

Shujie Yang

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.

34
papers

834
citations

19
h-index

28
g-index

44
ext. papers

1,169
ext. citations

9.3
avg, IF

4.21
L-index

#	Paper	IF	Citations
34	Wave number-spiral acoustic tweezers for dynamic and reconfigurable manipulation of particles and cells. <i>Science Advances</i> , 2019 , 5, eaau6062	14.3	98
33	Digital acoustofluidics enables contactless and programmable liquid handling. <i>Nature Communications</i> , 2018 , 9, 2928	17.4	96
32	Standing Surface Acoustic Wave (SSAW)-Based Fluorescence-Activated Cell Sorter. <i>Small</i> , 2018 , 14, e18011996	11.9	62
31	Acoustofluidic Salivary Exosome Isolation: A Liquid Biopsy Compatible Approach for Human Papillomavirus-Associated Oropharyngeal Cancer Detection. <i>Journal of Molecular Diagnostics</i> , 2020 , 22, 50-59	5.1	50
30	Surface acoustic waves enable rotational manipulation of <i>Caenorhabditis elegans</i> . <i>Lab on A Chip</i> , 2019 , 19, 984-992	7.2	39
29	A disposable acoustofluidic chip for nano/microparticle separation using unidirectional acoustic transducers. <i>Lab on A Chip</i> , 2020 , 20, 1298-1308	7.2	38
28	Acoustofluidic centrifuge for nanoparticle enrichment and separation. <i>Science Advances</i> , 2021 , 7,	14.3	36
27	Acoustofluidic Synthesis of Particulate Nanomaterials. <i>Advanced Science</i> , 2019 , 6, 1900913	13.6	32
26	High-throughput cell focusing and separation via acoustofluidic tweezers. <i>Lab on A Chip</i> , 2018 , 18, 3003-3010	7.2	32
25	Generating multifunctional acoustic tweezers in Petri dishes for contactless, precise manipulation of bioparticles. <i>Science Advances</i> , 2020 , 6,	14.3	29
24	Acoustofluidics-Assisted Fluorescence-SERS Bimodal Biosensors. <i>Small</i> , 2020 , 16, e2005179	11	28
23	Acoustofluidic devices controlled by cell phones. <i>Lab on A Chip</i> , 2018 , 18, 433-441	7.2	28
22	Cell lysis via acoustically oscillating sharp edges. <i>Lab on A Chip</i> , 2019 , 19, 4021-4032	7.2	28
21	On-chip stool liquefaction via acoustofluidics. <i>Lab on A Chip</i> , 2019 , 19, 941-947	7.2	26
20	An acoustofluidic device for efficient mixing over a wide range of flow rates. <i>Lab on A Chip</i> , 2020 , 20, 1238-1248	7.2	26
19	Acoustic streaming vortices enable contactless, digital control of droplets. <i>Science Advances</i> , 2020 , 6, eaba0606	14.3	22
18	Acoustic tweezers based on circular, slanted-finger interdigital transducers for dynamic manipulation of micro-objects. <i>Lab on A Chip</i> , 2020 , 20, 987-994	7.2	21

17	Contactless, programmable acoustofluidic manipulation of objects on water. <i>Lab on A Chip</i> , 2019 , 19, 3397-3404	7.2	19
16	Open source acoustofluidics. <i>Lab on A Chip</i> , 2019 , 19, 2404-2414	7.2	19
15	Acoustofluidic waveguides for localized control of acoustic wavefront in microfluidics. <i>Microfluidics and Nanofluidics</i> , 2017 , 21, 1	2.8	19
14	Fluorescence-based sorting of <i>Caenorhabditis elegans</i> via acoustofluidics. <i>Lab on A Chip</i> , 2020 , 20, 1729-1739	7.39	15
13	Harmonic acoustics for dynamic and selective particle manipulation.. <i>Nature Materials</i> , 2022 ,	27	15
12	Low-frequency flexural wave based microparticle manipulation. <i>Lab on A Chip</i> , 2020 , 20, 1281-1289	7.2	12
11	Acoustofluidic multimodal diagnostic system for Alzheimer's disease. <i>Biosensors and Bioelectronics</i> , 2022 , 196, 113730	11.8	7
10	Electrochemical micro-aptasensors for exosome detection based on hybridization chain reaction amplification. <i>Microsystems and Nanoengineering</i> , 2021 , 7, 63	7.7	7
9	The flexible package and applications of ultra-thin sensor chip 2015 ,		4
8	CMOS wireless stress sensor IC with 256-cell sensing array for ultra-thin applications. <i>Electronics Letters</i> , 2016 , 52, 1660-1661	1.1	4
7	Acoustofluidic separation enables early diagnosis of traumatic brain injury based on circulating exosomes. <i>Microsystems and Nanoengineering</i> , 2021 , 7, 20	7.7	4
6	Heat-Depolymerizable Polypropylene Carbonate as a Temporary Bonding Adhesive for Fabrication of Flexible Silicon Sensor Chips. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2017 , 7, 1751-1758	1.7	3
5	Electrically Tunable Surface Acoustic Wave Propagation at MHz Frequencies Based on Carbon Nanotube Thin-Film Transistors. <i>Advanced Functional Materials</i> , 2021 , 31, 2010744	15.6	3
4	Acoustofluidics for simultaneous nanoparticle-based drug loading and exosome encapsulation.. <i>Microsystems and Nanoengineering</i> , 2022 , 8, 45	7.7	3
3	Fluorescence-Activated Cell Sorters: Standing Surface Acoustic Wave (SSAW)-Based Fluorescence-Activated Cell Sorter (Small 40/2018). <i>Small</i> , 2018 , 14, 1870185	11	2
2	Three-dimensional integration of suspended single-crystalline silicon MEMS arrays with CMOS 2015 ,		1
1	Acoustofluidic Droplet Sorter Based on Single Phase Focused Transducers. <i>Small</i> , 2021 , 17, e2103848	11	1