

Linfeng Xu

List of Publications by Year in descending order

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16
papers

629
citations

566801

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940134

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docs citations

17
times ranked

1039
citing authors

#	ARTICLE	IF	CITATIONS
1	Epi-illumination SPIM for volumetric imaging with high spatial-temporal resolution. <i>Nature Methods</i> , 2019, 16, 501-504.	9.0	125
2	Vacuum-driven power-free microfluidics utilizing the gas solubility or permeability of polydimethylsiloxane (PDMS). <i>Lab on A Chip</i> , 2015, 15, 3962-3979.	3.1	117
3	Various On-Chip Sensors with Microfluidics for Biological Applications. <i>Sensors</i> , 2014, 14, 17008-17036.	2.1	52
4	A new fabrication process for uniform SU-8 thick photoresist structures by simultaneously removing edge bead and air bubbles. <i>Journal of Micromechanics and Microengineering</i> , 2011, 21, 125006.	1.5	39
5	Passive micropumping in microfluidics for point-of-care testing. <i>Biomicrofluidics</i> , 2020, 14, 031503.	1.2	39
6	Fusion and sorting of two parallel trains of droplets using a railroad-like channel network and guiding tracks. <i>Lab on A Chip</i> , 2012, 12, 3936.	3.1	36
7	Continuous-flow in-droplet magnetic particle separation in a droplet-based microfluidic platform. <i>Microfluidics and Nanofluidics</i> , 2012, 13, 613-623.	1.0	34
8	Droplet-based microfluidic device for multiple-droplet clustering. <i>Lab on A Chip</i> , 2012, 12, 725-730.	3.1	31
9	Droplet-based microfluidic washing module for magnetic particle-based assays. <i>Biomicrofluidics</i> , 2014, 8, 044113.	1.2	31
10	Characterizing cell interactions at scale with made-to-order droplet ensembles (MODEs). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	24
11	Syringe-assisted point-of-care micropumping utilizing the gas permeability of polydimethylsiloxane. <i>Microfluidics and Nanofluidics</i> , 2014, 17, 745-750.	1.0	23
12	Phaseguide-assisted blood separation microfluidic device for point-of-care applications. <i>Biomicrofluidics</i> , 2015, 9, 014106.	1.2	21
13	Guiding, distribution, and storage of trains of shape-dependent droplets. <i>Lab on A Chip</i> , 2011, 11, 3915.	3.1	20
14	A Simple Method for Fabrication of Microstructures Using a PDMS Stamp. <i>Micromachines</i> , 2016, 7, 173.	1.4	17
15	Mapping enzyme catalysis with metabolic biosensing. <i>Nature Communications</i> , 2021, 12, 6803.	5.8	17
16	Microbowls with Controlled Concavity for Accurate Microscale Mass Spectrometry. <i>Advanced Materials</i> , 2022, 34, e2108194.	11.1	3