Ye Wang

List of Publications by Year in Descending Order

16 papers	609 citations	11 h-index	17 g-index
17 ext. papers	748 ext. citations	8.1 avg, IF	4.21 L-index

#	Paper	IF	Citations
16	Magnetic bead mixing in a microfluidic chamber induced by an in-plane rotating magnetic field. *Microfluidics and Nanofluidics*, **2022**, 26, 1	2.8	1
15	Self-Cleaning Surfaces Realized by Biologically Sized Magnetic Artificial Cilia. *Advanced Materials Interfaces*, **2022**, 9, 2102016	4.6	2
14	Enhancement of microalgae growth using magnetic artificial cilia. *Biotechnology and Bioengineering*, **2021**, 118, 2472-2481	4.9	4
13	Metachronal Cilia for On-Chip Integrated Pumps and Climbing Robots. *ACS Applied Materials & Interfaces*, **2021**, 13, 20845-20857	9.5	10
12	Enhanced Microfluidic Sample Homogeneity and Improved Antibody-Based Assay Kinetics Due to Magnetic Mixing. *ACS Sensors*, **2021**, 6, 2553-2562	9.2	5
11	Anti-Biofouling and Self-Cleaning Surfaces Featured with Magnetic Artificial Cilia. *ACS Applied Materials & Interfaces*, **2020**, 12, 27726-27736	9.5	26
10	A concise review of microfluidic particle manipulation methods. *Microfluidics and Nanofluidics*, **2020**, 24, 1	2.8	18
9	Controlled Multidirectional Particle Transportation by Magnetic Artificial Cilia. *ACS Nano*, **2020**, 14, 10313-10322	15.8	30
8	Metachronal actuation of microscopic magnetic artificial cilia generates strong microfluidic pumping. *Lab on A Chip*, **2020**, 20, 3569-3581	7.2	19
7	Climbing droplets driven by mechanowetting on transverse waves. *Science Advances*, **2019**, 5, eaaw0914	14.3	20
6	Removal of Microparticles by Ciliated Surfaces: An Experimental Study. *Advanced Functional Materials*, **2019**, 29, 1806434	15.6	24
5	Versatile microfluidic flow generated by moulded magnetic artificial cilia. *Sensors and Actuators B: Chemical*, **2018**, 263, 614-624	8.5	40
4	A continuous roll-pulling approach for the fabrication of magnetic artificial cilia with microfluidic pumping capability. *Lab on A Chip*, **2016**, 16, 2277-86	7.2	31
3	Artificial cilia fabricated using magnetic fiber drawing generate substantial fluid flow. *Microfluidics and Nanofluidics*, **2015**, 18, 167-174	2.8	34
2	Out of the cleanroom, self-assembled magnetic artificial cilia. *Lab on A Chip*, **2013**, 13, 3360-6	7.2	45
1	Synthesis of highly stable dispersions of nanosized copper particles using L-ascorbic acid. *Green Chemistry*, **2011**, 13, 900	10	306