Feng Liu

List of Publications by Year in descending order

36	1,376	18	36
papers	citations	h-index	g-index
		430874	345221

36	36	36	1452
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Modularization of grid cells constrained by the pyramidal patch lattice. IScience, 2021, 24, 102301.	4.1	2
2	Background synaptic input modulates the visuospatial working memory. Physical Review E, 2021, 104, 024416.	2.1	4
3	Synaptic mechanisms for motor variability in a feedforward network. Science Advances, 2020, 6, .	10.3	15
4	Gene transcription in bursting: a unified mode for realizing accuracy and stochasticity. Biological Reviews, 2019, 94, 248-258.	10.4	37
5	Modeling the regulation of p53 activation by HIFâ€1 upon hypoxia. FEBS Letters, 2019, 593, 2596-2611.	2.8	39
6	Roles of cellular heterogeneity, intrinsic and extrinsic noise in variability of p53 oscillation. Scientific Reports, 2019, 9, 5883.	3.3	15
7	Regulation of Tip60â€dependent p53 acetylation in cell fate decision. FEBS Letters, 2019, 593, 13-22.	2.8	8
8	Modulation of dynamic modes by interplay between positive and negative feedback loops in gene regulatory networks. Physical Review E, 2018, 97, 042412.	2.1	15
9	Cell typeâ€“dependent bimodal p53 activation engenders a dynamic mechanism of chemoresistance. Science Advances, 2018, 4, eaat5077.	10.3	28
10	Modeling the crosstalk between the circadian clock and ROS in Neurospora crassa. Journal of Theoretical Biology, 2018, 458, 125-132.	1.7	5
11	Modeling the response of a tumor-suppressive network to mitogenic and oncogenic signals. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 5337-5342.	7.1	24
12	Kinetics of transcription initiation directed by multiplecis-regulatory elements on theglnAp2promoter. Nucleic Acids Research, 2016, 44, 10530-10538.	14.5	7
13	Impact of time delays on oscillatory dynamics of interlinked positive and negative feedback loops. Physical Review E, 2016, 94, 052413.	2.1	10
14	Realization of tristability in a multiplicatively coupled dual-loop genetic network. Scientific Reports, 2016, 6, 28096.	3.3	15
15	Modeling the interplay between the HIF-1 and p53 pathways in hypoxia. Scientific Reports, 2015, 5, 13834.	3.3	60
16	Structured Synaptic Inhibition Has a Critical Role in Multiple-Choice Motion-Discrimination Tasks. Journal of Neuroscience, 2014, 34, 13444-13457.	3.6	5
17	Reconciling the concurrent fast and slow cycling of proteins on gene promoters. Journal of the Royal Society Interface, 2014, 11, 20140253.	3.4	7
18	Involvement of miR-605 and miR-34a in the DNA Damage Response Promotes Apoptosis Induction. Biophysical Journal, 2014, 106, 1792-1800.	0.5	20

#	Article	IF	Citations
19	A switchâ€like dynamic mechanism for the initiation of replicative senescence. FEBS Letters, 2014, 588, 4369-4374.	2.8	2
20	Interplay between Mdm2 and HIPK2 in the DNA damage response. Journal of the Royal Society Interface, 2014, 11, 20140319.	3.4	13
21	Coordination between p21 and DDB2 in the Cellular Response to UV Radiation. PLoS ONE, 2013, 8, e80111.	2.5	14
22	Dynamic Mechanism for the Transcription Apparatus Orchestrating Reliable Responses to Activators. Scientific Reports, 2012, 2, 422.	3.3	14
23	Regulation of the DNA Damage Response by p53 Cofactors. Biophysical Journal, 2012, 102, 2251-2260.	0.5	28
24	A Two-Step Mechanism for Cell Fate Decision by Coordination of Nuclear and Mitochondrial p53 Activities. PLoS ONE, 2012, 7, e38164.	2.5	31
25	Two-phase dynamics of p53 in the DNA damage response. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 8990-8995.	7.1	275
26	Coordination between Cell Cycle Progression and Cell Fate Decision by the p53 and E2F1 Pathways in Response to DNA Damage. Journal of Biological Chemistry, 2010, 285, 31571-31580.	3.4	56
27	Coordination of the Nuclear and Cytoplasmic Activities of p53 in Response to DNA Damage. Biophysical Journal, 2010, 99, 1696-1705.	0.5	22
28	Interlinking positive and negative feedback loops creates a tunable motif in gene regulatory networks. Physical Review E, 2009, 80, 011926.	2.1	95
29	Signal propagation through feedforward neuronal networks with different operational modes. Europhysics Letters, 2009, 85, 38006.	2.0	11
30	Cell fate decision mediated by p53 pulses. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 12245-12250.	7.1	211
31	Reversible Phosphorylation Subserves Robust Circadian Rhythms by Creating a Switch in Inactivating the Positive Element. Biophysical Journal, 2009, 97, 2867-2875.	0.5	9
32	Robustness analysis of cellular memory in an autoactivating positive feedback system. FEBS Letters, 2008, 582, 3776-3782.	2.8	42
33	A Common Cortical Circuit Mechanism for Perceptual Categorical Discrimination and Veridical Judgment. PLoS Computational Biology, 2008, 4, e1000253.	3.2	24
34	Linking fast and slow positive feedback loops creates an optimal bistable switch in cell signaling. Physical Review E, 2007, 76, 031924.	2.1	41
35	Propagation of Firing Rate in a Feed-Forward Neuronal Network. Physical Review Letters, 2006, 96, 018103.	7.8	75
36	Resonance-enhanced signal detection and transduction in the Hodgkin-Huxley neuronal systems. Physical Review E, 2001, 63, 021907.	2.1	97