

Yi Tao

List of Publications by Year in descending order

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104
papers

2,286
citations

218677

26
h-index

265206

42
g-index

104
all docs

104
docs citations

104
times ranked

2867
citing authors

#	ARTICLE	IF	CITATIONS
1	The replicator equation and other game dynamics. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10810-10817.	7.1	192
2	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
3	Toxicogenomic analysis of the hepatic effects of perfluorooctanoic acid on rare minnows (<i>Gobiocypris rarus</i>). Toxicology and Applied Pharmacology, 2008, 226, 285-297.	2.8	82
4	Valproic Acid Upregulates NKG2D Ligand Expression through an ERK-dependent Mechanism and Potentially Enhances NK Cell-mediated Lysis of Myeloma. Neoplasia, 2012, 14, 1178-1189.	5.3	77
5	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
6	Tracing the origin of heterogeneity and symmetry breaking in the early mammalian embryo. Nature Communications, 2018, 9, 1819.	12.8	72
7	Bruton Tyrosine Kinase Is a Therapeutic Target in Stem-like Cells from Multiple Myeloma. Cancer Research, 2015, 75, 594-604.	0.9	65
8	TRIP13 impairs mitotic checkpoint surveillance and is associated with poor prognosis in multiple myeloma. Oncotarget, 2017, 8, 26718-26731.	1.8	55
9	Pterostilbene induces apoptosis and cell cycle arrest in diffuse large B-cell lymphoma cells. Scientific Reports, 2016, 6, 37417.	3.3	54
10	Cooperation and evolutionary dynamics in the public goods game with institutional incentives. Journal of Theoretical Biology, 2012, 299, 144-151.	1.7	49
11	Reproductive competition between females in the matrilineal Mosuo of southwestern China. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20130081.	4.0	47
12	Bam-dependent deubiquitinase complex can disrupt germ-line stem cell maintenance by targeting cyclin A. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 6316-6321.	7.1	46
13	Differential Regulation of Prostaglandin Production Mediated by Corticotropin-Releasing Hormone Receptor Type 1 and Type 2 in Cultured Human Placental Trophoblasts. Endocrinology, 2008, 149, 2866-2876.	2.8	44
14	Activation of Smurf E3 Ligase Promoted by Smoothened Regulates Hedgehog Signaling through Targeting Patched Turnover. PLoS Biology, 2013, 11, e1001721.	5.6	42
15	Relationship between increase rate of human plague in China and global climate index as revealed by cross-spectral and cross-wavelet analyses. Integrative Zoology, 2007, 2, 144-153.	2.6	40
16	Intrinsic and external noise in an auto-regulatory genetic network. Journal of Theoretical Biology, 2004, 229, 147-156.	1.7	39
17	Bistability, Probability Transition Rate and First-Passage Time in an Autoactivating Positive-Feedback Loop. PLoS ONE, 2011, 6, e17104.	2.5	39
18	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

