Yoh Iwasa

List of Publications by Year
in descending order

351 papers	19,163 citations	12330 69 h-index	16183 124 g-index
364 all docs	364 docs citations	364 times ranked	12885 citing authors

#	Article	IF	Citations
1	Optimal composition of chloride cells for osmoregulation in a randomly fluctuating environment. Journal of Theoretical Biology, 2022, 537, 111016.	1.7	0
2	Evolutionary game of life-cycle types in marine benthic invertebrates: Feeding larvae versus nonfeeding larvae versus direct development. Journal of Theoretical Biology, 2022, 537, 111019.	1.7	5
3	Escaping stochastic extinction of mutant virus: Temporal pattern of emergence of drug resistance within a host. Journal of Theoretical Biology, 2022, 537, 111029.	1.7	4
4	On the role of eviction in group living sex changers. Behavioral Ecology and Sociobiology, 2022, 76, 1.	1.4	1
5	Why did sauropod dinosaurs grow so big? â€“ A possible answer from the life history theory. Journal of Theoretical Biology, 2021, 508, 110485.	1.7	1
6	Optimal control of root nodulation â€“ Prediction of life history theory of a mutualistic system. Journal of Theoretical Biology, 2021, 510, 110544.	1.7	4
7	Eco-evolutionary dynamics may show an irreversible regime shift, illustrated by salmonids facing climate change. Theoretical Ecology, 2021, 14, 345-357.	1.0	1
8	Processes affecting size of fish schools in agentâ€based model. Population Ecology, 2021, 63, 219-229.	1.2	0
9	Evolutionary game in an androdioecious population: Coupling of outcrossing and male production. Journal of Theoretical Biology, 2021, 513, 110594.	1.7	5
10	Recurrent speciation rates on islands decline with species number. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20210255.	2.6	5
11	The Great Oxygenation Event as a consequence of ecological dynamics modulated by planetary change. Nature Communications, 2021, 12, 3985.	12.8	24
12	Spatial distribution of gut microbes along the intestinal duct. Journal of Theoretical Biology, 2021, 523, 110725.	1.7	2
13	Evolution of life cycle dimorphism: An example of sacoglossan sea slugs. Journal of Theoretical Biology, 2021, 525, 110760.	1.7	2
14	Virulence of a virus: How it depends on growth rate, effectors, memory cells, and immune escape. Journal of Theoretical Biology, 2021, 530, 110875.	1.7	4
15	Evolution of male nuptial gift and female remating: A quantitative genetic model. Journal of Theoretical Biology, 2021, 533, 110939.	1.7	1
16	Conflict theory of genomic imprinting in mammals. Population Ecology, 2020, 62, 28-37.	1.2	4
17	Seasonality in the production of male larvae: a game model for parasitic barnacles (Cirripedia:) Tj ETQq1 1 0.784314 rgBT /Overlock 1	0.8	2
18	Positive Feedback between Behavioral and Hormonal Dynamics Leads to Differentiation of Life-History Tactics. American Naturalist, 2020, 196, 679-689.	2.1	0

