JÃ³zsef Garay

List of Publications by Year
in descending order

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49	679	687363	642732
papers	citations	13 h-index	23 g-index

51	51	51	482
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Best Reply Player Against Mixed Evolutionarily Stable Strategy User. Bulletin of Mathematical Biology, 2022, 84, 23.	1.9	2
2	Theoretical Foundation of the Control of Pollination by Hoverflies in a Greenhouse. Agronomy, 2021, 11, 167.	3.0	2
3	Evolutionary Substitution and Replacement in N-Species Lotkaâ€“Volterra Systems. Dynamic Games and Applications, 2020, 10, 695-718.	1.9	7
4	The ESS for evolutionary matrix games under time constraints and its relationship with the asymptotically stable rest point of the replicator dynamics. Journal of Mathematical Biology, 2020, 80, 743-774.	1.9	9
5	A temporal model of territorial defence with antagonistic interactions. Theoretical Population Biology, 2020, 134, 15-35.	1.1	7
6	When optimal foragers meet in a game theoretical conflict: A model of kleptoparasitism. Journal of Theoretical Biology, 2020, 502, 110306.	1.7	9
7	Do Development and Diet Determine the Degree of Cannibalism in Insects? To Eat or Not to Eat Conspecifics. Insects, 2020, 11, 242.	2.2	2
8	To save or not to save your family memberâ€™s life? Evolutionary stability of self-sacrificing life history strategy in monogamous sexual populations. BMC Evolutionary Biology, 2019, 19, 147.	3.2	4
9	Game-theoretical model for marketing cooperative in fisheries. Applied Mathematics and Computation, 2018, 329, 325-338.	2.2	3
10	The ESS and replicator equation in matrix games under time constraints. Journal of Mathematical Biology, 2018, 76, 1951-1973.	1.9	14
11	Opportunistic random searcher versus intentional search image user. Scientific Reports, 2018, 8, 3336.	3.3	6
12	Juvenile honest food solicitation and parental investment as a life history strategy: A kin demographic selection model. PLoS ONE, 2018, 13, e0193420.	2.5	3
13	Evolutionary stability for matrix games under time constraints. Journal of Theoretical Biology, 2017, 415, 1-12.	1.7	22
14	Survival phenotype, selfish individual versus Darwinian phenotype. Journal of Theoretical Biology, 2017, 430, 86-91.	1.7	3
15	Sib cannibalism can be adaptive for kin. Ecological Modelling, 2016, 334, 51-59.	2.5	13
16	A two-agent model applied to the biological control of the sugarcane borer (Diatraea saccharalis) by the egg parasitoid Trichogramma galloi and the larvae parasitoid Cotesia flavipes. BioSystems, 2016, 141, 45-54.	2.0	15
17	Can Interactions Between an Omnivorous Hemipteran and an Egg Parasitoid Limit the Level of Biological Control for the Tomato Pinworm?. Environmental Entomology, 2015, 44, 12-26.	1.4	26
18	A new multistage dynamic model for biological control exemplified by the hostâ€“parasitoid system Spodoptera exiguaâ€“Chelonus oculator. Journal of Pest Science, 2015, 88, 343-358.	3.7	11

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19	Functional response and population dynamics for fighting predator, based on activity distribution. Journal of Theoretical Biology, 2015, 368, 74-82.	1.7	7
20	Optimal Forager against Ideal Free Distributed Prey. American Naturalist, 2015, 186, 111-122.	2.1	9
21	Under multilevel selection: â€œWhen shall you be neither spiteful nor envious?â€. Journal of Theoretical Biology, 2014, 340, 73-84.	1.7	5
22	Game-Theoretic Methods for Functional Response and Optimal Foraging Behavior. PLoS ONE, 2014, 9, e88773.	2.5	24
23	Monogamy Has a Fixation Advantage Based on Fitness Variance in an Ideal Promiscuity Group. Bulletin of Mathematical Biology, 2012, 74, 2676-91.	1.9	3
24	Optimal nutrient foraging strategy of an omnivore: Liebig's law determining numerical response. Journal of Theoretical Biology, 2012, 310, 31-42.	1.7	14
25	The effects of opportunistic and intentional predators on the herding behavior of prey. Ecology, 2011, 92, 432-440.	3.2	19
26	Survivorâ€™s dilemma: Defend the group or flee?. Theoretical Population Biology, 2011, 80, 217-225.	1.1	9
27	Is envy one of the possible evolutionary roots of charity?. BioSystems, 2011, 106, 28-35.	2.0	41
28	Active centrum hypothesis: The origin of chiral homogeneity and the RNA-world. BioSystems, 2011, 103, 1-12.	2.0	8
29	Evolutionary game model for a marketing cooperative with penalty for unfaithfulness. Nonlinear Analysis: Real World Applications, 2010, 11, 742-749.	1.7	4
30	Dynamic model and simulation analysis of the genetic impact of population harvesting. Applied Mathematics and Computation, 2010, 216, 565-575.	2.2	2
31	A predatorâ€“prey refuge system: Evolutionary stability in ecological systems. Theoretical Population Biology, 2009, 76, 248-257.	1.1	48
32	Cooperation in defence against a predator. Journal of Theoretical Biology, 2009, 257, 45-51.	1.7	38
33	Relative Advantage and Fundamental Theorems of Natural Selection. , 2008, , 63-74.		2
34	Adaptive Dynamics Based on Ecological Stability. Annals of the International Society of Dynamic Games, 2007, , 271-286.	0.3	3
35	A game-theoretic model for punctuated equilibrium: Species invasion and stasis through coevolution. BioSystems, 2006, 84, 1-14.	2.0	7
36	Ideal Free Distributions, Evolutionary Games, and Population Dynamics in Multipleâ€Species Environments. American Naturalist, 2004, 164, 473-489.	2.1	112

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37	The dynamic stability of coalitionist behaviour for two-strategy bimatrix games. Theory and Decision, 2004, 56, 141-152.	1.0	5
38	Evolutionarily stable sets in the single-locus frequency-dependent model of natural selection. Journal of Mathematical Biology, 2003, 47, 465-482.	1.9	6
39	When does the variance of replicator fitness decrease?. Journal of Mathematical Biology, 2003, 47, 457-464.	1.9	2
40	Coincidence of ESAD and ESS in dominantâ€“recessive hereditary systems. Journal of Theoretical Biology, 2003, 222, 297-305.	1.7	6
41	Evolutionary stability in Lotkaâ€“Volterra systems. Journal of Theoretical Biology, 2003, 222, 233-245.	1.7	32
42	Stability in -species coevolutionary systems. Theoretical Population Biology, 2003, 64, 519-533.	1.1	28
43	Many species partial adaptive dynamics. BioSystems, 2002, 65, 19-23.	2.0	11
44	Evolutionary Stability Concepts for Nâ€“species Frequency-dependent Interactions. Journal of Theoretical Biology, 2001, 211, 1-10.	1.7	36
45	Strict ESS for n-species systems. BioSystems, 2000, 56, 131-137.	2.0	12
46	Relative Advantage: a Substitute for Mean Fitness in Fisher's Fundamental Theorem?. Journal of Theoretical Biology, 1999, 201, 215-218.	1.7	7
47	Evolutionarily Stable Allele Distributions. Journal of Theoretical Biology, 1998, 191, 163-172.	1.7	8
48	Genetical reachability: When does a sexual population realize all phenotypic states?. Journal of Mathematical Biology, 1998, 37, 146-154.	1.9	10
49	When will a sexual population evolve to an ESS?. Proceedings of the Royal Society B: Biological Sciences, 1998, 265, 1007-1010.	2.6	3