

Galit Lahav

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

7,324
citations

159585

30
h-index

168389

53
g-index

56
all docs

56
docs citations

56
times ranked

8512
citing authors

#	ARTICLE	IF	CITATIONS
1	Louder for longer: Myc amplifies gene expression by extended transcriptional bursting. <i>Cell Reports</i> , 2022, 38, 110470.	6.4	2
2	Time-series transcriptomics and proteomics reveal alternative modes to decode p53 oscillations. <i>Molecular Systems Biology</i> , 2022, 18, e10588.	7.2	16
3	Principles, mechanisms and functions of entrainment in biological oscillators. <i>Interface Focus</i> , 2022, 12, 20210088.	3.0	11
4	Reading oscillatory instructions: How cells achieve time-dependent responses to oscillating transcription factors. <i>Current Opinion in Cell Biology</i> , 2022, 77, 102099.	5.4	3
5	p53 dynamics vary between tissues and are linked with radiation sensitivity. <i>Nature Communications</i> , 2021, 12, 898.	12.8	32
6	Connecting Timescales in Biology: Can Early Dynamical Measurements Predict Long-Term Outcomes?. <i>Trends in Cancer</i> , 2021, 7, 301-308.	7.4	4
7	Preparing macrophages for the future. <i>Science</i> , 2021, 372, 1263-1264.	12.6	3
8	Abstract 2159: Oscillating p53 temporal dynamics enable proliferative recovery of cells following DNA damage. , 2021, , .		0
9	Cycling cancer persister cells arise from lineages with distinct programs. <i>Nature</i> , 2021, 596, 576-582.	27.8	236
10	The effect of dust storm particles on single human lung cancer cells. <i>Environmental Research</i> , 2020, 181, 108891.	7.5	37
11	A Switch in p53 Dynamics Marks Cells That Escape from DSB-Induced Cell Cycle Arrest. <i>Cell Reports</i> , 2020, 32, 107995.	6.4	39
12	Quantifying the Central Dogma in the p53 Pathway in Live Single Cells. <i>Cell Systems</i> , 2020, 10, 495-505.e4.	6.2	28
13	The effects of proliferation status and cell cycle phase on the responses of single cells to chemotherapy. <i>Molecular Biology of the Cell</i> , 2020, 31, 845-857.	2.1	29
14	Identification of universal and cell-type specific p53 DNA binding. <i>BMC Molecular and Cell Biology</i> , 2020, 21, 5.	2.0	14
15	The multiple mechanisms that regulate p53 activity and cell fate. <i>Nature Reviews Molecular Cell Biology</i> , 2019, 20, 199-210.	37.0	711
16	Inferring Leading Interactions in the p53/Mdm2/Mdmx Circuit through Live-Cell Imaging and Modeling. <i>Cell Systems</i> , 2019, 9, 548-558.e5.	6.2	16
17	A probabilistic approach to joint cell tracking and segmentation in high-throughput microscopy videos. <i>Medical Image Analysis</i> , 2018, 47, 140-152.	11.6	28
18	Leveraging and coping with uncertainty in the response of individual cells to therapy. <i>Current Opinion in Biotechnology</i> , 2018, 51, 109-115.	6.6	17

