Nobutoshi Ota

List of Publications by Year
in descending order

15	274	1039406 9	996533 15
papers	citations	h-index	g-index

15	15	15	268
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent advances in microfluidic devices for single-cell cultivation: methods and applications. Lab on A Chip, 2022, 22, 1438-1468.	3.1	20
2	Bio-actuated microvalve in microfluidics using sensing and actuating function of Mimosa pudica. Scientific Reports, 2022, 12, .	1.6	4
3	Nanofluidic Devices and Applications for Biological Analyses. Analytical Chemistry, 2021, 93, 332-349.	3.2	35
4	A simple and reversible glassâ€“glass bonding method to construct a microfluidic device and its application for cell recovery. Lab on A Chip, 2021, 21, 2244-2254.	3.1	25
5	A sub-population of Dictyostelium discoideum cells shows extremely high sensitivity to cAMP for directional migration. Biochemical and Biophysical Research Communications, 2021, 554, 131-137.	1.0	6
6	Effects of Flowâ€Induced Microfluidic Chip Wall Deformation on Imaging Flow Cytometry. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2020, 97, 909-920.	1.1	20
7	Horizontal connection method for glass microfluidic devices. Micro and Nano Letters, 2020, 15, 333-338.	0.6	2
8	Isolating Single Euglena gracilis Cells by Glass Microfluidics for Raman Analysis of Paramylon Biogenesis. Analytical Chemistry, 2019, 91, 9631-9639.	3.2	27
9	Ultrasensitive Single Cell Metabolomics by Capillary Electrophoresisâ€“Mass Spectrometry with a Thin-Walled Tapered Emitter and Large-Volume Dual Sample Preconcentration. Analytical Chemistry, 2019, 91, 10564-10572.	3.2	78
10	A Microfluidic Platform Based on Robust Gas and Liquid Exchange for Long-term Culturing of Explanted Tissues. Analytical Sciences, 2019, 35, 1141-1147.	0.8	5
11	Simple Isolation of Single Cell: Thin Glass Microfluidic Device for Observation of Isolated Single Euglena gracilis Cells. Analytical Sciences, 2019, 35, 577-583.	0.8	8
12	Enhancement in acoustic focusing of micro and nanoparticles by thinning a microfluidic device. Royal Society Open Science, 2019, 6, 181776.	1.1	16
13	Property Investigation of Replaceable PDMS Membrane as an Actuator in Microfluidic Device. Actuators, 2018, 7, 68.	1.2	9
14	A method of packaging molecule/cell-patterns in an open space into a glass microfluidic channel by combining pressure-based low/room temperature bonding and fluorosilane patterning. Chemical Communications, 2017, 53, 11193-11196.	2.2	15
15	Micro/nanoparticle separation via curved nano-gap device with enhanced size resolution. Journal of Chromatography A, 2016, 1455, 172-177.	1.8	4