

Yigang Shen

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

309
citations

1163117

8
h-index

888059

17
g-index

27
all docs

27
docs citations

27
times ranked

295
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-Cell Cultivation Utilizing Microfluidic Systems. , 2022, , 287-310.		0
2	Dual-frequency impedance assays for intracellular components in microalgal cells. Lab on A Chip, 2022, 22, 550-559.	6.0	13
3	Continuous 3D particles manipulation based on cooling thermal convection. Sensors and Actuators B: Chemical, 2022, 358, 131511.	7.8	4
4	Catalytic confinement effects in nanochannels: from biological synthesis to chemical engineering. Nanoscale Advances, 2022, 4, 1517-1526.	4.6	10
5	Recent advances in microfluidic devices for single-cell cultivation: methods and applications. Lab on A Chip, 2022, 22, 1438-1468.	6.0	20
6	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
7	A Contactless Switch for Cell Sorting by Area cooling**Resrach supported by Foundation.. , 2021, , .		0
8	FPGA-Assisted Nonparallel Impedance Cytometry as Location Sensor of Single Particle. , 2021, , .		3
9	A chemical micropump actuated by self-oscillating polymer gel. Sensors and Actuators B: Chemical, 2021, 337, 129769.	7.8	15
10	Fabrication of Ultra-Thin Glass Sheet for On-Chip Glass Pressure Sensor. , 2021, , .		0
11	Focusing of Particles in a Microchannel with Laser Engraved Groove Arrays. Biosensors, 2021, 11, 263.	4.7	6
12	Microscopic impedance cytometry for quantifying single cell shape. Biosensors and Bioelectronics, 2021, 193, 113521.	10.1	27
13	Area cooling enables thermal positioning and manipulation of single cells. Lab on A Chip, 2020, 20, 3733-3743.	6.0	13
14	Flow analysis on microcasting with degassed polydimethylsiloxane micro-channels for cell patterning with cross-linked albumin. PLoS ONE, 2020, 15, e0232518.	2.5	6
15	Accurate rotation of ultra-thin glass chamber for single-cell multidirectional observation. Applied Physics Express, 2020, 13, 026502.	2.4	6
16	Single-Cell Cultivation Utilizing Microfluidic Systems. , 2020, , 1-24.		0
17	On-chip integration of ultra-thin glass cantilever for physical property measurement activated by femtosecond laser impulse. , 2020, , .		1
18	Title is missing!. , 2020, 15, e0232518.		0

#	ARTICLE	IF	CITATIONS
19	Title is missing!. , 2020, 15, e0232518.		0
20	Title is missing!. , 2020, 15, e0232518.		0
21	Title is missing!. , 2020, 15, e0232518.		0
22	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
23	Simple Isolation of Single Cell: Thin Glass Microfluidic Device for Observation of Isolated Single <i>Euglena gracilis</i> Cells. Analytical Sciences, 2019, 35, 577-583.	1.6	8
24	Insect Muscular Tissue-Powered Swimming Robot. Actuators, 2019, 8, 30.	2.3	16
25	Thin glass micro-dome structure based microlens fabricated by accurate thermal expansion of microcavities. Applied Physics Letters, 2019, 115, .	3.3	7
26	Recent advances in microfluidic cell sorting systems. Sensors and Actuators B: Chemical, 2019, 282, 268-281.	7.8	124
27	Automatic and Selective Single Cell Manipulation in a Pressure-Driven Microfluidic Lab-On-Chip Device. Micromachines, 2017, 8, 172.	2.9	7