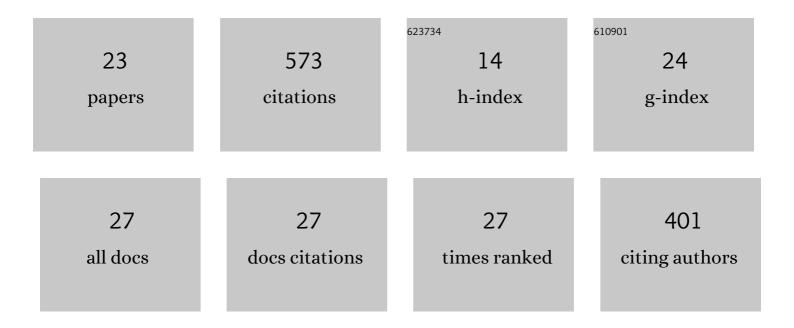
Junjun Lei

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Outer Acoustic Streaming Flow Driven by Asymmetric Acoustic Resonances. Micromachines, 2022, 13, 65.	2.9	2
2	Understanding the relationship between particle size and ultrasonic treatment during the synthesis of metal nanoparticles. Ultrasonics Sonochemistry, 2021, 73, 105497.	8.2	34
3	Multiphase lattice Boltzmann modeling of dielectrophoresis fractionation of soft particles. Physics of Fluids, 2021, 33, 063311.	4.0	3
4	Ultrasonic Particle Manipulation in Glass Capillaries: A Concise Review. Micromachines, 2021, 12, 876.	2.9	14
5	Numerical study of enhanced Rayleigh streaming in resonant cylindrical shells. Journal of Micromechanics and Microengineering, 2021, 31, 104005.	2.6	2
6	Standard and inverse transducer-plane streaming patterns in resonant acoustofluidic devices: Experiments and simulations. Applied Mathematical Modelling, 2020, 77, 456-468.	4.2	9
7	Dexterous formation of unconventional Chladni patterns using standing bulk acoustic waves. Applied Physics Letters, 2020, 117, 184101.	3.3	13
8	Microstreaming inside Model Cells Induced by Ultrasound and Microbubbles. Langmuir, 2020, 36, 6388-6398.	3.5	12
9	Numerical Simulation of Boundary-Driven Acoustic Streaming in Microfluidic Channels with Circular Cross-Sections. Micromachines, 2020, 11, 240.	2.9	22
10	Numerical simulation of continuous separation of microparticles in two-stage acousto-microfluidic systems. Applied Mathematical Modelling, 2020, 83, 342-356.	4.2	13
11	Two-dimensional concentration of microparticles using bulk acousto-microfluidics. Applied Physics Letters, 2020, 116, .	3.3	18
12	Simultaneous imaging and manipulation of microparticles in horizontal and vertical planes of microchannels using a single objective lens. Applied Physics Letters, 2020, 117, .	3.3	7
13	Ultrafast Rayleigh-like streaming in a sub-wavelength slit between two phononic crystal plates. Journal of Applied Physics, 2019, 125, .	2.5	8
14	Effects of micron scale surface profiles on acoustic streaming. Microfluidics and Nanofluidics, 2018, 22, 1.	2.2	21
15	Rapid acoustophoretic motion of microparticles manipulated by phononic crystals. Applied Physics Letters, 2018, 113, .	3.3	19
16	Phononic crystal-enhanced near-boundary streaming for sonoporation. Applied Physics Letters, 2018, 113, 083701.	3.3	20
17	Comparing methods for the modelling of boundary-driven streaming in acoustofluidic devices. Microfluidics and Nanofluidics, 2017, 21, 23.	2.2	59
18	Formation of inverse Chladni patterns in liquids at microscale: roles of acoustic radiation and streaming-induced drag forces. Microfluidics and Nanofluidics, 2017, 21, 50.	2.2	42

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#	Article	IF	CITATIONS
19	Transducer-Plane Streaming Patterns in Thin-Layer Acoustofluidic Devices. Physical Review Applied, 2017, 8, .	3.8	16
20	Modal Rayleigh-like streaming in layered acoustofluidic devices. Physics of Fluids, 2016, 28, .	4.0	36
21	Numerical simulation of 3D boundary-driven acoustic streaming in microfluidic devices. Lab on A Chip, 2014, 14, 532-541.	6.0	78
22	The effect of ultrasound-related stimuli on cell viability in microfluidic channels. Journal of Nanobiotechnology, 2013, 11, 20.	9.1	18
23	Acoustic streaming in the transducer plane in ultrasonic particle manipulation devices. Lab on A Chip, 2013, 13, 2133.	6.0	106