Ye Wang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9391468/publications.pdf

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17	923	686830	887659
papers	citations	13 h-index	17 g-index

17	17	17	1264
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis of highly stable dispersions of nanosized copper particles using l-ascorbic acid. Green Chemistry, 2011, 13, 900.	4.6	392
2	Versatile microfluidic flow generated by moulded magnetic artificial cilia. Sensors and Actuators B: Chemical, 2018, 263, 614-624.	4.0	62
3	Out of the cleanroom, self-assembled magnetic artificial cilia. Lab on A Chip, 2013, 13, 3360.	3.1	58
4	A concise review of microfluidic particle manipulation methods. Microfluidics and Nanofluidics, 2020, 24, 1.	1.0	54
5	Artificial cilia fabricated using magnetic fiber drawing generate substantial fluid flow. Microfluidics and Nanofluidics, 2015, 18, 167-174.	1.0	43
6	Anti-Biofouling and Self-Cleaning Surfaces Featured with Magnetic Artificial Cilia. ACS Applied Materials & Interfaces, 2020, 12, 27726-27736.	4.0	40
7	A continuous roll-pulling approach for the fabrication of magnetic artificial cilia with microfluidic pumping capability. Lab on A Chip, 2016, 16, 2277-2286.	3.1	39
8	Removal of Microparticles by Ciliated Surfacesâ€"an Experimental Study. Advanced Functional Materials, 2019, 29, 1806434.	7.8	39
9	Controlled Multidirectional Particle Transportation by Magnetic Artificial Cilia. ACS Nano, 2020, 14, 10313-10323.	7.3	39
10	Metachronal actuation of microscopic magnetic artificial cilia generates strong microfluidic pumping. Lab on A Chip, 2020, 20, 3569-3581.	3.1	37
11	Metachronal Î¼-Cilia for On-Chip Integrated Pumps and Climbing Robots. ACS Applied Materials & Interfaces, 2021, 13, 20845-20857.	4.0	34
12	Microscopic artificial cilia â€“ a review. Lab on A Chip, 2022, 22, 1650-1679.	3.1	29
13	Climbing droplets driven by mechanowetting on transverse waves. Science Advances, 2019, 5, eaaw0914.	4.7	26
14	Enhanced Microfluidic Sample Homogeneity and Improved Antibody-Based Assay Kinetics Due to Magnetic Mixing. ACS Sensors, 2021, 6, 2553-2562.	4.0	14
15	Enhancement of microalgae growth using magnetic artificial cilia. Biotechnology and Bioengineering, 2021, 118, 2472-2481.	1.7	7
16	Magnetic bead mixing in a microfluidic chamber induced by an in-plane rotating magnetic field. Microfluidics and Nanofluidics, 2022, 26, 1.	1.0	5
17	Selfâ€Cleaning Surfaces Realized by Biologically Sized Magnetic Artificial Cilia. Advanced Materials Interfaces, 2022, 9, 2102016.	1.9	5