

Hirofumi Kobayashi

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,099
citations

567144

15
h-index

794469

19
g-index

28
all docs

28
docs citations

28
times ranked

1271
citing authors

#	ARTICLE	IF	CITATIONS
1	OpenCell: Endogenous tagging for the cartography of human cellular organization. <i>Science</i> , 2022, 375, eabi6983.	6.0	174
2	DaXiâ€™high-resolution, large imaging volume and multi-view single-objective light-sheet microscopy. <i>Nature Methods</i> , 2022, 19, 461-469.	9.0	61
3	Effects of Flowâ€™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
4	Raman image-activated cell sorting. <i>Nature Communications</i> , 2020, 11, 3452.	5.8	116
5	Intelligent frequency-shifted optofluidic time-stretch quantitative phase imaging. <i>Optics Express</i> , 2020, 28, 519.	1.7	21
6	Intelligent classification of platelet aggregates by agonist type. <i>ELife</i> , 2020, 9, .	2.8	49
7	Intelligent whole-blood imaging flow cytometry for simple, rapid, and cost-effective drug-susceptibility testing of leukemia. <i>Lab on A Chip</i> , 2019, 19, 2688-2698.	3.1	48
8	Intelligent Image Deâ€™blurring for Imaging Flow Cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2019, 95, 549-554.	1.1	12
9	Optofluidic time-stretch quantitative phase microscopy. <i>Methods</i> , 2018, 136, 116-125.	1.9	35
10	High-throughput imaging flow cytometry by optofluidic time-stretch microscopy. <i>Nature Protocols</i> , 2018, 13, 1603-1631.	5.5	112
11	Ultrafast confocal fluorescence microscopy beyond the fluorescence lifetime limit. <i>Optica</i> , 2018, 5, 117.	4.8	93
12	High-throughput label-free screening of euglena gracilis with optofluidic time-stretch quantitative phase microscopy. , 2017, , .		1
13	Highâ€™throughput, labelâ€™free, singleâ€™cell, microalgal lipid screening by machineâ€™learningâ€™equipped optofluidic timeâ€™stretch quantitative phase microscopy. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2017, 91, 494-502.	1.1	60
14	Label-free detection of aggregated platelets in blood by machine-learning-aided optofluidic time-stretch microscopy. <i>Lab on A Chip</i> , 2017, 17, 2426-2434.	3.1	65
15	Label-free detection of cellular drug responses by high-throughput bright-field imaging and machine learning. <i>Scientific Reports</i> , 2017, 7, 12454.	1.6	78
16	NFIA co-localizes with PPAR ^{Î³} and transcriptionally controls the brown fat gene program. <i>Nature Cell Biology</i> , 2017, 19, 1081-1092.	4.6	73
17	GHz Optical Time-Stretch Microscopy by Compressive Sensing. <i>IEEE Photonics Journal</i> , 2017, 9, 1-8.	1.0	12
18	High-throughput, label-free, multivariate cell analysis with optofluidic time-stretch microscopy. , 2017, , .		2

#	ARTICLE	IF	CITATIONS
19	High-throughput label-free image cytometry and image-based classification of live <i>Euglena gracilis</i> . <i>Biomedical Optics Express</i> , 2016, 7, 2703.	1.5	34
20	Enhanced speed in fluorescence imaging using beat frequency multiplexing. <i>Proceedings of SPIE</i> , 2016, , .	0.8	1
21	Ultrafast Confocal Fluorescence Microscopy by Frequency-Division-Multiplexed Multi-Line Focusing. , 2016, , .		0
22	A replication-incompetent influenza virus bearing the HN glycoprotein of human parainfluenza virus as a bivalent vaccine. <i>Vaccine</i> , 2013, 31, 6239-6246.	1.7	12
23	High-Throughput Image Cytometry for Rare Cell Detection. , 2013, , .		0