

Michael R H White

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4127685/publications.pdf>

Version: 2024-02-01

78
papers

4,143
citations

117571

34
h-index

118793

62
g-index

83
all docs

83
docs citations

83
times ranked

5681
citing authors

#	ARTICLE	IF	CITATIONS
1	Apoptotic priming is defined by the dynamic exchange of Bcl-2 proteins between mitochondria and cytosol. <i>Cell Death and Differentiation</i> , 2022, 29, 2262-2274.	5.0	10
2	Transcription Factor Pit-1 Affects Transcriptional Timing in the Dual-Promoter Human Prolactin Gene. <i>Endocrinology</i> , 2021, 162, .	1.4	5
3	Natural killer cell immune synapse formation and cytotoxicity are controlled by tension of the target interface. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	26
4	Calcium dynamics and chromatin remodelling underlie heterogeneity in prolactin transcription. <i>Journal of Molecular Endocrinology</i> , 2021, 66, 59-69.	1.1	1
5	Multiplexing information flow through dynamic signalling systems. <i>PLoS Computational Biology</i> , 2020, 16, e1008076.	1.5	6
6	Using systems medicine to identify a therapeutic agent with potential for repurposing in inflammatory bowel disease. <i>DMM Disease Models and Mechanisms</i> , 2020, 13, .	1.2	9
7	ER stress-linked autophagy stabilizes apoptosis effector PERP and triggers its co-localization with SERCA2b at ER-plasma membrane junctions. <i>Cell Death Discovery</i> , 2019, 5, 132.	2.0	12
8	Disentangling juxtacrine from paracrine signalling in dynamic tissue. <i>PLoS Computational Biology</i> , 2019, 15, e1007030.	1.5	2
9	Temperature regulates NF- κ B dynamics and function through timing of A20 transcription. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E5243-E5249.	3.3	48
10	Quantitative analysis reveals crosstalk mechanisms of heat shock-induced attenuation of NF- κ B signaling at the single cell level. <i>PLoS Computational Biology</i> , 2018, 14, e1006130.	1.5	17
11	Quantitative analysis of competitive cytokine signaling predicts tissue thresholds for the propagation of macrophage activation. <i>Science Signaling</i> , 2018, 11, .	1.6	55
12	Understanding the dynamics of Toll-like Receptor 5 response to flagellin and its regulation by estradiol. <i>Scientific Reports</i> , 2017, 7, 40981.	1.6	13
13	Asymmetry between Activation and Deactivation during a Transcriptional Pulse. <i>Cell Systems</i> , 2017, 5, 646-653.e5.	2.9	13
14	Stochasticity in the miR-9/Hes1 oscillatory network can account for clonal heterogeneity in the timing of differentiation. <i>ELife</i> , 2016, 5, .	2.8	40
15	Visualizing and Quantifying Intracellular Behavior and Abundance of the Core Circadian Clock Protein PERIOD2. <i>Current Biology</i> , 2016, 26, 1880-1886.	1.8	47
16	Signal transduction controls heterogeneous NF- κ B dynamics and target gene expression through cytokine-specific refractory states. <i>Nature Communications</i> , 2016, 7, 12057.	5.8	80
17	Role of Estrogen Response Element in the Human Prolactin Gene: Transcriptional Response and Timing. <i>Molecular Endocrinology</i> , 2016, 30, 189-200.	3.7	5
18	p63 is required beside p53 for PERP-mediated apoptosis in uveal melanoma. <i>British Journal of Cancer</i> , 2016, 115, 983-992.	2.9	27

