

Pawel Paszek

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

2,503
citations

279798

23
h-index

454955

30
g-index

38
all docs

38
docs citations

38
times ranked

3433
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of Sensitivity Analysis to Discover Potential Molecular Drug Targets. International Journal of Molecular Sciences, 2022, 23, 6604.	4.1	3
2	Gene-Specific Linear Trends Constrain Transcriptional Variability of the Toll-like Receptor Signaling. Cell Systems, 2020, 11, 300-314.e8.	6.2	14
3	Heat shock response regulates stimulus-specificity and sensitivity of the pro-inflammatory NF- κ B signalling. Cell Communication and Signaling, 2020, 18, 77.	6.5	10
4	Macrophage-Specific NF- κ B Activation Dynamics Can Segregate Inflammatory Bowel Disease Patients. Frontiers in Immunology, 2019, 10, 2168.	4.8	31
5	Quantitative analysis reveals crosstalk mechanisms of heat shock-induced attenuation of NF- κ B signaling at the single cell level. PLoS Computational Biology, 2018, 14, e1006130.	3.2	17
6	Quantitative analysis of competitive cytokine signaling predicts tissue thresholds for the propagation of macrophage activation. Science Signaling, 2018, 11, .	3.6	55
7	Integration of Kinase and Calcium Signaling at the Level of Chromatin Underlies Inducible Gene Activation in T Cells. Journal of Immunology, 2017, 199, 2652-2667.	0.8	51
8	Anti-inflammatory effects of infliximab in mice are independent of tumour necrosis factor κ neutralization. Clinical and Experimental Immunology, 2017, 187, 225-233.	2.6	25
9	Stochasticity in the miR-9/Hes1 oscillatory network can account for clonal heterogeneity in the timing of differentiation. ELife, 2016, 5, .	6.0	40
10	Signal transduction controls heterogeneous NF- κ B dynamics and target gene expression through cytokine-specific refractory states. Nature Communications, 2016, 7, 12057.	12.8	80
11	Investigating IL-1 β Secretion Using Real-Time Single-Cell Imaging. Methods in Molecular Biology, 2016, 1417, 75-88.	0.9	0
12	Fenamate NSAIDs inhibit the NLRP3 inflammasome and protect against Alzheimer's disease in rodent models. Nature Communications, 2016, 7, 12504.	12.8	328
13	Inflammasome-dependent IL-1 β release depends upon membrane permeabilisation. Cell Death and Differentiation, 2016, 23, 1219-1231.	11.2	214
14	Dynamic NF- κ B and E2F interactions control the priority and timing of inflammatory signalling and cell proliferation. ELife, 2016, 5, .	6.0	50
15	Quantitative dynamic imaging of immune cell signalling using lentiviral gene transfer. Integrative Biology (United Kingdom), 2015, 7, 713-725.	1.3	40
16	A method of "speed coefficients" for biochemical model reduction applied to the NF- κ B system. Journal of Mathematical Biology, 2015, 70, 591-620.	1.9	14
17	From measuring noise toward integrated single-cell biology. Frontiers in Genetics, 2014, 5, 408.	2.3	3
18	A systematic survey of the response of a model NF- κ B signalling pathway to TNF stimulation. Journal of Theoretical Biology, 2012, 297, 137-147.	1.7	25

#	ARTICLE	IF	CITATIONS
19	Interactions among oscillatory pathways in NF-kappa B signaling. BMC Systems Biology, 2011, 5, 23.	3.0	30
20	Population robustness arising from cellular heterogeneity. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 11644-11649.	7.1	172
21	Dynamic organisation of prolactin gene expression in living pituitary tissue. Journal of Cell Science, 2010, 123, 424-430.	2.0	45
22	Physiological levels of TNF α stimulation induce stochastic dynamics of NF- κ B responses in single living cells. Journal of Cell Science, 2010, 123, 2834-2843.	2.0	102
23	Oscillatory control of signalling molecules. Current Opinion in Genetics and Development, 2010, 20, 670-676.	3.3	43
24	Pulsatile Stimulation Determines Timing and Specificity of NF- κ B-Dependent Transcription. Science, 2009, 324, 242-246.	12.6	510
25	Single TNF α trimers mediating NF- κ B activation: stochastic robustness of NF- κ B signaling. BMC Bioinformatics, 2007, 8, 376.	2.6	60
26	How the Number of Alleles Influences Gene Expression. Journal of Statistical Physics, 2007, 128, 511-533.	1.2	13
27	Modeling Stochasticity in Gene Regulation: Characterization in the Terms of the Underlying Distribution Function. Bulletin of Mathematical Biology, 2007, 69, 1567-1601.	1.9	33
28	Stochastic Regulation in Early Immune Response. Biophysical Journal, 2006, 90, 725-742.	0.5	86
29	Transcriptional stochasticity in gene expression. Journal of Theoretical Biology, 2006, 238, 348-367.	1.7	120
30	Stochastic effects of multiple regulators on expression profiles in eukaryotes. Journal of Theoretical Biology, 2005, 233, 423-433.	1.7	24
31	Mathematical model of NF- κ B regulatory module. Journal of Theoretical Biology, 2004, 228, 195-215.	1.7	264