

Linfeng Xu

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

15
papers

408
citations

12
h-index

17
g-index

17
ext. papers

533
ext. citations

7.8
avg. IF

3.44
L-index

#	Paper	IF	Citations
15	Vacuum-driven power-free microfluidics utilizing the gas solubility or permeability of polydimethylsiloxane (PDMS). <i>Lab on A Chip</i> , 2015 , 15, 3962-79	7.2	78
14	Epi-illumination SPIM for volumetric imaging with high spatial-temporal resolution. <i>Nature Methods</i> , 2019 , 16, 501-504	21.6	60
13	Various on-chip sensors with microfluidics for biological applications. <i>Sensors</i> , 2014 , 14, 17008-36	3.8	41
12	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, 3936-42	7.2	32
11	Continuous-flow in-droplet magnetic particle separation in a droplet-based microfluidic platform. <i>Microfluidics and Nanofluidics</i> , 2012 , 13, 613-623	2.8	29
10	Droplet-based microfluidic device for multiple-droplet clustering. <i>Lab on A Chip</i> , 2012 , 12, 725-30	7.2	29
9	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 ²		27
8	Droplet-based microfluidic washing module for magnetic particle-based assays. <i>Biomicrofluidics</i> , 2014 , 8, 044113	3.2	25
7	Phaseguide-assisted blood separation microfluidic device for point-of-care applications. <i>Biomicrofluidics</i> , 2015 , 9, 014106	3.2	19
6	Syringe-assisted point-of-care micropumping utilizing the gas permeability of polydimethylsiloxane. <i>Microfluidics and Nanofluidics</i> , 2014 , 17, 745-750	2.8	18
5	Passive micropumping in microfluidics for point-of-care testing. <i>Biomicrofluidics</i> , 2020 , 14, 031503	3.2	16
4	Guiding, distribution, and storage of trains of shape-dependent droplets. <i>Lab on A Chip</i> , 2011 , 11, 3915-8	7.2	16
3	A Simple Method for Fabrication of Microstructures Using a PDMS Stamp. <i>Micromachines</i> , 2016 , 7,	3.3	12
2	Mapping enzyme catalysis with metabolic biosensing. <i>Nature Communications</i> , 2021 , 12, 6803	17.4	2
1	Microbowls with Controlled Concavity for Accurate Microscale Mass Spectrometry.. <i>Advanced Materials</i> , 2022 , e2108194	24	