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19	Enhanced risk of cancer in companion animals as a response to the longevity. Scientific Reports, 2020, 10, 19508.	3.3	4
20	How Thermodynamics Illuminates Population Interactions in Microbial Communities. Frontiers in Ecology and Evolution, 2020, 8, .	2.2	2
21	Microbial material cycling, energetic constraints and ecosystem expansion in subsurface ecosystems. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20200610.	2.6	2
22	Autoimmune diseases initiated by pathogen infection: Mathematical modeling. Journal of Theoretical Biology, 2020, 498, 110296.	1.7	9
23	Ecotourism development and the heterogeneity of tourists. Theoretical Ecology, 2020, 13, 371-383.	1.0	5
24	Coordinated changes in cell membrane and cytoplasm during maturation of apoptotic bleb. Molecular Biology of the Cell, 2020, 31, 833-844.	2.1	29
25	Task allocation in a cooperative society: specialized castes or age-dependent switching among ant workers. Scientific Reports, 2020, 10, 3339.	3.3	10
26	JTB Editorial Malpractice: A Case Report. Journal of Theoretical Biology, 2020, 488, 110171.	1.7	6
27	Bovine mastitis and optimal disease management: Dynamic programming analysis. Journal of Theoretical Biology, 2020, 498, 110292.	1.7	5
28	The fitness of chemotrophs increases when their catabolic byâ€products are consumed by other species. Ecology Letters, 2019, 22, 1994-2005.	6.4	7
29	Variation in plastic responses to light results from selection in different competitive environmentsâ€”A game theoretical approach using virtual plants. PLoS Computational Biology, 2019, 15, e1007253.	3.2	14
30	Social evolution leads to persistent corruption. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 13276-13281.	7.1	34
31	Population dynamics of chemotrophs in anaerobic conditions where the metabolic energy acquisition per redox reaction is limited. Journal of Theoretical Biology, 2019, 467, 164-173.	1.7	8
32	A population model for diapausing multivoltine insects under asymmetric cannibalism. Population Ecology, 2019, 61, 35-44.	1.2	1
33	Coupled dynamics of intestinal microbiome and immune systemâ€”A mathematical study. Journal of Theoretical Biology, 2019, 464, 9-20.	1.7	5
34	Chemical mimicry or crypsisâ€”the evolutionary game played by parasitic ants invading other colonies. Theoretical Ecology, 2019, 12, 391-399.	1.0	3
35	How do toxicants affect epidemiological dynamics?. Oikos, 2019, 128, 729-740.	2.7	2
36	Interactions between immunotoxicants and parasite stress: Implications for host health. Journal of Theoretical Biology, 2018, 445, 120-127.	1.7	7

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37	Profit Sharing as a Management Strategy for a State-owned Teak Plantation at High Risk for Illegal Logging. Ecological Economics, 2018, 149, 140-148.	5.7	9
38	Evolutionary bistability of life history decision in male masu salmon. Journal of Theoretical Biology, 2018, 448, 104-111.	1.7	4
39	Temperature-dependent sex determination, realized by hormonal dynamics with enzymatic reactions sensitive to ambient temperature. Journal of Theoretical Biology, 2018, 453, 146-155.	1.7	26
40	Why is bidirectional sex change rare?. Journal of Theoretical Biology, 2018, 453, 136-145.	1.7	3
41	Exploiting a cognitive bias promotes cooperation in social dilemma experiments. Nature Communications, 2018, 9, 2954.	12.8	160
42	The Persistence of a Local Dialect When a National Standard Language is Present: An Evolutionary Dynamics Model of Cultural Diversity. Bulletin of Mathematical Biology, 2018, 80, 2761-2786.	1.9	2
43	Profit sharing and agroforestry: a theoretical study of potential conflicts in managing illegal logging risk in tropical forests. Theoretical Ecology, 2018, 11, 479-488.	1.0	1
44	Advantage for the sex changer who retains the gonad of the nonfunctional sex. Behavioral Ecology and Sociobiology, 2017, 71, 1.	1.4	15
45	When is allergen immunotherapy effective?. Journal of Theoretical Biology, 2017, 425, 23-42.	1.7	6
46	Parapatric speciation in three islands: dynamics of geographical configuration of allele sharing. Royal Society Open Science, 2017, 4, 160819.	2.4	10
47	Games of corruption in preventing the overuse of common-pool resources. Journal of Theoretical Biology, 2017, 428, 76-86.	1.7	13
48	A tipping point in parapatric speciation. Journal of Theoretical Biology, 2017, 421, 81-92.	1.7	9
49	Be a good loser: A theoretical model for subordinate decision-making on bi-directional sex change in haremic fishes. Journal of Theoretical Biology, 2017, 421, 127-135.	1.7	6
50	Onymity promotes cooperation in social dilemma experiments. Science Advances, 2017, 3, e1601444.	10.3	199
51	Stress-mediated Allee effects can cause the sudden collapse of honey bee colonies. Journal of Theoretical Biology, 2017, 420, 213-219.	1.7	42
52	A forecast for extinction debt in the presence of speciation. Journal of Theoretical Biology, 2017, 415, 48-52.	1.7	3
53	Number of infection events per cell during HIV-1 cell-free infection. Scientific Reports, 2017, 7, 6559.	3.3	13
54	Phase diagram of a multiple forces model for animal group formation: marches versus circles determined by the relative strength of alignment and cohesion. Population Ecology, 2016, 58, 357-370.	1.2	2

