Chuyi Chen

List of Publications by Year
in descending order

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

Version: 2024-02-01

		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	Harmonic acoustics for dynamic and selective particle manipulation. Nature Materials, 2022, 21, 540-546.	27.5	66
2	Acoustofluidics for simultaneous nanoparticle-based drug loading and exosome encapsulation. Microsystems and Nanoengineering, 2022, 8, 45.	7.0	27
3	Fabrication of tunable, high-molecular-weight polymeric nanoparticles via ultrafast acoustofluidic micromixing. Lab on A Chip, 2021, 21, 2453-2463.	6.0	27
4	Acoustofluidic rotational tweezing enables high-speed contactless morphological phenotyping of zebrafish larvae. Nature Communications, 2021, 12, 1118.	12.8	49
5	Acoustoelectronic nanotweezers enable dynamic and large-scale control of nanomaterials. Nature Communications, 2021, 12, 3844.	12.8	22
6	Acoustofluidic centrifuge for nanoparticle enrichment and separation. Science Advances, 2021, 7, .	10.3	100
7	Acoustofluidic Salivary Exosome Isolation. Journal of Molecular Diagnostics, 2020, 22, 50-59.	2.8	104
8	Acoustic streaming vortices enable contactless, digital control of droplets. Science Advances, 2020, 6, eaba0606.	10.3	42
9	Acoustofluidic Holography for Micro- to Nanoscale Particle Manipulation. ACS Nano, 2020, 14, 14635-14645.	14.6	62
10	A disposable acoustofluidic chip for nano/microparticle separation using unidirectional acoustic transducers. Lab on A Chip, 2020, 20, 1298-1308.	6.0	76
11	Fluorescence-based sorting of Caenorhabditis elegans via acoustofluidics. Lab on A Chip, 2020, 20, 1729-1739.	6.0	27
12	Acoustofluidic Synthesis of Particulate Nanomaterials. Advanced Science, 2019, 6, 1900913.	11.2	49
13	Contactless, programmable acoustofluidic manipulation of objects on water. Lab on A Chip, 2019, 19, 3397-3404.	6.0	30
14	Wave numberâ€“spiral acoustic tweezers for dynamic and reconfigurable manipulation of particles and cells. Science Advances, 2019, 5, eaau6062.	10.3	146
15	Surface acoustic waves enable rotational manipulation of Caenorhabditis elegans. Lab on A Chip, 2019, 19, 984-992.	6.0	69
16	Cell lysisviaacoustically oscillating sharp edges. Lab on A Chip, 2019, 19, 4021-4032.	6.0	47
17	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
18	Circulating Tumor Cell Phenotyping via Highâ€Throughput Acoustic Separation. Small, 2018, 14, e1801131.	10.0	115

#	Article	IF	Citations
19	Digital acoustofluidics enables contactless and programmable liquid handling. Nature Communications, 2018, 9, 2928.	12.8	134
20	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