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19	Fully unsupervised symmetry-based mitosis detection in time-lapse cell microscopy. <i>Bioinformatics</i> , 2018, 35, 2644-2653.	4.1	7
20	Hidden heterogeneity and circadian-controlled cell fate inferred from single cell lineages. <i>Nature Communications</i> , 2018, 9, 5372.	12.8	48
21	Fluctuations in p53 Signaling Allow Escape from Cell-Cycle Arrest. <i>Molecular Cell</i> , 2018, 71, 581-591.e5.	9.7	108
22	The Single-Cell Yin and Yang of Live Imaging and Transcriptomics. <i>Cell Systems</i> , 2017, 4, 375-377.	6.2	1
23	p53 dynamics in response to DNA damage vary across cell lines and are shaped by efficiency of DNA repair and activity of the kinase ATM. <i>Science Signaling</i> , 2017, 10, .	3.6	78
24	Integrating genomic information and signaling dynamics for efficient cancer therapy. <i>Current Opinion in Systems Biology</i> , 2017, 1, 38-43.	2.6	1
25	Conservation and Divergence of p53 Oscillation Dynamics across Species. <i>Cell Systems</i> , 2017, 5, 410-417.e4.	6.2	43
26	p53 pulses lead to distinct patterns of gene expression albeit similar DNA-binding dynamics. <i>Nature Structural and Molecular Biology</i> , 2017, 24, 840-847.	8.2	83
27	The puzzling interplay between p53 and Sp1. <i>Aging</i> , 2017, 9, 1355-1356.	3.1	10
28	Cell-to-Cell Variation in p53 Dynamics Leads to Fractional Killing. <i>Cell</i> , 2016, 165, 631-642.	28.9	253
29	Two is better than one; toward a rational design of combinatorial therapy. <i>Current Opinion in Structural Biology</i> , 2016, 41, 145-150.	5.7	47
30	Dynamics of CDKN1A in Single Cells Defined by an Endogenous Fluorescent Tagging Toolkit. <i>Cell Reports</i> , 2016, 14, 1800-1811.	6.4	85
31	Schedule-dependent interaction between anticancer treatments. <i>Science</i> , 2016, 351, 1204-1208.	12.6	62
32	p53 elevation in human cells halt SV40 infection by inhibiting T-ag expression. <i>Oncotarget</i> , 2016, 7, 52643-52660.	1.8	11
33	Single-cell analysis of circadian dynamics in tissue explants. <i>Molecular Biology of the Cell</i> , 2015, 26, 3940-3945.	2.1	18
34	Constant rate of p53 tetramerization in response to DNA damage controls the p53 response. <i>Molecular Systems Biology</i> , 2014, 10, 753.	7.2	31
35	Stem cells: balancing resistance and sensitivity to DNA damage. <i>Trends in Cell Biology</i> , 2014, 24, 268-274.	7.9	66
36	High Mitochondrial Priming Sensitizes hESCs to DNA-Damage-Induced Apoptosis. <i>Cell Stem Cell</i> , 2013, 13, 483-491.	11.1	136

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37	The p53 response in single cells is linearly correlated to the number of DNA breaks without a distinct threshold. <i>BMC Biology</i> , 2013, 11, 114.	3.8	65
38	Activation and control of p53 tetramerization in individual living cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 15497-15501.	7.1	106
39	Encoding and Decoding Cellular Information through Signaling Dynamics. <i>Cell</i> , 2013, 152, 945-956.	28.9	725
40	Dynamics extracted from fixed cells reveal feedback linking cell growth to cell cycle. <i>Nature</i> , 2013, 494, 480-483.	27.8	275
41	Dynamics of the DNA damage response: insights from live-cell imaging. <i>Briefings in Functional Genomics</i> , 2013, 12, 109-117.	2.7	16
42	Quantitative Live Cell Imaging Reveals a Gradual Shift between DNA Repair Mechanisms and a Maximal Use of HR in Mid S Phase. <i>Molecular Cell</i> , 2012, 47, 320-329.	9.7	316
43	p53 Dynamics Control Cell Fate. <i>Science</i> , 2012, 336, 1440-1444.	12.6	655
44	We are all individuals: causes and consequences of non-genetic heterogeneity in mammalian cells. <i>Current Opinion in Genetics and Development</i> , 2011, 21, 753-758.	3.3	66
45	Stimulus-dependent dynamics of p53 in single cells. <i>Molecular Systems Biology</i> , 2011, 7, 488.	7.2	283
46	How To Survive and Thrive in the Mother-Mentor Marathon. <i>Molecular Cell</i> , 2010, 38, 477-480.	9.7	6
47	Basal Dynamics of p53 Reveal Transcriptionally Attenuated Pulses in Cycling Cells. <i>Cell</i> , 2010, 142, 89-100.	28.9	223
48	The ups and downs of p53: understanding protein dynamics in single cells. <i>Nature Reviews Cancer</i> , 2009, 9, 371-377.	28.4	208
49	Recurrent Initiation: A Mechanism for Triggering p53 Pulses in Response to DNA Damage. <i>Molecular Cell</i> , 2008, 30, 277-289.	9.7	383
50	Oscillations by the p53-Mdm2 Feedback Loop. <i>Advances in Experimental Medicine and Biology</i> , 2008, 641, 28-38.	1.6	61
51	Dynamic proteomics in individual human cells uncovers widespread cell-cycle dependence of nuclear proteins. <i>Nature Methods</i> , 2006, 3, 525-531.	19.0	125
52	Oscillations and variability in the p53 system. <i>Molecular Systems Biology</i> , 2006, 2, 2006.0033.	7.2	539
53	Dynamics of the p53-Mdm2 feedback loop in individual cells. <i>Nature Genetics</i> , 2004, 36, 147-150.	21.4	900
54	The Strength of Indecisiveness: Oscillatory Behavior for Better Cell Fate Determination. <i>Science Signaling</i> , 2004, 2004, pe55-pe55.	3.6	53