Nan Hao

List of Publications by Year
in descending order

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30	1,567	516710 16	477307 29
papers	citations	h-index	g-index

38	38	38	1709
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Signal-dependent dynamics of transcription factor translocation controls gene expression. Nature Structural and Molecular Biology, 2012, 19, 31-39.	8.2	275
2	Tunable Signal Processing Through Modular Control of Transcription Factor Translocation. Science, 2013, 339, 460-464.	12.6	132
3	Regulation of Cell Signaling Dynamics by the Protein Kinase-Scaffold Ste5. Molecular Cell, 2008, 30, 649-656.	9.7	110
4	Mathematical and Computational Analysis of Adaptation via Feedback Inhibition in Signal Transduction Pathways. Biophysical Journal, 2007, 93, 806-821.	0.5	107
5	A Systems-Biology Analysis of Feedback Inhibition in the Sho1 Osmotic-Stress-Response Pathway. Current Biology, 2007, 17, 659-667.	3.9	97
6	High-throughput microfluidics to control and measure signaling dynamics in single yeast cells. Nature Protocols, 2015, 10, 1181-1197.	12.0	84
7	A programmable fate decision landscape underlies single-cell aging in yeast. Science, 2020, 369, 325-329.	12.6	77
8	Bistability, Stochasticity, and Oscillations in the Mitogen-Activated Protein Kinase Cascade. Biophysical Journal, 2006, 90, 1961-1978.	0.5	73
9	Regulators of G Protein Signaling and Transient Activation of Signaling. Journal of Biological Chemistry, 2003, 278, 46506-46515.	3.4	66
10	Control of MAPK Specificity by Feedback Phosphorylation of Shared Adaptor Protein Ste50. Journal of Biological Chemistry, 2008, 283, 33798-33802.	3.4	61
11	Genome-Scale Analysis Reveals Sst2 as the Principal Regulator of Mating Pheromone Signaling in the Yeast Saccharomyces cerevisiae. Eukaryotic Cell, 2006, 5, 330-346.	3.4	60
12	Multigenerational silencing dynamics control cell aging. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 11253-11258.	7.1	60
13	Dose-to-Duration Encoding and Signaling beyond Saturation in Intracellular Signaling Networks. PLoS Computational Biology, 2008, 4, e1000197.	3.2	56
14	Divergent Aging of Isogenic Yeast Cells Revealed through Single-Cell Phenotypic Dynamics. Cell Systems, 2019, 8, 242-253.e3.	6.2	43
15	Systems biology analysis of G protein and MAP kinase signaling in yeast. Oncogene, 2007, 26, 3254-3266.	5.9	35
16	Dynamic control of gene regulatory logic by seemingly redundant transcription factors. ELife, 2016, 5, .	6.0	35
17	Mitogen-activated protein kinase (MAPK) dynamics determine cell fate in the yeast mating response. Journal of Biological Chemistry, 2017, 292, 20354-20361.	3.4	21
18	Coupled feedback loops control the stimulus-dependent dynamics of the yeast transcription factor Msn2. Journal of Biological Chemistry, 2017, 292, 12366-12372.	3.4	19

#	Article	IF	Citations
19	Quantitative analysis of the yeast pheromone pathway. Yeast, 2019, 36, 495-518.	1.7	18
20	Memorizing environmental signals through feedback and feedforward loops. Current Opinion in Cell Biology, 2021, 69, 96-102.	5.4	18
21	Combined computational and experimental analysis reveals mitogen-activated protein kinaseâ€“mediated feedback phosphorylation as a mechanism for signaling specificity. Molecular Biology of the Cell, 2012, 23, 3899-3910.	2.1	17
22	Flavin-based metabolic cycles are integral features of growth and division in single yeast cells. Scientific Reports, 2018, 8, 18045.	3.3	17
23	High-throughput single-cell analysis for the proteomic dynamics study of the yeast osmotic stress response. Scientific Reports, 2017, 7, 42200.	3.3	16
24	Cell-cycle-gated feedback control mediates desensitization to interferon stimulation. ELife, 2020, 9, .	6.0	15
25	A protein kinase Aâ€“regulated network encodes short- and long-lived cellular memories. Science Signaling, 2020, 13, .	3.6	14
26	Advances in quantitative biology methods for studying replicative aging in Saccharomyces cerevisiae. Translational Medicine of Aging, 2020, 4, 151-160.	1.3	13
27	Mathematical Modeling of RGS and G-Protein Regulation in Yeast. Methods in Enzymology, 2004, 389, 383-398.	1.0	12
28	Protein expression patterns of the yeast mating response. Integrative Biology (United Kingdom), 2016, 8, 712-719.	1.3	6
29	Reconstructing the regulatory circuit of cell fate determination in yeast mating response. PLoS Computational Biology, 2017, 13, e1005671.	3.2	5
30	Modeling signal specificity by feedback inhibition. FASEB Journal, 2007, 21, A264.	0.5	0