Xiu-Deng Zheng

List of Publications by Year
in descending order

36	712	516710	552781
papers	citations	16	26
		h-index	g-index

36	36	36	875
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Noise-Induced Quasi-Heteroclinic Cycle in a Rock–Paper–Scissors Game with Random Payoffs. Dynamic Games and Applications, 2022, 12, 1280-1292.	1.9	2
2	Stochastic evolutionary stability in matrix games with random payoffs. Physical Review E, 2022, 105, 034303.	2.1	2
3	Evolutionary game dynamics with non-uniform interaction rates in finite population. Journal of Theoretical Biology, 2022, 540, 111086.	1.7	4
4	Stochastic replicator dynamics and evolutionary stability. Physical Review E, 2022, 105, 044403.	2.1	6
5	Mortality risk promotes cooperation of wasps when paralysing hosts. Animal Behaviour, 2021, 172, 135-144.	1.9	7
6	Hamilton's rule and kin competition in a finite kin population. Journal of Theoretical Biology, 2021, 529, 110862.	1.7	1
7	Inclusive fitness and Hamilton's rule in a stochastic environment. Theoretical Population Biology, 2021, 142, 91-99.	1.1	2
8	Transitions in the cell-fate induction induced by colored noise associated with the inductive stimulus. Journal of Theoretical Biology, 2020, 484, 110018.	1.7	0
9	Introduction of stochastic evolutionary stability. Biodiversity Science, 2020, 28, 1304-1310.	0.6	2
10	Cooperation evolves more when players keep the interaction with unknown players. Applied Mathematics and Computation, 2019, 350, 209-216.	2.2	4
11	6mA-DNA-binding factor Jumu controls maternal-to-zygotic transition upstream of Zelda. Nature Communications, 2019, 10, 2219.	12.8	37
12	Weak selection can filter environmental noise in the evolution of animal behavior. Physical Review E, 2019, 100, 052411.	2.1	1
13	Effect of time-correlated noises on cell-fate induction. Physical Review E, 2018, 98, .	2.1	4
14	Environmental Noise Could Promote Stochastic Local Stability of Behavioral Diversity Evolution. Physical Review Letters, 2018, 120, 218101.	7.8	18
15	A new concept: Epigenetic game theory. Physics of Life Reviews, 2017, 20, 155-157.	2.8	1
16	A simple rule of direct reciprocity leads to the stable coexistence of cooperation and defection in the Prisoner's Dilemma game. Journal of Theoretical Biology, 2017, 420, 12-17.	1.7	24
17	Selection intensity and risk-dominant strategy: A two-strategy stochastic evolutionary game dynamics in finite population. Applied Mathematics and Computation, 2017, 297, 1-7.	2.2	10
18	Evolutionary stability concepts in a stochastic environment. Physical Review E, 2017, 96, 032414.	2.1	17

#	ARTICLE	IF	CITATIONS
19	Limiting similarity of competitive species and demographic stochasticity. Physical Review E, 2017, 95, 042404.	2.1	8
20	Opting out against defection leads to stable coexistence with cooperation. Scientific Reports, 2016, 6, 35902.	3.3	25
21	Kinship as a frequency dependent strategy. Royal Society Open Science, 2016, 3, 150632.	2.4	17
22	Dynamic transcriptional symmetry-breaking in pre-implantation mammalian embryo development revealed by single-cell RNA-seq. Development (Cambridge), 2015, 142, 3468-77.	2.5	75
23	Ci antagonizes Hippo signaling in the somatic cells of the ovary to drive germline stem cell differentiation. Cell Research, 2015, 25, 1152-1170.	12.0	30
24	Cell-surface localization of Pellino antagonizes Toll-mediated innate immune signalling by controlling MyD88 turnover in Drosophila. Nature Communications, 2014, 5, 3458.	12.8	63
25	Organizer-derived Bmp2 is required for the formation of a correct Bmp activity gradient during embryonic development. Nature Communications, 2014, 5, 3766.	12.8	30
26	Activation of Smurf E3 Ligase Promoted by Smoothened Regulates Hedgehog Signaling through Targeting Patched Turnover. PLoS Biology, 2013, 11, e1001721.	5.6	42
27	The Niche-Dependent Feedback Loop Generates a BMP Activity Gradient to Determine the Germline Stem Cell Fate. Current Biology, 2012, 22, 515-521.	3.9	39
28	Bistability, Probability Transition Rate and First-Passage Time in an Autoactivating Positive-Feedback Loop. PLoS ONE, 2011, 6, e17104.	2.5	39
29	The Diffusion Approximation of Stochastic Evolutionary Game Dynamics: Mean Effective Fixation Time and the Significance of the One-Third Law. Dynamic Games and Applications, 2011, 1, 462-477.	1.9	14
30	Stochastic Analysis of Gene Expression. Methods in Molecular Biology, 2011, 734, 123-151.	0.9	1
31	A new method for quantifying genotyping errors for noninvasive genetic studies. Conservation Genetics, 2010, 11, 1567-1571.	1.5	18
32	Effects of bidirectional regulation on noises in gene networks. Physical Chemistry Chemical Physics, 2010, 12, 2418.	2.8	1
33	Costly punishment does not always increase cooperation. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 17448-17451.	7.1	128
34	Stochastic fluctuations in frequency-dependent selection: A one-locus, two-allele and two-phenotype model. Theoretical Population Biology, 2008, 74, 263-272.	1.1	0
35	Additivity of noise propagation in a protein cascade. Journal of Chemical Physics, 2008, 128, 165104.	3.0	5
36	Effect of feedback regulation on stochastic gene expression. Journal of Theoretical Biology, 2007, 247, 827-836.	1.7	35