

# Nobutoshi Ota

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/174671/publications.pdf>

Version: 2024-02-01

15  
papers

274  
citations

1039406

9  
h-index

996533

15  
g-index

15  
all docs

15  
docs citations

15  
times ranked

268  
citing authors

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