Naama Barkai

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3565925/publications.pdf

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28 papers	1,649 citations	361413 20 h-index	501196 28 g-index
37 all docs	37 docs citations	37 times ranked	2187 citing authors

#	Article	IF	Citations
1	Pre-Steady-State Decoding of the Bicoid Morphogen Gradient. PLoS Biology, 2007, 5, e46.	5.6	183
2	Noise Propagation and Signaling Sensitivity in Biological Networks: A Role for Positive Feedback. PLoS Computational Biology, 2008, 4, e8.	3.2	180
3	Principles of cellular resource allocation revealed by condition-dependent proteome profiling. ELife, 2017, 6, .	6.0	174
4	Comparative Gene Expression Analysis by a Differential Clustering Approach: Application to the Candida albicans Transcription Program. PLoS Genetics, 2005, 1, e39.	3.5	124
5	Variability and Robustness in Biomolecular Systems. Molecular Cell, 2007, 28, 755-760.	9.7	106
6	Expression homeostasis during DNA replication. Science, 2016, 351, 1087-1090.	12.6	101
7	The Competitive Advantage of a Dual-Transporter System. Science, 2011, 334, 1408-1412.	12.6	74
8	Scaling of morphogen gradients. Current Opinion in Genetics and Development, 2011, 21, 704-710.	3.3	74
9	Strategy of Transcription Regulation in the Budding Yeast. PLoS ONE, 2007, 2, e250.	2.5	67
10	Systematic identification of cell size regulators in budding yeast. Molecular Systems Biology, 2014, 10, 761.	7.2	67
11	Resolving noiseâ€“control conflict by gene duplication. PLoS Biology, 2019, 17, e3000289.	5.6	60
12	Comparative biology: beyond sequence analysis. Current Opinion in Biotechnology, 2007, 18, 371-377.	6.6	45
13	Coordination of gene expression with growth rate: A feedback or a feedâ€forward strategy?. FEBS Letters, 2009, 583, 3974-3978.	2.8	39
14	Robust selection of sensory organ precursors by the Notchâ€“Delta pathway. Current Opinion in Cell Biology, 2011, 23, 663-667.	5.4	38
15	A WntD-Dependent Integral Feedback Loop Attenuates Variability in Drosophila Toll Signaling. Developmental Cell, 2016, 36, 401-414.	7.0	36
16	Buffering Global Variability of Morphogen Gradients. Developmental Cell, 2017, 40, 429-438.	7.0	36
17	Evolution of binding preferences among whole-genome duplicated transcription factors. ELife, 2022, 11, .	6.0	34
18	â€˜Big frog, small frogâ€™â€“ maintaining proportions in embryonic development. FEBS Journal, 2009, 276, 1196-1207.	4.7	31

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19	A repressor-decay timer for robust temporal patterning in embryonic Drosophila neuroblast lineages. ELife, 2018, 7, .	6.0	31
20	Hybrid vigor: The best of both parents, or a genomic clash?. Current Opinion in Systems Biology, 2017, 6, 22-27.	2.6	27
21	Scaling of dorsalâ€ventral patterning in the Xenopus laevis embryo. BioEssays, 2014, 36, 151-156.	2.5	24
22	Disentangling signaling gradients generated by equivalent sources. Journal of Biological Physics, 2012, 38, 267-278.	1.5	20
23	Coordination of Gene Expression and Growth-Rate in Natural Populations of Budding Yeast. PLoS ONE, 2014, 9, e88801.	2.5	17
24	Dynamics of Spaetzle morphogen shuttling in the Drosophila embryo shapes gastrulation patterning. Development (Cambridge), 2019, 146, .	2.5	16
25	Measurement of histone replacement dynamics with genetically encoded exchange timers in yeast. Nature Biotechnology, 2021, 39, 1434-1443.	17.5	15
26	Gene Transcription as a Limiting Factor in Protein Production and Cell Growth. G3: Genes, Genomes, Genetics, 2020, 10, 3229-3242.	1.8	12
27	Loss of growth homeostasis by genetic decoupling of cell division from biomass growth: implication for size control mechanisms. Molecular Systems Biology, 2014, 10, 769.	7.2	11
28	Rtt109 promotes nucleosome replacement ahead of the replication fork. Genome Research, 2022, 32, 1089-1098.	5.5	1