Shujie Yang

List of Publications by Year
in descending order

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36	1,554	257101 24	377514 34
papers	citations	h-index	g-index

44	44	44	1373
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Wave numberâ€“spiral acoustic tweezers for dynamic and reconfigurable manipulation of particles and cells. Science Advances, 2019, 5, eaau6062.	4.7	146
2	Digital acoustofluidics enables contactless and programmable liquid handling. Nature Communications, 2018, 9, 2928.	5.8	134
3	Acoustofluidic Salivary Exosome Isolation. Journal of Molecular Diagnostics, 2020, 22, 50-59.	1.2	104
4	Acoustofluidic centrifuge for nanoparticle enrichment and separation. Science Advances, 2021, 7, .	4.7	100
5	Standing Surface Acoustic Wave (SSAW)â€Based Fluorescenceâ€Activated Cell Sorter. Small, 2018, 14, e1801996.	5.2	83
6	A disposable acoustofluidic chip for nano/microparticle separation using unidirectional acoustic transducers. Lab on A Chip, 2020, 20, 1298-1308.	3.1	76
7	Surface acoustic waves enable rotational manipulation of Caenorhabditis elegans. Lab on A Chip, 2019, 19, 984-992.	3.1	69
8	Acoustofluidicsâ€Assisted Fluorescenceâ€SERS Bimodal Biosensors. Small, 2020, 16, e2005179.	5.2	68
9	Harmonic acoustics for dynamic and selective particle manipulation. Nature Materials, 2022, 21, 540-546.	13.3	66
10	Generating multifunctional acoustic tweezers in Petri dishes for contactless, precise manipulation of bioparticles. Science Advances, 2020, 6, .	4.7	59
11	An acoustofluidic device for efficient mixing over a wide range of flow rates. Lab on A Chip, 2020, 20, 1238-1248.	3.1	56
12	High-throughput cell focusing and separation via acoustofluidic tweezers. Lab on A Chip, 2018, 18, 3003-3010.	3.1	55
13	Acoustofluidic Synthesis of Particulate Nanomaterials. Advanced Science, 2019, 6, 1900913.	5.6	49
14	Cell lysisviaacoustically oscillating sharp edges. Lab on A Chip, 2019, 19, 4021-4032.	3.1	47
15	Acoustic streaming vortices enable contactless, digital control of droplets. Science Advances, 2020, 6, eaba0606.	4.7	42
16	On-chip stool liquefaction via acoustofluidics. Lab on A Chip, 2019, 19, 941-947.	3.1	38
17	Electrochemical micro-aptasensors for exosome detection based on hybridization chain reaction amplification. Microsystems and Nanoengineering, 2021, 7, 63.	3.4	38
18	Acoustofluidic devices controlled by cell phones. Lab on A Chip, 2018, 18, 433-441.	3.1	32

#	Article	IF	Citations
19	Acoustic tweezers based on circular, slanted-finger interdigital transducers for dynamic manipulation of micro-objects. Lab on A Chip, 2020, 20, 987-994.	3.1	32
20	Acoustofluidic multimodal diagnostic system for Alzheimer's disease. Biosensors and Bioelectronics, 2022, 196, 113730.	5.3	31
21	Contactless, programmable acoustofluidic manipulation of objects on water. Lab on A Chip, 2019, 19, 3397-3404.	3.1	30
22	Open source acoustofluidics. Lab on A Chip, 2019, 19, 2404-2414.	3.1	28
23	Fluorescence-based sorting of Caenorhabditis elegans via acoustofluidics. Lab on A Chip, 2020, 20, 1729-1739.	3.1	27
24	Acoustofluidics for simultaneous nanoparticle-based drug loading and exosome encapsulation. Microsystems and Nanoengineering, 2022, 8, 45.	3.4	27
25	Acoustofluidic waveguides for localized control of acoustic wavefront in microfluidics. Microfluidics and Nanofluidics, 2017, 21, 1.	1.0	25
26	Acoustofluidic separation enables early diagnosis of traumatic brain injury based on circulating exosomes. Microsystems and Nanoengineering, 2021, 7, 20.	3.4	22
27	Low-frequency flexural wave based microparticle manipulation. Lab on A Chip, 2020, 20, 1281-1289.	3.1	21
28	Acoustofluidic Droplet Sorter Based on Single Phase Focused Transducers. Small, 2021, 17, e2103848.	5.2	17
29	CMOS wireless stress sensor IC with 256â€cell sensing array for ultraâ€thin applications. Electronics Letters, 2016, 52, 1660-1661.	0.5	5
30	Electrically Tunable Surface Acoustic Wave Propagation at MHz Frequencies Based on Carbon Nanotube Thinâ€Film Transistors. Advanced Functional Materials, 2021, 31, 2010744.	7.8	5
31	The flexible package and applications of ultra-thin sensor chip. , 2015, , .		4
32	Heat-Depolymerizable Polypropylene Carbonate as a Temporary Bonding Adhesive for Fabrication of Flexible Silicon Sensor Chips. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2017, 7, 1751-1758.	1.4	4
33	A CMOS stress sensor chip with integrated signal processing circuits. , 2015, , .		3
34	Fluorescence-Activated Cell Sorters: Standing Surface Acoustic Wave (SSAW)-Based Fluorescence-Activated Cell Sorter (Small 40/2018). Small, 2018, 14, 1870185.	5.2	2
35	Three-dimensional integration of suspended single-crystalline silicon MEMS arrays with CMOS. , 2015, , .		1
36	Fabrication of ultra-thin silicon chips using thermally decomposable temporary bonding adhesive. , 2016, , .		0