Chuyi Chen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/351013/publications.pdf

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		361413	642732
20	1,869	20	23
papers	citations	h-index	g-index

23	23	23	2363
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Isolation of exosomes from whole blood by integrating acoustics and microfluidics. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 10584-10589.	7.1	633
2	Wave numberâ€“spiral acoustic tweezers for dynamic and reconfigurable manipulation of particles and cells. Science Advances, 2019, 5, eaau6062.	10.3	146
3	Digital acoustofluidics enables contactless and programmable liquid handling. Nature Communications, 2018, 9, 2928.	12.8	134
4	Circulating Tumor Cell Phenotyping via Highâ€Throughput Acoustic Separation. Small, 2018, 14, e1801131.	10.0	115
5	Acoustofluidic Salivary Exosome Isolation. Journal of Molecular Diagnostics, 2020, 22, 50-59.	2.8	104
6	Acoustofluidic centrifuge for nanoparticle enrichment and separation. Science Advances, 2021, 7, .	10.3	100
7	A disposable acoustofluidic chip for nano/microparticle separation using unidirectional acoustic transducers. Lab on A Chip, 2020, 20, 1298-1308.	6.0	76
8	Surface acoustic waves enable rotational manipulation of Caenorhabditis elegans. Lab on A Chip, 2019, 19, 984-992.	6.0	69
9	Harmonic acoustics for dynamic and selective particle manipulation. Nature Materials, 2022, 21, 540-546.	27.5	66
10	Acoustofluidic Holography for Micro- to Nanoscale Particle Manipulation. ACS Nano, 2020, 14, 14635-14645.	14.6	62
11	Acoustofluidic Synthesis of Particulate Nanomaterials. Advanced Science, 2019, 6, 1900913.	11.2	49
12	Acoustofluidic rotational tweezing enables high-speed contactless morphological phenotyping of zebrafish larvae. Nature Communications, 2021, 12, 1118.	12.8	49
13	Cell lysisviaacoustically oscillating sharp edges. Lab on A Chip, 2019, 19, 4021-4032.	6.0	47
14	Acoustic streaming vortices enable contactless, digital control of droplets. Science Advances, 2020, 6, eaba0606.	10.3	42
15	Three-dimensional numerical simulation and experimental investigation of boundary-driven streaming in surface acoustic wave microfluidics. Lab on A Chip, 2018, 18, 3645-3654.	6.0	36
16	Contactless, programmable acoustofluidic manipulation of objects on water. Lab on A Chip, 2019, 19, 3397-3404.	6.0	30
17	Fluorescence-based sorting of Caenorhabditis elegans via acoustofluidics. Lab on A Chip, 2020, 20, 1729-1739.	6.0	27
18	Fabrication of tunable, high-molecular-weight polymeric nanoparticles via ultrafast acoustofluidic micromixing. Lab on A Chip, 2021, 21, 2453-2463.	6.0	27

#	Article	IF	Citations
19	Acoustofluidics for simultaneous nanoparticle-based drug loading and exosome encapsulation. Microsystems and Nanoengineering, 2022, 8, 45.	7.0	27
20	Acoustoelectronic nanotweezers enable dynamic and large-scale control of nanomaterials. Nature Communications, 2021, 12, 3844.	12.8	22