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19	The role of institutional incentives and the exemplar in promoting cooperation. Scientific Reports, 2014, 4, 6421.	3.3	39
20	Pterostilbene Inhibits Human Multiple Myeloma Cells via ERK1/2 and JNK Pathway In Vitro and In Vivo. International Journal of Molecular Sciences, 2016, 17, 1927.	4.1	39
21	Antitumor activity of fucoidan against diffuse large B cell lymphoma < i>in vitro< i> and < i>in vivo< i>. Acta Biochimica Et Biophysica Sinica, 2015, 47, 925-931.	2.0	37
22	6mA-DNA-binding factor Jumu controls maternal-to-zygotic transition upstream of Zelda. Nature Communications, 2019, 10, 2219.	12.8	37
23	External noise and feedback regulation: Steady-state statistics of auto-regulatory genetic network. Journal of Theoretical Biology, 2006, 243, 214-221.	1.7	35
24	Effect of feedback regulation on stochastic gene expression. Journal of Theoretical Biology, 2007, 247, 827-836.	1.7	35
25	Kinship underlies costly cooperation in Mosuo villages. Royal Society Open Science, 2018, 5, 171535.	2.4	31
26	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
27	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
28	Communal breeding promotes a matrilineal social system where husband and wife live apart. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20130010.	2.6	28
29	Carfilzomib enhances natural killer cell-mediated lysis of myeloma linked with decreasing expression of HLA class I. Oncotarget, 2015, 6, 26982-26994.	1.8	27
30	Stochastic fluctuations in gene expression far from equilibrium: $\hat{\mathcal{C}}$ expansion and linear noise approximation. Journal of Chemical Physics, 2005, 122, 124108.	3.0	26
31	Opting out against defection leads to stable coexistence with cooperation. Scientific Reports, 2016, 6, 35902.	3.3	25
32	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
33	Population structured by witchcraft beliefs. Nature Human Behaviour, 2018, 2, 39-44.	12.0	24
34	Stability analysis of a two-species model with transitions between population interactions. Journal of Theoretical Biology, 2007, 248, 145-153.	1.7	23
35	The dynamics of human behavior in the public goods game with institutional incentives. Scientific Reports, 2016, 6, 28809.	3.3	22
36	Arsenic trioxide-mediated growth inhibition of myeloma cells is associated with an extrinsic or intrinsic signaling pathway through activation of TRAIL or TRAIL receptor 2. Cancer Biology and Therapy, 2010, 10, 1201-1214.	3.4	21

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37	Myeloma cells resistance to NK cell lysis mainly involves an HLA class I-dependent mechanism. <i>Acta Biochimica Et Biophysica Sinica</i> , 2014, 46, 597-604.	2.0	21
38	Synergistic Activity of Carfilzomib and Panobinostat in Multiple Myeloma Cells via Modulation of ROS Generation and ERK1/2. <i>BioMed Research International</i> , 2015, 2015, 1-9.	1.9	21
39	Evolution of Conformity in Social Dilemmas. <i>PLoS ONE</i> , 2015, 10, e0137435.	2.5	21
40	Therapeutic potential and functional interaction of carfilzomib and vorinostat in T-cell leukemia/lymphoma. <i>Oncotarget</i> , 2016, 7, 29102-29115.	1.8	20
41	Overexpression of RPS27a contributes to enhanced chemoresistance of CML cells to imatinib by the transactivated STAT3. <i>Oncotarget</i> , 2016, 7, 18638-18650.	1.8	19
42	Not leaving home: grandmothers and male dispersal in a duolocal human society. <i>Behavioral Ecology</i> , 2016, 27, 1343-1352.	2.2	19
43	Intrinsic noise, gene regulation and steady-state statistics in a two-gene network. <i>Journal of Theoretical Biology</i> , 2004, 231, 563-568.	1.7	18
44	A new method for quantifying genotyping errors for noninvasive genetic studies. <i>Conservation Genetics</i> , 2010, 11, 1567-1571.	1.5	18
45	Environmental Noise Could Promote Stochastic Local Stability of Behavioral Diversity Evolution. <i>Physical Review Letters</i> , 2018, 120, 218101.	7.8	18
46	Regulation of Estradiol and Progesterone Production by CRH-R1 and -R2 Is through Divergent Signaling Pathways in Cultured Human Placental Trophoblasts. <i>Endocrinology</i> , 2012, 153, 4918-4928.	2.8	17
47	Kinship as a frequency dependent strategy. <i>Royal Society Open Science</i> , 2016, 3, 150632.	2.4	17
48	Evolutionary stability concepts in a stochastic environment. <i>Physical Review E</i> , 2017, 96, 032414.	2.1	17
49	Hepatokine Pregnancy Zone Protein Governs the Diet-Induced Thermogenesis Through Activating Brown Adipose Tissue. <i>Advanced Science</i> , 2021, 8, e2101991.	11.2	16
50	Proteasome inhibitor lactacystin augments natural killer cell cytotoxicity of myeloma via downregulation of HLA class I. <i>Biochemical and Biophysical Research Communications</i> , 2011, 415, 187-192.	2.1	15
51	Imitation dynamics with time delay. <i>Journal of Theoretical Biology</i> , 2017, 420, 8-11.	1.7	15
52	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
53	The jumping mechanism of flea beetles (Coleoptera, Chrysomelidae, Alticini), its application to bionics and preliminary design for a robotic jumping leg. <i>ZooKeys</i> , 2020, 915, 87-105.	1.1	14
54	Proteasome inhibitor carfilzomib interacts synergistically with histone deacetylase inhibitor vorinostat in Jurkat T-leukemia cells. <i>Acta Biochimica Et Biophysica Sinica</i> , 2014, 46, 484-491.	2.0	13