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55	Smallness of the number of incompatibility loci can facilitate parapatric speciation. Journal of Theoretical Biology, 2016, 405, 36-45.	1.7	10
56	Incorporating an ontogenetic perspective into evolutionary theory of sexual size dimorphism. Evolution; International Journal of Organic Evolution, 2016, 70, 369-384.	2.3	15
57	Repopulation dynamics of single haematopoietic stem cells in mouse transplantation experiments: Importance of stem cell composition in competitor cells. Journal of Theoretical Biology, 2016, 394, 57-67.	1.7	4
58	Pandemic HIV-1 Vpu overcomes intrinsic herd immunity mediated by tetherin. Scientific Reports, 2015, 5, 12256.	3.3	14
59	Cellâ€“cell signalling in sexual chemotaxis: a basis for gametic differentiation, mating types and sexes. Journal of the Royal Society Interface, 2015, 12, 20150342.	3.4	22
60	An Evolutionary Approach for Identifying Driver Mutations in Colorectal Cancer. PLoS Computational Biology, 2015, 11, e1004350.	3.2	25
61	Reproductive interference can promote recurrent speciation. Population Ecology, 2015, 57, 343-346.	1.2	8
62	Coupled social and ecological dynamics of herders in Mongolian rangelands. Ecological Economics, 2015, 114, 208-217.	5.7	18
63	Phenotype adjustment promotes adaptive evolution in a game without conflict. Theoretical Population Biology, 2015, 102, 16-25.	1.1	3
64	Cultural evolution of hinoeuma superstition controlling human mate choice: The role of half-believer. Journal of Theoretical Biology, 2015, 385, 40-49.	1.7	2
65	The evolutionary advantage of haploid versus diploid microbes in nutrient-poor environments. Journal of Theoretical Biology, 2015, 383, 116-129.	1.7	6
66	Games of corruption: How to suppress illegal logging. Journal of Theoretical Biology, 2015, 367, 1-13.	1.7	48
67	Reputation Effects in Public and Private Interactions. PLoS Computational Biology, 2015, 11, e1004527.	3.2	51
68	Agent-Based Mapping of Credit Risk for Sustainable Microfinance. PLoS ONE, 2015, 10, e0126447.	2.5	6
69	Barriers to Cooperation Aid Ideological Rigidity and Threaten Societal Collapse. PLoS Computational Biology, 2014, 10, e1003618.	3.2	11
70	THE HANDICAP PROCESS FAVORS EXAGGERATED, RATHER THAN REDUCED, SEXUAL ORNAMENTS. Evolution; International Journal of Organic Evolution, 2014, 68, 2534-2549.	2.3	14
71	SIGNALING EFFICACY DRIVES THE EVOLUTION OF LARGER SEXUAL ORNAMENTS BY SEXUAL SELECTION. Evolution; International Journal of Organic Evolution, 2014, 68, 216-229.	2.3	27
72	Modeling socioâ€economic aspects of ecosystem management and biodiversity conservation. Population Ecology, 2014, 56, 27-40.	1.2	13

