

Stefan Legewie

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

883
citations

840776

11
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

1499
citing authors

#	ARTICLE	IF	CITATIONS
1	Mathematical Modeling Identifies Inhibitors of Apoptosis as Mediators of Positive Feedback and Bistability. <i>PLoS Computational Biology</i> , 2006, 2, e120.	3.2	217
2	Recurrent design patterns in the feedback regulation of the mammalian signalling network. <i>Molecular Systems Biology</i> , 2008, 4, 190.	7.2	100
3	Estrogen-dependent control and cell-to-cell variability of transcriptional bursting. <i>Molecular Systems Biology</i> , 2018, 14, e7678.	7.2	79
4	Competing Docking Interactions can Bring About Bistability in the MAPK Cascade. <i>Biophysical Journal</i> , 2007, 93, 2279-2288.	0.5	78
5	Small RNAs Establish Delays and Temporal Thresholds in Gene Expression. <i>Biophysical Journal</i> , 2008, 95, 3232-3238.	0.5	72
6	Negative feedback in the bone morphogenetic protein 4 (BMP4) synexpression group governs its dynamic signaling range and canalizes development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 10202-10207.	7.1	67
7	Intra- and Interdimeric Caspase-8 Self-Cleavage Controls Strength and Timing of CD95-Induced Apoptosis. <i>Science Signaling</i> , 2014, 7, ra23.	3.6	63
8	Cell-specific responses to the cytokine $\text{TGF-}\beta^2$ are determined by variability in protein levels. <i>Molecular Systems Biology</i> , 2018, 14, e7733.	7.2	50
9	Quantitative analysis of ultrasensitive responses. <i>FEBS Journal</i> , 2005, 272, 4071-4079.	4.7	49
10	Modelling Systemic Iron Regulation during Dietary Iron Overload and Acute Inflammation: Role of Hepcidin-Independent Mechanisms. <i>PLoS Computational Biology</i> , 2017, 13, e1005322.	3.2	37
11	Ultrasensitization: Switch-Like Regulation of Cellular Signaling by Transcriptional Induction. <i>PLoS Computational Biology</i> , 2005, 1, e54.	3.2	28
12	Identifying Novel Transcriptional Regulators with Circadian Expression. <i>Molecular and Cellular Biology</i> , 2016, 36, 545-558.	2.3	13
13	Correlated receptor transport processes buffer single-cell heterogeneity. <i>PLoS Computational Biology</i> , 2017, 13, e1005779.	3.2	10
14	Kinetic mechanisms for overexpression insensitivity and oncogene cooperation. <i>FEBS Letters</i> , 2009, 583, 93-96.	2.8	9
15	Exon Definition Facilitates Reliable Control of Alternative Splicing in the RON Proto-Oncogene. <i>Biophysical Journal</i> , 2020, 118, 2027-2041.	0.5	7
16	Data-based stochastic modeling reveals sources of activity bursts in single-cell $\text{TGF-}\beta^2$ signaling. <i>PLoS Computational Biology</i> , 2022, 18, e1010266.	3.2	4