Fang Yang

List of Publications by Year
in descending order

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27 papers	1,004 citations	687220 13 h-index	526166 27 g-index
27 all docs	27 docs citations	27 times ranked	1522 citing authors

#	Article	IF	Citations
1	Measurement of velocity fluctuations in microfluidics with simultaneously ultrahigh spatial and temporal resolution. Experiments in Fluids, 2016, 57, 1.	1.1	162
2	Exosome separation using microfluidic systems: sizeâ€based, immunoaffinityâ€based and dynamic methodologies. Biotechnology Journal, 2017, 12, 1600699.	1.8	158
3	Separation of tumor cells with dielectrophoresis-based microfluidic chip. Biomicrofluidics, 2013, 7, 11803.	1.2	154
4	Dielectrophoretic separation of colorectal cancer cells. Biomicrofluidics, 2010, 4, 13204.	1.2	91
5	There can be turbulence in microfluidics at low Reynolds number. Lab on A Chip, 2014, 14, 1452-1458.	3.1	85
6	Cancer Liquid Biopsy Using Integrated Microfluidic Exosome Analysis Platforms. Biotechnology Journal, 2020, 15, e1900225.	1.8	61
7	High fidelity computational simulation of thrombus formation in Thoratec HeartMate II continuous flow ventricular assist device. Scientific Reports, 2016, 6, 38025.	1.6	45
8	On micro-electrokinetic scalar turbulence in microfluidics at a low Reynolds number. Lab on A Chip, 2016, 16, 1030-1038.	3.1	30
9	Microelectrokinetic turbulence in microfluidics at low Reynolds number. Physical Review E, 2016, 93, 013106.	0.8	23
10	Extraction of Cell-Free Whole Blood Plasma Using a Dielectrophoresis-Based Microfluidic Device. Biotechnology Journal, 2019, 14, 1800181.	1.8	23
11	The Role of Exosomes in Inflammatory Diseases and Tumor-Related Inflammation. Cells, 2022, 11, 1005.	1.8	19
12	Measuring flow velocity distribution in microchannels using molecular tracers. Microfluidics and Nanofluidics, 2009, 7, 509-517.	1.0	18
13	Dielectrophoretic Separation of Prostate Cancer Cells. Technology in Cancer Research and Treatment, 2013, 12, 61-70.	0.8	17
14	AC Electrokinetic Fast Mixing in Non-Parallel Microchannels. Chemical Engineering Communications, 2017, 204, 190-197.	1.5	15
15	Study of Oscillating Electroosmotic Flows with High Temporal and Spatial Resolution. Analytical Chemistry, 2018, 90, 1652-1659.	3.2	13
16	Cascade and staggered dielectrophoretic cell sorters. Electrophoresis, 2011, 32, 2377-2384.	1.3	12
17	Low-voltage electrical cell lysis using a microfluidic device. Biomedical Microdevices, 2019, 21, 22.	1.4	11
18	Intrabody against prolyl hydroxylase 2 promotes angiogenesis by stabilizing hypoxia-inducible factor-1Î±. Scientific Reports, 2019, 9, 11861.	1.6	10

#	Article	IF	Citations
19	Intrabody against prolyl hydroxylase 2 ameliorates acetaminophen-induced acute liver injury in mice via concomitant promotion of angiogenesis and redox homeostasis. Biomedicine and Pharmacotherapy, 2020, 123, 109783.	2.5	10
20	Separation of Macrophages Using a Dielectrophoresis-Based Microfluidic Device. Biochip Journal, 2020, 14, 185-194.	2.5	10
21	Corrections on LIFPA velocity measurements in microchannel with moderate velocity fluctuations. Experiments in Fluids, 2015, 56, 1.	1.1	7
22	Transition from periodic to chaotic <scp>AC</scp> electroosmotic flows near electric double layer. AICHE Journal, 2021, 67, e17148.	1.8	7
23	A Cyclin D1â€Specific Singleâ€Chain Variable Fragment Antibody that Inhibits HepG2 Cell Growth and Proliferation. Biotechnology Journal, 2020, 15, 1900430.	1.8	6
24	Biochemical Reaction Acceleration by Electrokinetic Mixing in a Microfluidic Chip. Journal of Physical Chemistry Letters, 2022, 13, 5633-5637.	2.1	6
25	Electrokinetic mixing of two fluids with equivalent conductivity. Chinese Journal of Chemical Engineering, 2022, 42, 256-260.	1.7	5
26	Rapid AC Electrokinetic Micromixer with Electrically Conductive Sidewalls. Micromachines, 2022, 13, 34.	1.4	4
27	Expression, purification and characterisation of a human anti-CDK4 single-chain variable fragment antibody. BMC Biotechnology, 2021, 21, 71.	1.7	2