

Fabian Rudolf

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/126530/publications.pdf>

Version: 2024-02-01

27
papers

897
citations

623734

14
h-index

580821

25
g-index

41
all docs

41
docs citations

41
times ranked

1414
citing authors

#	ARTICLE	IF	CITATIONS
1	Accurate cell segmentation in microscopy images using membrane patterns. <i>Bioinformatics</i> , 2014, 30, 2644-2651.	4.1	170
2	Inducible, tightly regulated and growth condition-independent transcription factor in <i>Saccharomyces cerevisiae</i> . <i>Nucleic Acids Research</i> , 2014, 42, e130-e130.	14.5	140
3	Identification and Characterisation of a pH-stable GFP. <i>Scientific Reports</i> , 2016, 6, 28166.	3.3	50
4	A shuttle vector series for precise genetic engineering of <i>Saccharomyces cerevisiae</i> . <i>Yeast</i> , 2016, 33, 83-98.	1.7	48
5	Characterization of Single Yeast Cell Phenotypes Using Microfluidic Impedance Cytometry and Optical Imaging. <i>ACS Sensors</i> , 2016, 1, 1020-1027.	7.8	48
6	<i>Saccharomyces cerevisiae</i> Shuttle vectors. <i>Yeast</i> , 2017, 34, 205-221.	1.7	45
7	Time-lapse electrical impedance spectroscopy for monitoring the cell cycle of single immobilized <i>S. pombe</i> cells. <i>Scientific Reports</i> , 2015, 5, 17180.	3.3	40
8	A Single-Cell Atlas of Lymphocyte Adaptive Immune Repertoires and Transcriptomes Reveals Age-Related Differences in Convalescent COVID-19 Patients. <i>Frontiers in Immunology</i> , 2021, 12, 701085.	4.8	33
9	Integrating impedance-based growth-rate monitoring into a microfluidic cell culture platform for live-cell microscopy. <i>Microsystems and Nanoengineering</i> , 2018, 4, 8.	7.0	31
10	Versatile, Simple-to-Use Microfluidic Cell-Culturing Chip for Long-Term, High-Resolution, Time-Lapse Imaging. <i>Analytical Chemistry</i> , 2015, 87, 4144-4151.	6.5	26
11	Mouse and human HSPC immobilization in liquid culture by CD43- or CD44-antibody coating. <i>Blood</i> , 2018, 131, 1425-1429.	1.4	26
12	Use of YouScope to Implement Systematic Microscopy Protocols. <i>Current Protocols in Molecular Biology</i> , 2012, 98, Unit 14.21.1-23.	2.9	25
13	Synthetic biosensing systems. <i>International Journal of Biochemistry and Cell Biology</i> , 2011, 43, 310-319.	2.8	21
14	A Simple and Flexible Computational Framework for Inferring Sources of Heterogeneity from Single-Cell Dynamics. <i>Cell Systems</i> , 2019, 8, 15-26.e11.	6.2	19
15	A precisely adjustable, variation-suppressed eukaryotic transcriptional controller to enable genetic discovery. <i>ELife</i> , 2021, 10, .	6.0	19
16	Automated Planning Enables Complex Protocols on Liquid-Handling Robots. <i>ACS Synthetic Biology</i> , 2018, 7, 922-932.	3.8	18
17	Using CellX to Quantify Intracellular Events. , 2013, Chapter 14, Unit 14.22..		17
18	Mechanical stress impairs pheromone signaling via Pkc1-mediated regulation of the MAPK scaffold Ste5. <i>Journal of Cell Biology</i> , 2019, 218, 3117-3133.	5.2	13

#	ARTICLE	IF	CITATIONS
19	Development and optimisation of a defined high cell density yeast medium. <i>Yeast</i> , 2020, 37, 336-347.	1.7	13
20	SARS-CoV-2 reactive and neutralizing antibodies discovered by single-cell sequencing of plasma cells and mammalian display. <i>Cell Reports</i> , 2022, 38, 110242.	6.4	13
21	A rationally engineered decoder of transient intracellular signals. <i>Nature Communications</i> , 2021, 12, 1886.	12.8	11
22	The CellClamper: A Convenient Microfluidic Device for Time-Lapse Imaging of Yeast. <i>Methods in Molecular Biology</i> , 2018, 1672, 537-555.	0.9	9
23	Preventing Photomorbidity in Long-Term Multi-color Fluorescence Imaging of <i>Saccharomyces cerevisiae</i> and <i>S. pombe</i> . <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 4373-4385.	1.8	8
24	A DNA intercalating dye-based RT-qPCR alternative to diagnose SARS-CoV-2. <i>RNA Biology</i> , 2021, 18, 2218-2225.	3.1	7
25	A microfluidic single-cell array for in situ laminar-flow-based comparative culturing of budding yeast cells. <i>Talanta</i> , 2021, 231, 122401.	5.5	5
26	DeepSARS: simultaneous diagnostic detection and genomic surveillance of SARS-CoV-2. <i>BMC Genomics</i> , 2022, 23, 289.	2.8	5
27	Microfluidic impedance cytometer for characterization of subcellular morphology of single cells. , 2013, , .		0