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List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

2,441
citations

304743

22
h-index

265206

42
g-index

48
all docs

48
docs citations

48
times ranked

3148
citing authors

#	ARTICLE	IF	CITATIONS
1	Akt Is S-Palmitoylated: A New Layer of Regulation for Akt. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 626404.	3.7	20
2	GPCR receptor phosphorylation and endocytosis are not necessary to switch polarized growth between internal cues during pheromone response in <i>S. cerevisiae</i> . <i>Communicative and Integrative Biology</i> , 2020, 13, 128-139.	1.4	1
3	Mitotic and pheromone-specific intrinsic polarization cues interfere with gradient sensing in <i>Saccharomyces cerevisiae</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 6580-6589.	7.1	10
4	Single-cell profiling screen identifies microtubule-dependent reduction of variability in signaling. <i>Molecular Systems Biology</i> , 2018, 14, e7390.	7.2	5
5	CDK and MAPK Synergistically Regulate Signaling Dynamics via a Shared Multi-site Phosphorylation Region on the Scaffold Protein Ste5. <i>Molecular Cell</i> , 2018, 69, 938-952.e6.	9.7	39
6	Properties of cell signaling pathways and gene expression systems operating far from steady-state. <i>Scientific Reports</i> , 2018, 8, 17035.	3.3	7
7	Heat-stress triggers MAPK crosstalk to turn on the hyperosmotic response pathway. <i>Scientific Reports</i> , 2018, 8, 15168.	3.3	46
8	Ultrasensitivity in signaling cascades revisited: Linking local and global ultrasensitivity estimations. <i>PLoS ONE</i> , 2017, 12, e0180083.	2.5	20
9	Yeast GPCR signaling reflects the fraction of occupied receptors, not the number. <i>Molecular Systems Biology</i> , 2016, 12, 898.	7.2	36
10	Push-Pull and Feedback Mechanisms Can Align Signaling System Outputs with Inputs. <i>Cell Systems</i> , 2016, 3, 444-455.e2.	6.2	26
11	Synthetic Crossfeeding Cocultures in Yeast: Computational Model of Autoregulation and Design of a Tryptophan Export Device. <i>Journal of Synthetic Biology</i> , 2015, 2015, 1-10.	0.0	0
12	Nonlinear mixed-effects modelling for single cell estimation: when, why, and how to use it. <i>BMC Systems Biology</i> , 2015, 9, 52.	3.0	40
13	Compartmentalization of a Bistable Switch Enables Memory to Cross a Feedback-Driven Transition. <i>Cell</i> , 2015, 160, 1182-1195.	28.9	45
14	Messages Do Diffuse Faster than Messengers: Reconciling Disparate Estimates of the Morphogen Bicoid Diffusion Coefficient. <i>PLoS Computational Biology</i> , 2014, 10, e1003629.	3.2	31
15	Utilization of extracellular information before ligand-receptor binding reaches equilibrium expands and shifts the input dynamic range. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E3860-9.	7.1	32
16	Impact of upstream and downstream constraints on a signaling module's ultrasensitivity. <i>Physical Biology</i> , 2014, 11, 066003.	1.8	4
17	Quantitative Measurement of Protein Relocalization in Live Cells. <i>Biophysical Journal</i> , 2013, 104, 727-736.	0.5	17
18	Pheromone-Induced Morphogenesis Improves Osmoadaptation Capacity by Activating the HOG MAPK Pathway. <i>Science Signaling</i> , 2013, 6, ra26.	3.6	44