#	ARTICLE	IF	CITATIONS
19	Dynamic phosphorylation of RelA on Ser42 and Ser45 in response to TNF α stimulation regulates DNA binding and transcription. <i>Open Biology</i> , 2016, 6, 160055.	1.5	19
20	Spatially coordinated dynamic gene transcription in living pituitary tissue. <i>ELife</i> , 2016, 5, e08494.	2.8	51
21	Dynamic NF- κ B and E2F interactions control the priority and timing of inflammatory signalling and cell proliferation. <i>ELife</i> , 2016, 5, .	2.8	50
22	A stochastic transcriptional switch model for single cell imaging data. <i>Biostatistics</i> , 2015, 16, 655-669.	0.9	29
23	Catabolic cytokines disrupt the circadian clock and the expression of clock-controlled genes in cartilage via an NF- κ B-dependent pathway. <i>Osteoarthritis and Cartilage</i> , 2015, 23, 1981-1988.	0.6	75
24	Glucocorticoid receptor regulates accurate chromosome segregation and is associated with malignancy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 5479-5484.	3.3	48
25	A method of ϵ -speed coefficients TM for biochemical model reduction applied to the NF- κ B system. <i>Journal of Mathematical Biology</i> , 2015, 70, 591-620.	0.8	14
26	Tight Control of Hypoxia-inducible Factor-1 α Transient Dynamics Is Essential for Cell Survival in Hypoxia. <i>Journal of Biological Chemistry</i> , 2014, 289, 5549-5564.	1.6	56
27	Peritonitis Activates Transcription of the Human Prolactin Locus in Myeloid Cells in a Humanized Transgenic Rat Model. <i>Endocrinology</i> , 2012, 153, 2724-2734.	1.4	8
28	Serine 162, an Essential Residue for the Mitochondrial Localization, Stability and Anti-Apoptotic Function of Mcl-1. <i>PLoS ONE</i> , 2012, 7, e45088.	1.1	10
29	Quantitative measurement of single cell dynamics. <i>Current Opinion in Biotechnology</i> , 2012, 23, 103-109.	3.3	32
30	A systematic survey of the response of a model NF- κ B signalling pathway to TNF α stimulation. <i>Journal of Theoretical Biology</i> , 2012, 297, 137-147.	0.8	25
31	The molecular action of the novel insecticide, Pyridalyl. <i>Insect Biochemistry and Molecular Biology</i> , 2011, 41, 459-469.	1.2	29
32	Interactions among oscillatory pathways in NF-kappa B signaling. <i>BMC Systems Biology</i> , 2011, 5, 23.	3.0	30
33	Predicting the points of interaction of small molecules in the NF- κ B pathway. <i>BMC Systems Biology</i> , 2011, 5, 32.	3.0	0
34	CellCut: A framework for interactive tracking of protein translocations between cell nucleus and cytoplasm. , 2011, , .		0
35	Pulsatile patterns of pituitary hormone gene expression change during development. <i>Journal of Cell Science</i> , 2011, 124, 3484-3491.	1.2	29
36	Dynamic Analysis of Stochastic Transcription Cycles. <i>PLoS Biology</i> , 2011, 9, e1000607.	2.6	206

#	ARTICLE	IF	CITATIONS
37	Pulsatile patterns of pituitary hormone gene expression change during development. <i>Development (Cambridge)</i> , 2011, 138, e2208-e2208.	1.2	0
38	Spatial and temporal information coding and noise in the NF- κ B system. <i>Biochemical Society Transactions</i> , 2010, 38, 1247-1250.	1.6	6
39	Interactive segmentation of clustered cells via geodesic commute distance and constrained density weighted Nyström method. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2010, 77A, 1137-1147.	1.1	16
40	Measurement of single-cell dynamics. <i>Nature</i> , 2010, 465, 736-745.	13.7	468
41	Population robustness arising from cellular heterogeneity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 11644-11649.	3.3	172
42	Dynamic organisation of prolactin gene expression in living pituitary tissue. <i>Journal of Cell Science</i> , 2010, 123, 424-430.	1.2	45
43	Physiological levels of TNF α stimulation induce stochastic dynamics of NF- κ B responses in single living cells. <i>Journal of Cell Science</i> , 2010, 123, 2834-2843.	1.2	102
44	Oscillatory control of signalling molecules. <i>Current Opinion in Genetics and Development</i> , 2010, 20, 670-676.	1.5	43
45	Is frequency-encoding of information a major theme in cellular processes?. <i>Cell Cycle</i> , 2009, 8, 2676-2678.	1.3	3
46	Real-Time Visualization of Human Prolactin Alternate Promoter Usage in Vivo Using a Double-Transgenic Rat Model. <i>Molecular Endocrinology</i> , 2009, 23, 529-538.	3.7	32
47	Information management for high content live cell imaging. <i>BMC Bioinformatics</i> , 2009, 10, 226.	1.2	4
48	Pulsatile Stimulation Determines Timing and Specificity of NF- κ B-Dependent Transcription. <i>Science</i> , 2009, 324, 242-246.	6.0	510
49	Cathepsin L Digestion of Nanobioconjugates upon Endocytosis. <i>ACS Nano</i> , 2009, 3, 2461-2468.	7.3	110
50	Is frequency-encoding of information a major theme in cellular processes?. <i>Cell Cycle</i> , 2009, 8, 2677-8.	1.3	5
51	Spatio-temporal protein dynamics in single living cells. <i>Current Opinion in Biotechnology</i> , 2008, 19, 375-380.	3.3	23
52	Reconstruction of transcriptional dynamics from gene reporter data using differential equations. <i>Bioinformatics</i> , 2008, 24, 2901-2907.	1.8	58
53	Dynamic resolution of acrosomal exocytosis in human sperm. <i>Journal of Cell Science</i> , 2008, 121, 2130-2135.	1.2	46
54	Single live-cell imaging for systems biology 9. <i>Essays in Biochemistry</i> , 2008, 45, 121-134.	2.1	25

