

Sadao Ota

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

777
citations

933447

10
h-index

713466

21
g-index

27
all docs

27
docs citations

27
times ranked

1444
citing authors

#	ARTICLE	IF	CITATIONS
1	Explosives detection in a lasing plasmon nanocavity. <i>Nature Nanotechnology</i> , 2014, 9, 600-604.	31.5	188
2	Ghost cytometry. <i>Science</i> , 2018, 360, 1246-1251.	12.6	165
3	Microfluidic Formation of Monodisperse, Cell-Sized, and Unilamellar Vesicles. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6533-6537.	13.8	154
4	Axial Plane Optical Microscopy. <i>Scientific Reports</i> , 2014, 4, 7253.	3.3	49
5	Microfluidic lipid membrane formation on microchamber arrays. <i>Lab on A Chip</i> , 2011, 11, 2485.	6.0	46
6	Subcellular Resolution Mapping of Endogenous Cytokine Secretion by Nano-Plasmonic-Resonator Sensor Array. <i>Nano Letters</i> , 2011, 11, 3431-3434.	9.1	42
7	Lipid Bilayer-Integrated Optoelectronic Tweezers for Nanoparticle Manipulations. <i>Nano Letters</i> , 2013, 13, 2766-2770.	9.1	26
8	In silico-labeled ghost cytometry. <i>ELife</i> , 2021, 10, .	6.0	18
9	Generation of Femtoliter Reactor Arrays within a Microfluidic Channel for Biochemical Analysis. <i>Analytical Chemistry</i> , 2012, 84, 6346-6350.	6.5	16
10	Implementing machine learning methods for imaging flow cytometry. <i>Microscopy (Oxford, England)</i> , 2020, 69, 61-68.	1.5	16
11	Plasmonic Brownian ratchet. <i>Physical Review B</i> , 2013, 88, .	3.2	13
12	High-Throughput Parallel Optofluidic 3D Imaging Flow Cytometry. <i>Small Science</i> , 2022, 2, .	9.9	10
13	Brownian motion of tethered nanowires. <i>Physical Review E</i> , 2014, 89, 053010.	2.1	8
14	Use of Ghost Cytometry to Differentiate Cells with Similar Gross Morphologic Characteristics. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2020, 97, 415-422.	1.5	6
15	Droplet Array-Based Platform for Parallel Optical Analysis of Dynamic Extracellular Vesicle Secretion from Single Cells. <i>Analytical Chemistry</i> , 2022, 94, 11209-11215.	6.5	5
16	High-speed 3D imaging flow cytometry with optofluidic spatial transformation. <i>Biomedical Optics Express</i> , 2022, 13, 3647.	2.9	4
17	Microfluidic formation of lipid bilayer array for membrane transport analysis. <i>Proceedings of the IEEE International Conference on Micro Electro Mechanical Systems (MEMS)</i> , 2008, .	0.0	3
18	Response to Comment on "Ghost cytometry". <i>Science</i> , 2019, 364, .	12.6	3

#	ARTICLE	IF	CITATIONS
19	Intracellular delivery of top-down fabricated tunable nano-plasmonic resonators. <i>Nanoscale</i> , 2013, 5, 10179.	5.6	1
20	Active Surface Plasmon Sensor. , 2014, , .		1
21	High-throughput Parallel Optofluidic 3D Imaging Flow Cytometry. <i>Small Science</i> , 2022, 2, .	9.9	1
22	Near-Interface Brownian Motion of Anisotropic Particles. <i>Biophysical Journal</i> , 2013, 104, 672a.	0.5	0
23	Single-emitter quantum electrodynamics in a one-dimensional dielectric continuum far beyond the diffraction limit. , 2013, , .		0
24	Compressive Imaging Flow Cytometry and Image-Free Image Classification. , 2019, , .		0