

Hirofumi Kobayashi

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,099
citations

567281
15
h-index

794594
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. Science, 2022, 375, eabi6983.	12.6	174
2	DaXiâ€”high-resolution, large imaging volume and multi-view single-objective light-sheet microscopy. Nature Methods, 2022, 19, 461-469.	19.0	61
3	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.	1.5	20
4	Raman image-activated cell sorting. Nature Communications, 2020, 11, 3452.	12.8	116
5	Intelligent frequency-shifted optofluidic time-stretch quantitative phase imaging. Optics Express, 2020, 28, 519.	3.4	21
6	Intelligent classification of platelet aggregates by agonist type. ELife, 2020, 9, .	6.0	49
7	Intelligent whole-blood imaging flow cytometry for simple, rapid, and cost-effective drug-susceptibility testing of leukemia. Lab on A Chip, 2019, 19, 2688-2698.	6.0	48
8	Intelligent Image Deâ€”blurring for Imaging Flow Cytometry. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2019, 95, 549-554.	1.5	12
9	Optofluidic time-stretch quantitative phase microscopy. Methods, 2018, 136, 116-125.	3.8	35
10	High-throughput imaging flow cytometry by optofluidic time-stretch microscopy. Nature Protocols, 2018, 13, 1603-1631.	12.0	112
11	Ultrafast confocal fluorescence microscopy beyond the fluorescence lifetime limit. Optica, 2018, 5, 117.	9.3	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. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2017, 91, 494-502.	1.5	60
14	Label-free detection of aggregated platelets in blood by machine-learning-aided optofluidic time-stretch microscopy. Lab on A Chip, 2017, 17, 2426-2434.	6.0	65
15	Label-free detection of cellular drug responses by high-throughput bright-field imaging and machine learning. Scientific Reports, 2017, 7, 12454.	3.3	78
16	NFIA co-localizes with PPARÎ³ and transcriptionally controls the brown fat gene program. Nature Cell Biology, 2017, 19, 1081-1092.	10.3	73
17	GHz Optical Time-Stretch Microscopy by Compressive Sensing. IEEE Photonics Journal, 2017, 9, 1-8.	2.0	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.	2.9	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.	3.8	12
23	High-Throughput Image Cytometry for Rare Cell Detection. , 2013, , .		0