

Akihiro Isozaki

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,570
citations

566801

15
h-index

476904

29
g-index

37
all docs

37
docs citations

37
times ranked

2165
citing authors

#	ARTICLE	IF	CITATIONS
1	Intelligent Image-Activated Cell Sorting. <i>Cell</i> , 2018, 175, 266-276.e13.	13.5	395
2	Enantiomeric switching of chiral metamaterial for terahertz polarization modulation employing vertically deformable MEMS spirals. <i>Nature Communications</i> , 2015, 6, 8422.	5.8	224
3	Label-free chemical imaging flow cytometry by high-speed multicolor stimulated Raman scattering. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 15842-15848.	3.3	130
4	Raman image-activated cell sorting. <i>Nature Communications</i> , 2020, 11, 3452.	5.8	116
5	High-throughput imaging flow cytometry by optofluidic time-stretch microscopy. <i>Nature Protocols</i> , 2018, 13, 1603-1631.	5.5	112
6	Intelligent image-activated cell sorting 2.0. <i>Lab on A Chip</i> , 2020, 20, 2263-2273.	3.1	93
7	AI on a chip. <i>Lab on A Chip</i> , 2020, 20, 3074-3090.	3.1	80
8	A practical guide to intelligent image-activated cell sorting. <i>Nature Protocols</i> , 2019, 14, 2370-2415.	5.5	71
9	Spiral metamaterial for active tuning of optical activity. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	61
10	Sequentially addressable dielectrophoretic array for high-throughput sorting of large-volume biological compartments. <i>Science Advances</i> , 2020, 6, eaba6712.	4.7	56
11	Optofluidic time-stretch quantitative phase microscopy. <i>Methods</i> , 2018, 136, 116-125.	1.9	35
12	On-chip light-sheet fluorescence imaging flow cytometry at a high flow speed of 1 m/s. <i>Biomedical Optics Express</i> , 2018, 9, 3424.	1.5	35
13	All-dielectric chiral-field-enhanced Raman optical activity. <i>Nature Communications</i> , 2021, 12, 3062.	5.8	28
14	Deep imaging flow cytometry. <i>Lab on A Chip</i> , 2022, 22, 876-889.	3.1	22
15	Out-of-plane actuation with a sub-micron initial gap for reconfigurable terahertz micro-electro-mechanical systems metamaterials. <i>Optics Express</i> , 2015, 23, 26243.	1.7	19
16	Intelligent Platelet Morphometry. <i>Trends in Biotechnology</i> , 2021, 39, 978-989.	4.9	16
17	Parallel Helmholtz resonators for a planar acoustic notch filter. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	11
18	High-Throughput Raman-Activated Cell Sorting in the Fingerprint Region. <i>Advanced Materials Technologies</i> , 2022, 7, .	3.0	10

#	ARTICLE	IF	CITATIONS
19	Are droplets really suitable for single-cell analysis? A case study on yeast in droplets. <i>Lab on A Chip</i> , 2021, 21, 3793-3803.	3.1	9
20	Best practices for reporting throughput in biomedical research. <i>Nature Methods</i> , 2022, 19, 633-634.	9.0	9
21	Morphological Indicator for Directed Evolution of <i>Euglena gracilis</i> with a High Heavy Metal Removal Efficiency. <i>Environmental Science & Technology</i> , 2021, 55, 7880-7889.	4.6	7
22	Dual sequentially addressable dielectrophoretic array for high-throughput, scalable, multiplexed droplet sorting. <i>Microfluidics and Nanofluidics</i> , 2021, 25, 1.	1.0	6
23	High-throughput sorting of nanoliter droplets enabled by a sequentially addressable dielectrophoretic array. <i>Electrophoresis</i> , 2022, 43, 477-486.	1.3	5
24	Batch fabrication of a double-layer metamaterial resonator using scalloping structures. <i>Journal of Micromechanics and Microengineering</i> , 2013, 23, 085006.	1.5	4
25	Intelligent image-activated sorting of <i>Chlamydomonas reinhardtii</i> by mitochondrial localization. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2022, 101, 1027-1034.	1.1	4
26	Measurement method for light transmittance of layered metamaterials. <i>Optics Letters</i> , 2013, 38, 1811.	1.7	3
27	A smart, intermittent driven particle sensor with an airflow change trigger using a lead zirconate titanate (PZT) cantilever. <i>Measurement Science and Technology</i> , 2014, 25, 025103.	1.4	2
28	Tunable metamaterials by controlling sub-micron gap for the THz range. , 2014, , .		2
29	Intelligent sorting-timing prediction for image-activated cell sorting. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2023, 103, 88-97.	1.1	2
30	Double-layer wire grid polarizer for improving extinction ratio. , 2013, , .		1
31	Moisture sensor based on heat transfer possessing insusceptibility to coating materials on skin. <i>Sensors and Actuators A: Physical</i> , 2015, 235, 265-272.	2.0	1
32	Intelligent Image-Activated Cell Sorting and Beyond. , 2019, , .		1
33	AI ON A CHIP FOR IDENTIFYING MICROALGAL CELLS WITH HIGH HEAVY METAL REMOVAL EFFICIENCY. , 2021, , .		0
34	Chiral Switchable THz Metamaterial with MEMS Reconfigurable Spirals. , 2016, , .		0
35	Analysis of THz Response of Frame Structures for Achieving Thin-film-type Metamaterials. <i>IEEJ Transactions on Sensors and Micromachines</i> , 2018, 138, 281-286.	0.0	0