

Yuichi Wakamoto

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,413
citations

687363

13
h-index

888059

17
g-index

32
all docs

32
docs citations

32
times ranked

1802
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic Persistence of Antibiotic-Stressed Mycobacteria. <i>Science</i> , 2013, 339, 91-95.	12.6	495
2	On-chip culture system for observation of isolated individual cells. <i>Lab on A Chip</i> , 2001, 1, 50.	6.0	183
3	Noise-driven growth rate gain in clonal cellular populations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3251-3256.	7.1	144
4	Single-cell growth and division dynamics showing epigenetic correlations. <i>Analyst, The</i> , 2005, 130, 311.	3.5	103
5	Bacterial Autoimmunity Due to a Restriction-Modification System. <i>Current Biology</i> , 2016, 26, 404-409.	3.9	92
6	Analysis of single-cell differences by use of an on-chip microculture system and optical trapping. <i>Fresenius' Journal of Analytical Chemistry</i> , 2001, 371, 276-281.	1.5	76
7	On-chip single-cell microcultivation assay for monitoring environmental effects on isolated cells. <i>Biochemical and Biophysical Research Communications</i> , 2003, 305, 534-540.	2.1	75
8	Inferring fitness landscapes and selection on phenotypic states from single-cell genealogical data. <i>PLoS Genetics</i> , 2017, 13, e1006653.	3.5	42
9	Aging, mortality, and the fast growth trade-off of <i>Schizosaccharomyces pombe</i> . <i>PLoS Biology</i> , 2017, 15, e2001109.	5.6	41
10	OPTIMAL LINEAGE PRINCIPLE FOR AGE-STRUCTURED POPULATIONS. <i>Evolution; International Journal of Organic Evolution</i> , 2012, 66, 115-134.	2.3	40
11	Linear Regression Links Transcriptomic Data and Cellular Raman Spectra. <i>Cell Systems</i> , 2018, 7, 104-117.e4.	6.2	34
12	The microfluidic lighthouse: an omnidirectional gradient generator. <i>Lab on A Chip</i> , 2016, 16, 4382-4394.	6.0	29
13	Non-genetic variability of division cycle and growth of isolated individual cells in on-chip culture system. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2001, 77, 145-150.	3.8	26
14	Intrinsic growth heterogeneity of mouse leukemia cells underlies differential susceptibility to a growth-inhibiting anticancer drug. <i>PLoS ONE</i> , 2021, 16, e0236534.	2.5	9
15	Quantitative evaluation of cell-to-cell communication effects in cell group class using on-chip individual-cell-based cultivation system. <i>Biochemical and Biophysical Research Communications</i> , 2006, 349, 1130-1138.	2.1	8
16	Scale invariance of cell size fluctuations in starving bacteria. <i>Communications Physics</i> , 2021, 4, .	5.3	6
17	History-dependent physiological adaptation to lethal genetic modification under antibiotic exposure. <i>ELife</i> , 2022, 11, .	6.0	4
18	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 ETQq0 001rgBT /Overlock 10		

#	ARTICLE	IF	CITATIONS
19	1P-242 Phenotypic plasticity of the cell morphology of the centric diatom (<i>Cyclotella meneghiniana</i>) by the on-chip single-cell cultivation system(Ecology & Environment, The 47th Annual Meeting of the Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	0.1	0
20	3P230 Vesicle dynamics observation using flow device(Biol & Artifi memb.: Dynamics,The 48th) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.1	0
21	2P153 Different fates within clonal cells of diatom during sexual induction(The 48th Annual Meeting) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	0.1	0
22	2SA1045 Microbial persistence as spontaneous phenotypic adaptation through stochastic drift(2SA) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.1	0
23	2J1524 The relations between cell growth and fluctuations in gene expression(Measurements,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 2011, 51, S91-S92.	0.1	0
24	OB-I-4Techniques for Measuring and Analyzing Single-Cell Histories and Lineage Trees. Microscopy (Oxford, England), 2016, 65, i9.2-i9.	1.5	0