

# Joseph Rufo

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Harmonic acoustics for dynamic and selective particle manipulation. <i>Nature Materials</i> , 2022, 21, 540-546.	27.5	66
2	Acoustofluidics for biomedical applications. <i>Nature Reviews Methods Primers</i> , 2022, 2, .	21.2	95
3	A sound approach to advancing healthcare systems: the future of biomedical acoustics. <i>Nature Communications</i> , 2022, 13, .	12.8	25
4	Acoustohydrodynamic tweezers via spatial arrangement of streaming vortices. <i>Science Advances</i> , 2021, 7, .	10.3	34
5	Acoustofluidic rotational tweezing enables high-speed contactless morphological phenotyping of zebrafish larvae. <i>Nature Communications</i> , 2021, 12, 1118.	12.8	49
6	Acoustofluidic separation enables early diagnosis of traumatic brain injury based on circulating exosomes. <i>Microsystems and Nanoengineering</i> , 2021, 7, 20.	7.0	22
7	Acoustoelectronic nanotweezers enable dynamic and large-scale control of nanomaterials. <i>Nature Communications</i> , 2021, 12, 3844.	12.8	22
8	Acoustofluidic centrifuge for nanoparticle enrichment and separation. <i>Science Advances</i> , 2021, 7, .	10.3	100
9	Acoustofluidic Salivary Exosome Isolation. <i>Journal of Molecular Diagnostics</i> , 2020, 22, 50-59.	2.8	104
10	Microfluidic Isolation and Enrichment of Nanoparticles. <i>ACS Nano</i> , 2020, 14, 16220-16240.	14.6	59
11	Acoustofluidic Holography for Micro- to Nanoscale Particle Manipulation. <i>ACS Nano</i> , 2020, 14, 14635-14645.	14.6	62
12	Acoustofluidic Scanning Nanoscope with High Resolution and Large Field of View. <i>ACS Nano</i> , 2020, 14, 8624-8633.	14.6	16
13	Acoustofluidics-Assisted Engineering of Multifunctional Three-Dimensional Zinc Oxide Nanoarrays. <i>ACS Nano</i> , 2020, 14, 6150-6163.	14.6	56
14	Open source acoustofluidics. <i>Lab on A Chip</i> , 2019, 19, 2404-2414.	6.0	28
15	Acoustofluidic separation of cells and particles. <i>Microsystems and Nanoengineering</i> , 2019, 5, 32.	7.0	268
16	Acoustic tweezers for the life sciences. <i>Nature Methods</i> , 2018, 15, 1021-1028.	19.0	513
17	Acoustic Separation of Nanoparticles in Continuous Flow. <i>Advanced Functional Materials</i> , 2017, 27, 1606039.	14.9	106
18	Separation: Acoustic Separation of Nanoparticles in Continuous Flow (Adv. Funct. Mater. 14/2017). <i>Advanced Functional Materials</i> , 2017, 27, .	14.9	10

#	ARTICLE	IF	CITATIONS
19	Experimental and numerical studies on standing surface acoustic wave microfluidics. Lab on A Chip, 2016, 16, 515-524.	6.0	73
20	Plasmofluidics: Plasmofluidics: Merging Light and Fluids at the Micro-/Nanoscale (Small 35/2015). Small, 2015, 11, 4422-4422.	10.0	1
21	Plasmofluidics: Merging Light and Fluids at the Micro-/Nanoscale. Small, 2015, 11, 4423-4444.	10.0	61
22	A high-throughput acoustic cell sorter. Lab on A Chip, 2015, 15, 3870-3879.	6.0	126
23	A reliable and programmable acoustofluidic pump powered by oscillating sharp-edge structures. Lab on A Chip, 2014, 14, 4319-4323.	6.0	152
24	An acoustofluidic micromixer based on oscillating sidewall sharp-edges. Lab on A Chip, 2013, 13, 3847.	6.0	220
25	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