#	ARTICLE	IF	CITATIONS
55	Unregulated actin polymerization by WASp causes defects of mitosis and cytokinesis in X-linked neutropenia. <i>Journal of Experimental Medicine</i> , 2007, 204, 2213-2224.	4.2	158
56	Cell Shape-dependent Control of Ca ²⁺ Influx and Cell Cycle Progression in Swiss 3T3 Fibroblasts. <i>Journal of Biological Chemistry</i> , 2007, 282, 32112-32120.	1.6	14
57	Single-cell time-lapse imaging of the dynamic control of NF- κ B signalling. <i>Biochemical Society Transactions</i> , 2007, 35, 263-266.	1.6	20
58	A dual Golgi- and mitochondria-localised Ala25Ser precursor cystatin C: An additional tool for characterising intracellular mis-localisation leading to increased AMD susceptibility. <i>Experimental Eye Research</i> , 2007, 84, 1135-1139.	1.2	16
59	Trafficking of osteonectin by retinal pigment epithelial cells: Evidence for basolateral secretion. <i>International Journal of Biochemistry and Cell Biology</i> , 2007, 39, 85-92.	1.2	7
60	Automated tracking of gene expression in individual cells and cell compartments. <i>Journal of the Royal Society Interface</i> , 2006, 3, 787-794.	1.5	59
61	Automatic tracking of biological cells and compartments using particle filters and active contours. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2006, 82, 276-282.	1.8	49
62	Tumor Necrosis Factor- α Activates the Human Prolactin Gene Promoter via Nuclear Factor- κ B Signaling. <i>Endocrinology</i> , 2006, 147, 773-781.	1.4	45
63	Synergistic control of oscillations in the NF-B signalling pathway. <i>IET Systems Biology</i> , 2005, 152, 153.	2.0	46
64	Calcium-dependent regulation of the cell cycle via a novel MAPK- κ B pathway in Swiss 3T3 cells. <i>Journal of Cell Biology</i> , 2004, 166, 661-672.	2.3	56
65	Unexpected Intracellular Localization of the AMD-Associated Cystatin C Variant. <i>Traffic</i> , 2004, 5, 884-895.	1.3	44
66	Oscillations in transcription factor dynamics: a new way to control gene expression. <i>Biochemical Society Transactions</i> , 2004, 32, 1090-1092.	1.6	30
67	Heterogeneous regulation of individual lactotroph cells by photoperiod in the Syrian hamster (<i>Mesocricetus auratus</i>). <i>General and Comparative Endocrinology</i> , 2003, 134, 182-186.	0.8	11
68	NF- κ B signalling is inhibited by glucocorticoid receptor and STAT6 via distinct mechanisms. <i>Journal of Cell Science</i> , 2003, 116, 2495-2503.	1.2	70
69	The Digestive Food Vacuole of the Malaria Parasite Is a Dynamic Intracellular Ca ²⁺ Store. <i>Journal of Biological Chemistry</i> , 2003, 278, 27910-27915.	1.6	73
70	Evidence for an endogenous per1 and ICER independent seasonal timer in the hamster pituitary gland. <i>FASEB Journal</i> , 2003, 17, 810-815.	0.2	53
71	Dynamic analysis of STAT6 signalling in living cells. <i>FEBS Letters</i> , 2002, 532, 188-192.	1.3	5
72	Distribution of acridine orange fluorescence in Plasmodium falciparum-infected erythrocytes and its implications for the evaluation of digestive vacuole pH. <i>Molecular and Biochemical Parasitology</i> , 2002, 119, 301-304.	0.5	38

#	ARTICLE	IF	CITATIONS
73	Further comments on the distribution of acridine orange fluorescence in <i>P. falciparum</i> infected erythrocytes. <i>Molecular and Biochemical Parasitology</i> , 2002, 119, 311-313.	0.5	16
74	The pH of the <i>Plasmodium falciparum</i> digestive vacuole: holy grail or dead-end trail?. <i>Trends in Parasitology</i> , 2002, 18, 441-444.	1.5	32
75	Multi-parameter analysis of the kinetics of NF-kappaB signalling and transcription in single living cells. <i>Journal of Cell Science</i> , 2002, 115, 1137-48.	1.2	92
76	Characterization of the ethanol-inducible alc gene-expression system in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2001, 28, 225-235.	2.8	198
77	In vivo localisation and stability of human Mcl-1 using green fluorescent protein (GFP) fusion proteins. <i>FEBS Letters</i> , 2000, 478, 72-76.	1.3	79
78	Edible Mushroom (<i>Agaricus bisporus</i>) Lectin, Which Reversibly Inhibits Epithelial Cell Proliferation, Blocks Nuclear Localization Sequence-dependent Nuclear Protein Import. <i>Journal of Biological Chemistry</i> , 1999, 274, 4890-4899.	1.6	97