

Naiqing Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

324
citations

1307594

7
h-index

1199594

12
g-index

13
all docs

13
docs citations

13
times ranked

417
citing authors

#	ARTICLE	IF	CITATIONS
1	Micro/nano acoustofluidics: materials, phenomena, design, devices, and applications. Lab on A Chip, 2018, 18, 1952-1996.	6.0	198
2	Microliter ultrafast centrifuge platform for size-based particle and cell separation and extraction using novel omnidirectional spiral surface acoustic waves. Lab on A Chip, 2021, 21, 904-915.	6.0	33
3	Practical microcircuits for handheld acoustofluidics. Lab on A Chip, 2021, 21, 1352-1363.	6.0	20
4	Manipulation and Mixing of 200 Femtoliter Droplets in Nanofluidic Channels Using MHz-Order Surface Acoustic Waves. Advanced Science, 2021, 8, 2100408.	11.2	19
5	Powerful Acoustogeometric Streaming from Dynamic Geometric Nonlinearity. Physical Review Letters, 2021, 126, 164502.	7.8	13
6	Optimized, Omnidirectional Surface Acoustic Wave Source: 152°-Rotated Cut of Lithium Niobate for Acoustofluidics. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2020, 67, 2176-2186.	3.0	12
7	Fabrication of Surface Acoustic Wave Devices on Lithium Niobate. Journal of Visualized Experiments, 2020, , .	0.3	11
8	Unapodization: a method to produce laterally uniform surface acoustic waves for acoustofluidics. Journal of Micromechanics and Microengineering, 2021, 31, 104001.	2.6	5
9	Fabrication of Nanoheight Channels Incorporating Surface Acoustic Wave Actuation via Lithium Niobate for Acoustic Nanofluidics. Journal of Visualized Experiments, 2020, , .	0.3	4
10	MHz-Order Surface Acoustic Wave Thruster for Underwater Silent Propulsion. Micromachines, 2020, 11, 419.	2.9	4
11	Shear-dependent microvortices in liquid-liquid flow-focusing geometry: A theoretical, numerical, and experimental study. Physics of Fluids, 2021, 33, .	4.0	3
12	An investigation of maximum particle velocity as a universal invariant-Defined by a statistical measure of failure or plastic energy loss for acoustofluidic applications. Journal of the Acoustical Society of America, 2021, 150, 878-890.	1.1	2