribution of droplets: The role of varying lumen of channels in microfluidic networks. Physical Review E, 2015, 92, 063008.	2.1	7
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17	Engineering droplet navigation through tertiary-junction microchannels. Microfluidics and Nanofluidics, 2016, 20, 1.	2.2	1
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19	Capillary driven flow in wettability altered microchannel. AIChE Journal, 2017, 63, 4616-4627.	3.6	4

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20	Numerical Study of Bubble Breakup in Fractal Tree-Shaped Microchannels. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5516.	4.1	3
21	Oscillating droplet trains in microfluidic networks and their suppression in blood flow. <i>Nature Physics</i> , 2019, 15, 706-713.	16.7	30
22	Breakup dynamics of droplets in an asymmetric bifurcation by $\hat{1}/4$ PIV and theoretical investigations. <i>Chemical Engineering Science</i> , 2019, 197, 258-268.	3.8	28
23	Non-Newtonian droplet-based microfluidics logic gates. <i>Scientific Reports</i> , 2020, 10, 9293.	3.3	12
24	Droplet behavior and its effects on flow characteristics in T-junction microchannels. <i>Physics of Fluids</i> , 2021, 33, .	4.0	11
25	A deterministic model for bubble propagation through simple and cascaded loops of microchannels in power-law fluids. <i>Physics of Fluids</i> , 2021, 33, .	4.0	7
26	Direct Imaging of Superwetting Behavior on Solid-Liquid-Vapor Triphase Interfaces. <i>Advanced Materials</i> , 2017, 29, 1703009.	21.0	10
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28	Multiphase Lattice Boltzmann simulations of droplets in Microchannel networks. <i>Houille Blanche</i> , 2013, , 5-11.	0.3	0
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31	Microfluidic equivalents of three logical systems for controlling droplet generation: Set, reset, and set-reset latches. <i>Sensors and Actuators A: Physical</i> , 2023, 349, 114073.	4.1	1
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