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55	Evolutionary Stability and the Evolution of Cooperation on Heterogeneous Graphs. <i>Dynamic Games and Applications</i> , 2016, 6, 567-579.	1.9	13
56	The blueberry component pterostilbene has potent anti-myeloma activity in bortezomib-resistant cells. <i>Oncology Reports</i> , 2017, 38, 488-496.	2.6	13
57	Stochastic Fluctuations Through Intrinsic Noise in Evolutionary Game Dynamics. <i>Bulletin of Mathematical Biology</i> , 2007, 69, 1377-1399.	1.9	12
58	Evolution of Cooperation in a Heterogeneous Graph: Fixation Probabilities under Weak Selection. <i>PLoS ONE</i> , 2013, 8, e66560.	2.5	12
59	Thalidomide treatment for patients with previously untreated multiple myeloma: a meta-analysis of randomized controlled trials. <i>Tumor Biology</i> , 2016, 37, 11081-11098.	1.8	12
60	DCZ3301, a novel cytotoxic agent, inhibits proliferation in diffuse large B-cell lymphoma via the STAT3 pathway. <i>Cell Death and Disease</i> , 2017, 8, e3111-e3111.	6.3	12
61	Preclinical activity of DCZ3301, a novel aryl-guanidino compound in the therapy of multiple myeloma. <i>Theranostics</i> , 2017, 7, 3690-3699.	10.0	12
62	Bortezomib attenuates acute graft-vs.-host disease through interfering with host immature dendritic cells. <i>Experimental Hematology</i> , 2011, 39, 710-720.	0.4	11
63	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
64	Dispersal network heterogeneity promotes species coexistence in hierarchical competitive communities. <i>Ecology Letters</i> , 2021, 24, 50-59.	6.4	10
65	Game Experiments on Cooperation Through Reward and Punishment. <i>Biological Theory</i> , 2013, 8, 158-166.	1.5	9
66	Myeloma bone disease: Progress in pathogenesis. <i>Progress in Biophysics and Molecular Biology</i> , 2016, 122, 149-155.	2.9	9
67	Dihydrocelastrol inhibits multiple myeloma cell proliferation and promotes apoptosis through ERK1/2 and IL-6/STAT3 pathways < i>in vitro< i> and < i>in vivo< i>. <i>Acta Biochimica Et Biophysica Sinica</i> , 2017, 49, 420-427.	2.0	9
68	Limiting similarity of competitive species and demographic stochasticity. <i>Physical Review E</i> , 2017, 95, 042404.	2.1	8
69	Organism-induced habitat restoration leads to bi-stability in metapopulations. <i>Mathematical Biosciences</i> , 2012, 240, 260-266.	1.9	7
70	Asymmetric evolutionary game dynamics based on individuals' own volition. <i>Journal of Theoretical Biology</i> , 2018, 454, 118-125.	1.7	7
71	Mortality risk promotes cooperation of wasps when paralyzing hosts. <i>Animal Behaviour</i> , 2021, 172, 135-144.	1.9	7
72	Down-Regulation of 11 β -Hydroxysteroid Dehydrogenase Type 2 by Bortezomib Sensitizes Jurkat Leukemia T Cells against Glucocorticoid-Induced Apoptosis. <i>PLoS ONE</i> , 2013, 8, e67067.	2.5	6

