

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

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16
all docs

16
docs citations

16
times ranked

1499
citing authors

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