Yigang Shen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7020317/publications.pdf

Version: 2024-02-01

27	309	1163117 8	888059 17
papers	citations	h-index	g-index

27	27	27	295
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent advances in microfluidic cell sorting systems. Sensors and Actuators B: Chemical, 2019, 282, 268-281.	7.8	124
2	Microscopic impedance cytometry for quantifying single cell shape. Biosensors and Bioelectronics, 2021, 193, 113521.	10.1	27
3	Recent advances in microfluidic devices for single-cell cultivation: methods and applications. Lab on A Chip, 2022, 22, 1438-1468.	6.0	20
4	Fabrication of ultra-thin glass sheet by weight-controlled load-assisted precise thermal stretching. Sensors and Actuators A: Physical, 2021, 321, 112604.	4.1	18
5	Insect Muscular Tissue-Powered Swimming Robot. Actuators, 2019, 8, 30.	2.3	16
6	A chemical micropump actuated by self-oscillating polymer gel. Sensors and Actuators B: Chemical, 2021, 337, 129769.	7.8	15
7	Area cooling enables thermal positioning and manipulation of single cells. Lab on A Chip, 2020, 20, 3733-3743.	6.0	13
8	Dual-frequency impedance assays for intracellular components in microalgal cells. Lab on A Chip, 2022, 22, 550-559.	6.0	13
9	Catalytic confinement effects in nanochannels: from biological synthesis to chemical engineering. Nanoscale Advances, 2022, 4, 1517-1526.	4.6	10
10	Simple Isolation of Single Cell: Thin Glass Microfluidic Device for Observation of Isolated Single Euglena gracilis Cells. Analytical Sciences, 2019, 35, 577-583.	1.6	8
11	Automatic and Selective Single Cell Manipulation in a Pressure-Driven Microfluidic Lab-On-Chip Device. Micromachines, 2017, 8, 172.	2.9	7
12	Thin glass micro-dome structure based microlens fabricated by accurate thermal expansion of microcavities. Applied Physics Letters, 2019, 115, .	3.3	7
13	Flow analysis on microcasting with degassed polydimethylsiloxane micro-channels for cell patterning with cross-linked albumin. PLoS ONE, 2020, 15, e0232518.	2.5	6
14	Accurate rotation of ultra-thin glass chamber for single-cell multidirectional observation. Applied Physics Express, 2020, 13, 026502.	2.4	6
15	Focusing of Particles in a Microchannel with Laser Engraved Groove Arrays. Biosensors, 2021, 11, 263.	4.7	6
16	A Microfluidic Platform Based on Robust Gas and Liquid Exchange for Long-term Culturing of Explanted Tissues. Analytical Sciences, 2019, 35, 1141-1147.	1.6	5
17	Continuous 3D particles manipulation based on cooling thermal convection. Sensors and Actuators B: Chemical, 2022, 358, 131511.	7.8	4
18	FPGA-Assisted Nonparallel Impedance Cytometry as Location Sensor of Single Particle. , 2021, , .		3

#	Article	IF	Citations
19	On-chip integration of ultra-thin glass cantilever for physical property measurement activated by femtosecond laser impulse. , 2020, , .		1
20	A Contactless Switch for Cell Sorting by Area cooling**Resrach supported by Foundation.. , 2021, , .		0
21	Fabrication of Ultra-Thin Glass Sheet for On-Chip Glass Pressure Sensor. , 2021, , .		0
22	Single-Cell Cultivation Utilizing Microfluidic Systems. , 2022, , 287-310.		0
23	Single-Cell Cultivation Utilizing Microfluidic Systems. , 2020, , 1-24.		0
24	Title is missing!. , 2020, 15, e0232518.		0
25	Title is missing!. , 2020, 15, e0232518.		0
26	Title is missing!. , 2020, 15, e0232518.		0
27	Title is missing!. , 2020, 15, e0232518.		0