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73	Stochastic replicator dynamics and evolutionary stability. <i>Physical Review E</i> , 2022, 105, 044403.	2.1	6
74	Additivity of noise propagation in a protein cascade. <i>Journal of Chemical Physics</i> , 2008, 128, 165104.	3.0	5
75	Antitumor effect of dobutamine on multiple myeloma via mitogen-activated protein kinase pathway in vitro. <i>Acta Biochimica Et Biophysica Sinica</i> , 2016, 48, 1135-1137.	2.0	5
76	Potentials-Attract or Likes-Attract in Human Mate Choice in China. <i>PLoS ONE</i> , 2013, 8, e59457.	2.5	5
77	Evolutionary game dynamics with impulsive effects. <i>Journal of Theoretical Biology</i> , 2008, 254, 384-389.	1.7	4
78	An ider(17)(q10)t(15;17) with spliced long-type PML-RARA fusion transcripts in a case of acute promyelocytic leukemia. <i>Cancer Genetics</i> , 2014, 207, 253-257.	0.4	4
79	Effect of time-correlated noises on cell-fate induction. <i>Physical Review E</i> , 2018, 98, .	2.1	4
80	Cooperation evolves more when players keep the interaction with unknown players. <i>Applied Mathematics and Computation</i> , 2019, 350, 209-216.	2.2	4
81	Evolutionary game dynamics with non-uniform interaction rates in finite population. <i>Journal of Theoretical Biology</i> , 2022, 540, 111086.	1.7	4
82	Reply to Rankin et al.: The efficiency ratio of costly punishment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, .	7.1	3
83	Early versus Deferred Treatment for Smoldering Multiple Myeloma: A Meta-Analysis of Randomized, Controlled Trials. <i>PLoS ONE</i> , 2014, 9, e109758.	2.5	3
84	Sexual cooperation relies on food controlled by females in agromyzid flies. <i>Animal Behaviour</i> , 2019, 149, 55-63.	1.9	3
85	Cooperation and Stability through Periodic Impulses. <i>PLoS ONE</i> , 2010, 5, e9882.	2.5	2
86	Dominance Hierarchies Induce a Population's Full Cooperation. <i>Dynamic Games and Applications</i> , 2014, 4, 432-447.	1.9	2
87	Evolutionary Pattern and Large-Scale Architecture of Mutation Networks of 2009 A (H1N1) Influenza A Virus. <i>Frontiers in Genetics</i> , 2018, 9, 204.	2.3	2
88	Awareness of wealth inequalities breeds animosity. <i>Chaos, Solitons and Fractals</i> , 2020, 130, 109398.	5.1	2
89	Inferior prognosis of gastric involvement in patients with gastrointestinal Burkitt Lymphoma. <i>Cancer Medicine</i> , 2020, 9, 3107-3114.	2.8	2
90	Multilayer network structure enhances the coexistence of competitive species. <i>Physical Review E</i> , 2021, 104, 024402.	2.1	2

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91	Inclusive fitness and Hamilton's rule in a stochastic environment. Theoretical Population Biology, 2021, 142, 91-99.	1.1	2
92	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
93	Stochastic evolutionary stability in matrix games with random payoffs. Physical Review E, 2022, 105, 034303.	2.1	2
94	Evolutionary dynamics of fearfulness and boldness. Journal of Theoretical Biology, 2009, 256, 637-643.	1.7	1
95	Effects of bidirectional regulation on noises in gene networks. Physical Chemistry Chemical Physics, 2010, 12, 2418.	2.8	1
96	A new concept: Epigenetic game theory. Physics of Life Reviews, 2017, 20, 155-157.	2.8	1
97	Weak selection can filter environmental noise in the evolution of animal behavior. Physical Review E, 2019, 100, 052411.	2.1	1
98	Hamilton's rule and kin competition in a finite kin population. Journal of Theoretical Biology, 2021, 529, 110862.	1.7	1
99	Stochastic Analysis of Gene Expression. Methods in Molecular Biology, 2011, 734, 123-151.	0.9	1
100	Effect of Spatial Dispersion on Evolutionary Stability: A Two-Phenotype and Two-Patch Model. PLoS ONE, 2015, 10, e0142929.	2.5	1
101	Switching costs in stochastic environments drive the emergence of matching behaviour in animal decision-making through the promotion of reward learning strategies. Scientific Reports, 2021, 11, 23593.	3.3	1
102	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
103	Evolutionary Dynamics of Fearfulness and Boldness: A Stochastic Simulation Model. PLoS ONE, 2012, 7, e32258.	2.5	0
104	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