Hirofumi Kobayashi

List of Publications by Year
in descending order

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. Science, 2022, 375, eabi6983.	6.0	174
2	Raman image-activated cell sorting. Nature Communications, 2020, 11, 3452.	5.8	116
3	High-throughput imaging flow cytometry by optofluidic time-stretch microscopy. Nature Protocols, 2018, 13, 1603-1631.	5.5	112
4	Ultrafast confocal fluorescence microscopy beyond the fluorescence lifetime limit. Optica, 2018, 5, 117.	4.8	93
5	Label-free detection of cellular drug responses by high-throughput bright-field imaging and machine learning. Scientific Reports, 2017, 7, 12454.	1.6	78
6	NFIA co-localizes with PPARÎ³ and transcriptionally controls the brown fat gene program. Nature Cell Biology, 2017, 19, 1081-1092.	4.6	73
7	Label-free detection of aggregated platelets in blood by machine-learning-aided optofluidic time-stretch microscopy. Lab on A Chip, 2017, 17, 2426-2434.	3.1	65
8	DaXiâ€"high-resolution, large imaging volume and multi-view single-objective light-sheet microscopy. Nature Methods, 2022, 19, 461-469.	9.0	61
9	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.	1.1	60
10	Intelligent classification of platelet aggregates by agonist type. ELife, 2020, 9, .	2.8	49
11	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.	3.1	48
12	Optofluidic time-stretch quantitative phase microscopy. Methods, 2018, 136, 116-125.	1.9	35
13	High-throughput label-free image cytometry and image-based classification of live Euglena gracilis. Biomedical Optics Express, 2016, 7, 2703.	1.5	34
14	Intelligent frequency-shifted optofluidic time-stretch quantitative phase imaging. Optics Express, 2020, 28, 519.	1.7	21
15	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.	1.1	20
16	A replication-incompetent influenza virus bearing the HN glycoprotein of human parainfluenza virus as a bivalent vaccine. Vaccine, 2013, 31, 6239-6246.	1.7	12
17	GHz Optical Time-Stretch Microscopy by Compressive Sensing. IEEE Photonics Journal, 2017, 9, 1-8.	1.0	12
18	Intelligent Image Deâ€Blurring for Imaging Flow Cytometry. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2019, 95, 549-554.	1.1	12

#	Article	IF	Citations
19	High-throughput, label-free, multivariate cell analysis with optofluidic time-stretch microscopy. , 2017, , .		2
20	Enhanced speed in fluorescence imaging using beat frequency multiplexing. Proceedings of SPIE, 2016, , .	0.8	1
21	High-throughput label-free screening of euglena gracilis with optofluidic time-stretch quantitative phase microscopy. , 2017, , .		1
22	High-Throughput Image Cytometry for Rare Cell Detection. , 2013, , .		0
23	Ultrafast Confocal Fluorescence Microscopy by Frequency-Division-Multiplexed Multi-Line Focusing. , 2016, , .		0