Joseph Rufo

List of Publications by Year in descending order

25 papers	2,331 citations	361413 20 h-index	580821 25 g-index
25 all docs	25 docs citations	25 times ranked	2174 citing authors

#	Article	IF	Citations
1	Acoustic tweezers for the life sciences. Nature Methods, 2018, 15, 1021-1028.	19.0	513
2	Acoustofluidic separation of cells and particles. Microsystems and Nanoengineering, 2019, 5, 32.	7.0	268
3	An acoustofluidic micromixer based on oscillating sidewall sharp-edges. Lab on A Chip, 2013, 13, 3847.	6.0	220
4	A reliable and programmable acoustofluidic pump powered by oscillating sharp-edge structures. Lab on A Chip, 2014, 14, 4319-4323.	6.0	152
5	A high-throughput acoustic cell sorter. Lab on A Chip, 2015, 15, 3870-3879.	6.0	126
6	Acoustic Separation of Nanoparticles in Continuous Flow. Advanced Functional Materials, 2017, 27, 1606039.	14.9	106
7	Acoustofluidic Salivary Exosome Isolation. Journal of Molecular Diagnostics, 2020, 22, 50-59.	2.8	104
8	Acoustofluidic centrifuge for nanoparticle enrichment and separation. Science Advances, 2021, 7, .	10.3	100
9	Acoustofluidics for biomedical applications. Nature Reviews Methods Primers, 2022, 2, .	21.2	95
10	Experimental and numerical studies on standing surface acoustic wave microfluidics. Lab on A Chip, 2016, 16, 515-524.	6.0	73
11	Harmonic acoustics for dynamic and selective particle manipulation. Nature Materials, 2022, 21, 540-546.	27.5	66
12	Optoacoustic tweezers: a programmable, localized cell concentrator based on opto-thermally generated, acoustically activated, surface bubbles. Lab on A Chip, 2013, 13, 1772.	6.0	63
13	Acoustofluidic Holography for Micro- to Nanoscale Particle Manipulation. ACS Nano, 2020, 14, 14635-14645.	14.6	62
14	Plasmofluidics: Merging Light and Fluids at the Micro-/Nanoscale. Small, 2015, 11, 4423-4444.	10.0	61
15	Microfluidic Isolation and Enrichment of Nanoparticles. ACS Nano, 2020, 14, 16220-16240.	14.6	59
16	Acoustofluidics-Assisted Engineering of Multifunctional Three-Dimensional Zinc Oxide Nanoarrays. ACS Nano, 2020, 14, 6150-6163.	14.6	56
17	Acoustofluidic rotational tweezing enables high-speed contactless morphological phenotyping of zebrafish larvae. Nature Communications, 2021, 12, 1118.	12.8	49
18	Acoustohydrodynamic tweezers via spatial arrangement of streaming vortices. Science Advances, 2021, 7, .	10.3	34

#	Article	IF	Citations
19	Open source acoustofluidics. Lab on A Chip, 2019, 19, 2404-2414.	6.0	28
20	A sound approach to advancing healthcare systems: the future of biomedical acoustics. Nature Communications, 2022, 13, .	12.8	25
21	Acoustofluidic separation enables early diagnosis of traumatic brain injury based on circulating exosomes. Microsystems and Nanoengineering, 2021, 7, 20.	7.0	22
22	Acoustoelectronic nanotweezers enable dynamic and large-scale control of nanomaterials. Nature Communications, 2021, 12, 3844.	12.8	22
23	Acoustofluidic Scanning Nanoscope with High Resolution and Large Field of View. ACS Nano, 2020, 14, 8624-8633.	14.6	16
24	Separation: Acoustic Separation of Nanoparticles in Continuous Flow (Adv. Funct. Mater. 14/2017). Advanced Functional Materials, 2017, 27, .	14.9	10
25	Plasmofluidics: Plasmofluidics: Merging Light and Fluids at the Micro-/Nanoscale (Small 35/2015). Small, 2015, 11, 4422-4422.	10.0	1