

Robin E C Lee

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

883
citations

687363

13
h-index

752698

20
g-index

32
all docs

32
docs citations

32
times ranked

1342
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-term imaging of individual mRNA molecules in living cells. <i>Cell Reports Methods</i> , 2022, 2, 100226.	2.9	3
2	dNEMO: a tool for quantification of mRNA and punctate structures in time-lapse images of single cells. <i>Bioinformatics</i> , 2021, 37, 677-683.	4.1	4
3	A variable-gain stochastic pooling motif mediates information transfer from receptor assemblies into NF- κ B. <i>Science Advances</i> , 2021, 7, .	10.3	10
4	Parallel Tempering with Lasso for model reduction in systems biology. <i>PLoS Computational Biology</i> , 2020, 16, e1007669.	3.2	22
5	Parallel Tempering with Lasso for model reduction in systems biology. , 2020, 16, e1007669.		0
6	Parallel Tempering with Lasso for model reduction in systems biology. , 2020, 16, e1007669.		0
7	Parallel Tempering with Lasso for model reduction in systems biology. , 2020, 16, e1007669.		0
8	Parallel Tempering with Lasso for model reduction in systems biology. , 2020, 16, e1007669.		0
9	Dopamine D2 receptor modulates Wnt expression and control of cell proliferation. <i>Scientific Reports</i> , 2019, 9, 16861.	3.3	23
10	A System for Analog Control of Cell Culture Dynamics to Reveal Capabilities of Signaling Networks. <i>IScience</i> , 2019, 19, 586-596.	4.1	15
11	A network-centric approach to drugging TNF-induced NF- κ B signaling. <i>Nature Communications</i> , 2019, 10, 860.	12.8	26
12	Shift from stochastic to spatially-ordered expression of serine-glycine synthesis enzymes in 3D microtumors. <i>Scientific Reports</i> , 2018, 8, 9388.	3.3	10
13	Evaluation of Parallel Tempering to Accelerate Bayesian Parameter Estimation in Systems Biology. , 2018, 2018, 690-697.		15
14	NF- κ B-Chromatin Interactions Drive Diverse Phenotypes by Modulating Transcriptional Noise. <i>Cell Reports</i> , 2018, 22, 585-599.	6.4	43
15	Demystifying the cytokine network: Mathematical models point the way. <i>Cytokine</i> , 2017, 98, 115-123.	3.2	32
16	NF- κ B Dynamics Discriminate between TNF Doses in Single Cells. <i>Cell Systems</i> , 2017, 5, 638-645.e5.	6.2	66
17	NF- κ B signalling and cell fate decisions in response to a short pulse of tumour necrosis factor. <i>Scientific Reports</i> , 2016, 6, 39519.	3.3	51
18	Putting it all on pigmentation: Heuristics of a bold and stochastic cell fate decision. <i>Science Signaling</i> , 2015, 8, fs17.	3.6	0

#	ARTICLE	IF	CITATIONS
19	Cell-to-cell variability in cell death: can systems biology help us make sense of it all?. <i>Cell Death and Disease</i> , 2014, 5, e1261-e1261.	6.3	34
20	Fold Change of Nuclear NF- κ B Determines TNF-Induced Transcription in Single Cells. <i>Molecular Cell</i> , 2014, 53, 867-879.	9.7	229
21	Monitoring the Proteostasis Function of the <i>Saccharomyces cerevisiae</i> Metacaspase Yca1. <i>Methods in Molecular Biology</i> , 2014, 1133, 223-235.	0.9	0
22	A novel whole-cell lysate kinase assay identifies substrates of the p38 MAPK in differentiating myoblasts. <i>Skeletal Muscle</i> , 2012, 2, 5.	4.2	43
23	Metacaspase Yca1 is required for clearance of insoluble protein aggregates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 13348-13353.	7.1	139
24	Reconstructing Regulatory Kinase Pathways from Phosphopeptide Data: A Bioinformatics Approach. <i>Methods in Molecular Biology</i> , 2009, 527, 311-319.	0.9	3
25	A Non-Death Role of the Yeast Metacaspase: Yca1p Alters Cell Cycle Dynamics. <i>PLoS ONE</i> , 2008, 3, e2956.	2.5	83
26	Reconstructing the Regulatory Kinase Pathways of Myogenesis from Phosphopeptide Data. <i>Molecular and Cellular Proteomics</i> , 2006, 5, 2244-2251.	3.8	20
27	The yeast kinome displays scale free topology with functional hub clusters. <i>BMC Bioinformatics</i> , 2005, 6, 271.	2.6	10