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19	Modification of Akt by SUMO conjugation regulates alternative splicing and cell cycle. <i>Cell Cycle</i> , 2013, 12, 3354-3363.	2.6	32
20	Modulation of the Akt Pathway Reveals a Novel Link with PERK/eIF2 γ , which Is Relevant during Hypoxia. <i>PLoS ONE</i> , 2013, 8, e69668.	2.5	30
21	PI3K/AKT pathway regulates phosphorylation of steroid receptors, hormone independence and tumor differentiation in breast cancer. <i>Carcinogenesis</i> , 2012, 33, 509-518.	2.8	47
22	Using Cell μ D 1.4 with R for Microscope μ Based Cytometry. <i>Current Protocols in Molecular Biology</i> , 2012, 100, Unit 14.18.	2.9	15
23	Modelling reveals novel roles of two parallel signalling pathways and homeostatic feedbacks in yeast. <i>Molecular Systems Biology</i> , 2012, 8, 622.	7.2	56
24	Scaffold number in yeast signaling system sets tradeoff between system output and dynamic range. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 20265-20270.	7.1	57
25	Abstract 1316: Overactivation of AKT promotes hormone-independent mammary tumors. , 2011, , .		0
26	Phosphoproteomic Analysis Reveals Interconnected System-Wide Responses to Perturbations of Kinases and Phosphatases in Yeast. <i>Science Signaling</i> , 2010, 3, rs4.	3.6	277
27	Optical techniques provide information on various effective diffusion coefficients in the presence of traps. <i>Physical Review E</i> , 2010, 82, 051912.	2.1	14
28	Negative feedback that improves information transmission in yeast signalling. <i>Nature</i> , 2008, 456, 755-761.	27.8	208
29	The Alpha Project: a model system for systems biology research. <i>IET Systems Biology</i> , 2008, 2, 222-233.	1.5	11
30	Using Cell μ D 1.4 with R for Microscope μ Based Cytometry. <i>Current Protocols in Molecular Biology</i> , 2008, 84, Unit 14.18.	2.9	16
31	Single-cell quantification of molecules and rates using open-source microscope-based cytometry. <i>Nature Methods</i> , 2007, 4, 175-181.	19.0	203
32	Transforming growth factor β 1 regulates follistatin mrna expression during in vitro bovine granulosa cell differentiation. <i>Journal of Cellular Physiology</i> , 2006, 207, 40-48.	4.1	13
33	Regulated cell-to-cell variation in a cell-fate decision system. <i>Nature</i> , 2005, 437, 699-706.	27.8	419
34	Nitric oxide induces gelatinase A (matrix metalloproteinase 2) during rat embryo implantation. <i>Fertility and Sterility</i> , 2002, 78, 1278-1287.	1.0	38
35	Expression of 3β -hydroxysteroid dehydrogenase in early bovine embryo development. <i>Molecular Reproduction and Development</i> , 2002, 61, 135-141.	2.0	8
36	Yeast Cbk1 and Mob2 Activate Daughter-Specific Genetic Programs to Induce Asymmetric Cell Fates. <i>Cell</i> , 2001, 107, 739-750.	28.9	315

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37	Regulation of metalloproteinases by nitric oxide in human trophoblast cells in culture. <i>Reproduction, Fertility and Development</i> , 2001, 13, 411.	0.4	51
38	In vivo evidences of early neurosteroid synthesis in the developing rat central nervous system and placenta. <i>Developmental Brain Research</i> , 2000, 120, 83-86.	1.7	45
39	Evidence for a Role of the Alternatively Spliced ED-I Sequence of Fibronectin during Ovarian Follicular Development1. <i>Endocrinology</i> , 1999, 140, 2541-2548.	2.8	15
40	"Mutagenesis" by peptide aptamers identifies genetic network members and pathway connections. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 8567-8572.	7.1	99
41	Evidence for a Role of the Alternatively Spliced ED-I Sequence of Fibronectin during Ovarian Follicular Development. <i>Endocrinology</i> , 1999, 140, 2541-2548.	2.8	5
42	Biosynthesis of progesterone derived neurosteroids by developing avian CNS : in vitro effects on the gabaa receptor complex. <i>International Journal of Developmental Neuroscience</i> , 1998, 16, 433-442.	1.6	14
43	Comparative studies between freshly isolated and spontaneously immortalized bovine granulosa cells: Protein secretion, steroid metabolism, and responsiveness to growth factors. <i>Journal of Cellular Physiology</i> , 1995, 164, 395-403.	4.1	28