

Onn Brandman

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

6,531
citations

430874

18
h-index

580821

25
g-index

35
all docs

35
docs citations

35
times ranked

9994
citing authors

#	ARTICLE	IF	CITATIONS
1	CRISPR-Mediated Modular RNA-Guided Regulation of Transcription in Eukaryotes. <i>Cell</i> , 2013, 154, 442-451.	28.9	3,012
2	STIM2 Is a Feedback Regulator that Stabilizes Basal Cytosolic and Endoplasmic Reticulum Ca ²⁺ Levels. <i>Cell</i> , 2007, 131, 1327-1339.	28.9	604
3	A Ribosome-Bound Quality Control Complex Triggers Degradation of Nascent Peptides and Signals Translation Stress. <i>Cell</i> , 2012, 151, 1042-1054.	28.9	536
4	Interlinked Fast and Slow Positive Feedback Loops Drive Reliable Cell Decisions. <i>Science</i> , 2005, 310, 496-498.	12.6	421
5	Feedback Loops Shape Cellular Signals in Space and Time. <i>Science</i> , 2008, 322, 390-395.	12.6	415
6	Ribosome-associated protein quality control. <i>Nature Structural and Molecular Biology</i> , 2016, 23, 7-15.	8.2	347
7	Rqc2p and 60S ribosomal subunits mediate mRNA-independent elongation of nascent chains. <i>Science</i> , 2015, 347, 75-78.	12.6	245
8	Functional Repurposing Revealed by Comparing <i>S. pombe</i> and <i>S. cerevisiae</i> Genetic Interactions. <i>Cell</i> , 2012, 149, 1339-1352.	28.9	154
9	Asc1, Hel2, and Slh1 couple translation arrest to nascent chain degradation. <i>Rna</i> , 2017, 23, 798-810.	3.5	113
10	Molecular phenotyping of aging in single yeast cells using a novel microfluidic device. <i>Aging Cell</i> , 2012, 11, 599-606.	6.7	103
11	Cellular Control of Viscosity Counters Changes in Temperature and Energy Availability. <i>Cell</i> , 2020, 183, 1572-1585.e16.	28.9	98
12	Single Cell Analysis of Yeast Replicative Aging Using a New Generation of Microfluidic Device. <i>PLoS ONE</i> , 2012, 7, e48275.	2.5	93
13	CAT tails drive degradation of stalled polypeptides on and off the ribosome. <i>Nature Structural and Molecular Biology</i> , 2019, 26, 450-459.	8.2	75
14	Detection and Degradation of Stalled Nascent Chains via Ribosome-Associated Quality Control. <i>Annual Review of Biochemistry</i> , 2020, 89, 417-442.	11.1	60
15	MISTERMINATE Mechanistically Links Mitochondrial Dysfunction with Proteostasis Failure. <i>Molecular Cell</i> , 2019, 75, 835-848.e8.	9.7	56
16	Protein Evolution in the Context of <i>Drosophila</i> Development. <i>Journal of Molecular Evolution</i> , 2005, 60, 774-785.	1.8	54
17	Chaperone-mediated reflux of secretory proteins to the cytosol during endoplasmic reticulum stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 11291-11298.	7.1	36
18	Crawler-Friendly Web Servers. <i>Performance Evaluation Review</i> , 2000, 28, 9-14.	0.6	35

#	ARTICLE	IF	CITATIONS
19	Aggregation of CAT tails blocks their degradation and causes proteotoxicity in <i>S. cerevisiae</i> . PLoS ONE, 2020, 15, e0227841.	2.5	18
20	Quantification of Hsp90 availability reveals differential coupling to the heat shock response. Journal of Cell Biology, 2018, 217, 3809-3816.	5.2	15
21	ReporterSeq reveals genome-wide dynamic modulators of the heat shock response across diverse stressors. ELife, 2021, 10, .	6.0	9
22	Adaptability of the ubiquitin-proteasome system to proteolytic and folding stressors. Journal of Cell Biology, 2021, 220, .	5.2	8
23	Protein products of nonstop mRNA disrupt nucleolar homeostasis. Cell Stress and Chaperones, 2021, 26, 549-561.	2.9	7
24	Primordial Protein Tails. Molecular Cell, 2021, 81, 6-7.	9.7	2
25	Sis1 delivers the State of the Union. Journal of Cell Biology, 2021, 220, .	5.2	1
26	Finding the Right Finish Line in Eukaryotic Transcription. Biochemistry, 2019, 58, 4335-4336.	2.5	0
27	Viscoadaptation Controls Diffusion and Intracellular Reaction Rates in Response to Heat and Energy Availability. Biophysical Journal, 2020, 118, 134a.	0.5	0