

Xiao-Peng Zhang

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25
papers

845
citations

13
h-index

25
g-index

25
ext. papers

982
ext. citations

3.8
avg, IF

4.13
L-index

#	Paper	IF	Citations
25	Two-phase dynamics of p53 in the DNA damage response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 8990-5	11.5	215
24	Cell fate decision mediated by p53 pulses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 12245-50	11.5	183
23	Interlinking positive and negative feedback loops creates a tunable motif in gene regulatory networks. <i>Physical Review E</i> , 2009 , 80, 011926	2.4	82
22	Modeling the interplay between the HIF-1 and p53 pathways in hypoxia. <i>Scientific Reports</i> , 2015 , 5, 13834.9	4.9	48
21	Coordination between cell cycle progression and cell fate decision by the p53 and E2F1 pathways in response to DNA damage. <i>Journal of Biological Chemistry</i> , 2010 , 285, 31571-80	5.4	44
20	Linking fast and slow positive feedback loops creates an optimal bistable switch in cell signaling. <i>Physical Review E</i> , 2007 , 76, 031924	2.4	34
19	A two-step mechanism for cell fate decision by coordination of nuclear and mitochondrial p53 activities. <i>PLoS ONE</i> , 2012 , 7, e38164	3.7	31
18	Robustness analysis of cellular memory in an autoactivating positive feedback system. <i>FEBS Letters</i> , 2008 , 582, 3776-82	3.8	30
17	Regulation of the DNA damage response by p53 cofactors. <i>Biophysical Journal</i> , 2012 , 102, 2251-60	2.9	22
16	Modeling the regulation of p53 activation by HIF-1 upon hypoxia. <i>FEBS Letters</i> , 2019 , 593, 2596-2611	3.8	20
15	Modeling the response of a tumor-suppressive network to mitogenic and oncogenic signals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 5337-5342	11.5	18
14	Involvement of miR-605 and miR-34a in the DNA damage response promotes apoptosis induction. <i>Biophysical Journal</i> , 2014 , 106, 1792-800	2.9	18
13	Coordination of the nuclear and cytoplasmic activities of p53 in response to DNA damage. <i>Biophysical Journal</i> , 2010 , 99, 1696-705	2.9	18
12	Stochastic resonance in multidimensional periodic potential. <i>Surface Science</i> , 2003 , 540, 145-152	1.8	11
11	Coordination of miR-192 and miR-22 in p53-Mediated Cell Fate Decision. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	10
10	Interplay between Mdm2 and HIPK2 in the DNA damage response. <i>Journal of the Royal Society Interface</i> , 2014 , 11,	4.1	10
9	Coordination between p21 and DDB2 in the cellular response to UV radiation. <i>PLoS ONE</i> , 2013 , 8, e80111.7	3.7	10

8	Modulation of dynamic modes by interplay between positive and negative feedback loops in gene regulatory networks. <i>Physical Review E</i> , 2018 , 97, 042412	2.4	9
7	Reversible phosphorylation subserves robust circadian rhythms by creating a switch in inactivating the positive element. <i>Biophysical Journal</i> , 2009 , 97, 2867-75	2.9	9
6	Anomalous heat conductivity induced by finite size and non-Markovian dynamics. <i>Physical Review E</i> , 2006 , 73, 061103	2.4	8
5	Regulation of Tip60-dependent p53 acetylation in cell fate decision. <i>FEBS Letters</i> , 2019 , 593, 13-22	3.8	7
4	The birhythmicity increases the diversity of p53 oscillation induced by DNA damage. <i>Chinese Physics B</i> , 2017 , 26, 128709	1.2	3
3	Negative Resistance in a Two-Dimensional System with Entropic Barrier. <i>Chinese Physics Letters</i> , 2005 , 22, 283-286	1.8	3
2	Orchestration of lincRNA-p21 and miR-155 in Modulating the Adaptive Dynamics of HIF-1 α <i>Frontiers in Genetics</i> , 2020 , 11, 871	4.5	1
1	Regulation of epithelial-to-mesenchymal transition in hypoxia by the HIF-1 α network.. <i>FEBS Letters</i> , 2021 ,	3.8	1