

Xiu-Deng Zheng

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7728176/publications.pdf>

Version: 2024-02-01

36
papers

712
citations

516710

16
h-index

552781

26
g-index

36
all docs

36
docs citations

36
times ranked

875
citing authors

#	ARTICLE	IF	CITATIONS
1	Costly punishment does not always increase cooperation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 17448-17451.	7.1	128
2	Dynamic transcriptional symmetry-breaking in pre-implantation mammalian embryo development revealed by single-cell RNA-seq. <i>Development (Cambridge)</i> , 2015, 142, 3468-77.	2.5	75
3	Cell-surface localization of Pellino antagonizes Toll-mediated innate immune signalling by controlling MyD88 turnover in <i>Drosophila</i> . <i>Nature Communications</i> , 2014, 5, 3458.	12.8	63
4	Activation of Smurf E3 Ligase Promoted by Smoothed Regulates Hedgehog Signaling through Targeting Patched Turnover. <i>PLoS Biology</i> , 2013, 11, e1001721.	5.6	42
5	Bistability, Probability Transition Rate and First-Passage Time in an Autoactivating Positive-Feedback Loop. <i>PLoS ONE</i> , 2011, 6, e17104.	2.5	39
6	The Niche-Dependent Feedback Loop Generates a BMP Activity Gradient to Determine the Germline Stem Cell Fate. <i>Current Biology</i> , 2012, 22, 515-521.	3.9	39
7	6mA-DNA-binding factor Jumu controls maternal-to-zygotic transition upstream of Zelda. <i>Nature Communications</i> , 2019, 10, 2219.	12.8	37
8	Effect of feedback regulation on stochastic gene expression. <i>Journal of Theoretical Biology</i> , 2007, 247, 827-836.	1.7	35
9	Organizer-derived Bmp2 is required for the formation of a correct Bmp activity gradient during embryonic development. <i>Nature Communications</i> , 2014, 5, 3766.	12.8	30
10	Ci antagonizes Hippo signaling in the somatic cells of the ovary to drive germline stem cell differentiation. <i>Cell Research</i> , 2015, 25, 1152-1170.	12.0	30
11	Opting out against defection leads to stable coexistence with cooperation. <i>Scientific Reports</i> , 2016, 6, 35902.	3.3	25
12	A simple rule of direct reciprocity leads to the stable coexistence of cooperation and defection in the Prisoner's Dilemma game. <i>Journal of Theoretical Biology</i> , 2017, 420, 12-17.	1.7	24
13	A new method for quantifying genotyping errors for noninvasive genetic studies. <i>Conservation Genetics</i> , 2010, 11, 1567-1571.	1.5	18
14	Environmental Noise Could Promote Stochastic Local Stability of Behavioral Diversity Evolution. <i>Physical Review Letters</i> , 2018, 120, 218101.	7.8	18
15	Kinship as a frequency dependent strategy. <i>Royal Society Open Science</i> , 2016, 3, 150632.	2.4	17
16	Evolutionary stability concepts in a stochastic environment. <i>Physical Review E</i> , 2017, 96, 032414.	2.1	17
17	The Diffusion Approximation of Stochastic Evolutionary Game Dynamics: Mean Effective Fixation Time and the Significance of the One-Third Law. <i>Dynamic Games and Applications</i> , 2011, 1, 462-477.	1.9	14
18	Selection intensity and risk-dominant strategy: A two-strategy stochastic evolutionary game dynamics in finite population. <i>Applied Mathematics and Computation</i> , 2017, 297, 1-7.	2.2	10

#	ARTICLE	IF	CITATIONS
19	Limiting similarity of competitive species and demographic stochasticity. <i>Physical Review E</i> , 2017, 95, 042404.	2.1	8
20	Mortality risk promotes cooperation of wasps when paralyzing hosts. <i>Animal Behaviour</i> , 2021, 172, 135-144.	1.9	7
21	Stochastic replicator dynamics and evolutionary stability. <i>Physical Review E</i> , 2022, 105, 044403.	2.1	6
22	Additivity of noise propagation in a protein cascade. <i>Journal of Chemical Physics</i> , 2008, 128, 165104.	3.0	5
23	Effect of time-correlated noises on cell-fate induction. <i>Physical Review E</i> , 2018, 98, .	2.1	4
24	Cooperation evolves more when players keep the interaction with unknown players. <i>Applied Mathematics and Computation</i> , 2019, 350, 209-216.	2.2	4
25	Evolutionary game dynamics with non-uniform interaction rates in finite population. <i>Journal of Theoretical Biology</i> , 2022, 540, 111086.	1.7	4
26	Inclusive fitness and Hamilton's rule in a stochastic environment. <i>Theoretical Population Biology</i> , 2021, 142, 91-99.	1.1	2
27	Introduction of stochastic evolutionary stability. <i>Biodiversity Science</i> , 2020, 28, 1304-1310.	0.6	2
28	Noise-Induced Quasi-Heteroclinic Cycle in a Rock-Paper-Scissors Game with Random Payoffs. <i>Dynamic Games and Applications</i> , 2022, 12, 1280-1292.	1.9	2
29	Stochastic evolutionary stability in matrix games with random payoffs. <i>Physical Review E</i> , 2022, 105, 034303.	2.1	2
30	Effects of bidirectional regulation on noises in gene networks. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 2418.	2.8	1
31	A new concept: Epigenetic game theory. <i>Physics of Life Reviews</i> , 2017, 20, 155-157.	2.8	1
32	Weak selection can filter environmental noise in the evolution of animal behavior. <i>Physical Review E</i> , 2019, 100, 052411.	2.1	1
33	Hamilton's rule and kin competition in a finite kin population. <i>Journal of Theoretical Biology</i> , 2021, 529, 110862.	1.7	1
34	Stochastic Analysis of Gene Expression. <i>Methods in Molecular Biology</i> , 2011, 734, 123-151.	0.9	1
35	Stochastic fluctuations in frequency-dependent selection: A one-locus, two-allele and two-phenotype model. <i>Theoretical Population Biology</i> , 2008, 74, 263-272.	1.1	0
36	Transitions in the cell-fate induction induced by colored noise associated with the inductive stimulus. <i>Journal of Theoretical Biology</i> , 2020, 484, 110018.	1.7	0