Yuichi Wakamoto

List of Publications by Year
in descending order

24 papers	1,413 citations	777949 13 h-index	993246 17 g-index
32 all docs	32 docs citations	32 times ranked	2034 citing authors

#	Article	IF	Citations
1	History-dependent physiological adaptation to lethal genetic modification under antibiotic exposure. ELife, 2022, 11, .	2.8	4
2	Intrinsic growth heterogeneity of mouse leukemia cells underlies differential susceptibility to a growth-inhibiting anticancer drug. PLoS ONE, 2021, 16, e0236534.	1.1	9
3	Scale invariance of cell size fluctuations in starving bacteria. Communications Physics, 2021, 4, .	2.0	6
4	Linear Regression Links Transcriptomic Data and Cellular Raman Spectra. Cell Systems, 2018, 7, 104-117.e4.	2.9	34
5	Aging, mortality, and the fast growth trade-off of Schizosaccharomyces pombe. PLoS Biology, 2017, 15, e2001109.	2.6	41
6	Inferring fitness landscapes and selection on phenotypic states from single-cell genealogical data. PLoS Genetics, 2017, 13, e1006653.	1.5	42
7	OB-I-4Techniques for Measuring and Analyzing Single-Cell Histories and Lineage Trees. Microscopy (Oxford, England), 2016, 65, i9.2-i9.	0.7	0
8	The microfluidic lighthouse: an omnidirectional gradient generator. Lab on A Chip, 2016, 16, 4382-4394.	3.1	29
9	Bacterial Autoimmunity Due to a Restriction-Modification System. Current Biology, 2016, 26, 404-409.	1.8	92
10	Noise-driven growth rate gain in clonal cellular populations. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 3251-3256.	3.3	144
11	Dynamic Persistence of Antibiotic-Stressed Mycobacteria. Science, 2013, 339, 91-95.	6.0	495
12	OPTIMAL LINEAGE PRINCIPLE FOR AGE-STRUCTURED POPULATIONS. Evolution; International Journal of Organic Evolution, 2012, 66, 115-134.	1.1	40
13	2J1524 The relations between cell growth and fluctuations in gene expression(Measurements,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 2011, 51, S91-S92.	0.0	0
14	3P230 Vesicle dynamics observation using flow device(Biol & Artifi memb.: Dynamics,The 48th) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.0	0
15	2P153 Different fates within clonal cells of diatom during sexual induction(The 48th Annual Meeting) Tj ETQq1 1 0.784314 rgBT /Overlc	0.0	0
16	2SA1045 Microbial persistence as spontaneous phenotypic adaptation through stochastic drift(2SA) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.0	0
17	1P-190 Constructing highly self-reproducible giant vesicles and measurement of the morphological dynamics in microchambers(Biol & Artifi memb.:Dynamics, The 47th Annual Meeting of the Biophysical) Tj ETQq1 1 0.784314 rgBT /Ove	0.0	0
18	1P-242 Phenotypic plasticity of the cell morphology of the centric diatom (Cyclotella meneghiniana) by the on-chip single-cell cultivation system(Ecology & Environment, The 47th Annual Meeting of the) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.0	0

#	Article	IF	Citations
19	Quantitative evaluation of cell-to-cell communication effects in cell group class using on-chip individual-cell-based cultivation system. Biochemical and Biophysical Research Communications, 2006, 349, 1130-1138.	1.0	8
20	Single-cell growth and division dynamics showing epigenetic correlations. Analyst, The, 2005, 130, 311.	1.7	103
21	On-chip single-cell microcultivation assay for monitoring environmental effects on isolated cells. Biochemical and Biophysical Research Communications, 2003, 305, 534-540.	1.0	75
22	On-chip culture system for observation of isolated individual cells. Lab on A Chip, 2001, 1, 50.	3.1	183
23	Non-genetic variability of division cycle and growth of isolated individual cells in on-chip culture system. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2001, 77, 145-150.	1.6	26
24	Analysis of single-cell differences by use of an on-chip microculture system and optical trapping. Fresenius' Journal of Analytical Chemistry, 2001, 371, 276-281.	1.5	76