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73	Parasite infection drives the evolution of state-dependent dispersal of the host. Theoretical Population Biology, 2014, 92, 1-13.	1.1	22
74	Evolution of sex determination and sexually dimorphic larval sizes in parasitic barnacles. Journal of Theoretical Biology, 2014, 347, 7-16.	1.7	15
75	The conflict of social norms may cause the collapse of cooperation: Indirect reciprocity with opposing attitudes towards in-group favoritism. Journal of Theoretical Biology, 2014, 346, 34-46.	1.7	16
76	The balance between self-renewal and differentiation probabilities determines longevity of hematopoietic stem cells. Experimental Hematology, 2013, 41, S32.	0.4	0
77	Graduated punishment is efficient in resource management if people are heterogeneous. Journal of Theoretical Biology, 2013, 333, 117-125.	1.7	25
78	Soil disturbances can suppress the invasion of alien plants under plantâ€“soil feedback. Ecological Modelling, 2013, 260, 42-49.	2.5	6
79	Evolution of stalk/spore ratio in a social amoeba: Cell-to-cell interaction via a signaling chemical shaped by cheating risk. Journal of Theoretical Biology, 2013, 336, 110-118.	1.7	15
80	Dwarf males, large hermaphrodites and females in marine species: A dynamic optimization model of sex allocation and growth. Theoretical Population Biology, 2013, 85, 49-57.	1.1	14
81	Comment on "Extinction Debt and Windows of Conservation Opportunity in the Brazilian Amazon". Science, 2013, 339, 271-271.	12.6	10
82	Dwarf males and hermaphrodites can coexist in marine sedentary species if the opportunity to become a dwarf male is limited. Journal of Theoretical Biology, 2013, 334, 101-108.	1.7	11
83	Species persistence in landscapes with spatial variation in habitat quality: A pair approximation model. Journal of Theoretical Biology, 2013, 335, 22-30.	1.7	42
84	Individual and combined suppressive effects of submerged and floating-leaved macrophytes on algal blooms. Journal of Theoretical Biology, 2013, 319, 122-133.	1.7	17
85	Coevolution of mast seeding in trees and extended diapause of seed predators. Journal of Theoretical Biology, 2013, 339, 129-139.	1.7	9
86	Global legume diversity assessment: Concepts, key indicators, and strategies. Taxon, 2013, 62, 249-266.	0.7	85
87	First passage time to allopatric speciation. Interface Focus, 2013, 3, 20130026.	3.0	31
88	Evolutionary Branching in a Finite Population: Deterministic Branching vs. Stochastic Branching. Genetics, 2013, 193, 229-241.	2.9	48
89	A network-based evolutionary method to solve inconsistent simultaneous equations approximately. , 2013, , .		1
90	Stochastic Tunneling of Two Mutations in a Population of Cancer Cells. PLoS ONE, 2013, 8, e65724.	2.5	13

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91	Mathematical Study of the Role of Delta/Notch Lateral Inhibition during Primary Branching of Drosophila Trachea Development. Biophysical Journal, 2012, 103, 2549-2559.	0.5	8
92	Neutrality without incoherence: a response to Clark. Trends in Ecology and Evolution, 2012, 27, 363.	8.7	4
93	Optimal investment for enhancing social concern about biodiversity conservation: A dynamic approach. Theoretical Population Biology, 2012, 82, 177-186.	1.1	3
94	Paradox of marine protected areas: suppression of fishing may cause species loss. Population Ecology, 2012, 54, 475-485.	1.2	30
95	Multiple feedback loops achieve robust localization of wingless expression in Drosophila notum development. Journal of Theoretical Biology, 2012, 292, 18-29.	1.7	6
96	A stochastic model of chromatin modification: Cell population coding of winter memory in plants. Journal of Theoretical Biology, 2012, 302, 6-17.	1.7	41
97	Variability in the evolutionarily stable seasonal timing of germination and maturation of annuals and the mode of competition. Journal of Theoretical Biology, 2012, 304, 66-80.	1.7	6
98	Cultural evolution of a belief controlling human mate choice: Dynamic modeling of the hinoeuma superstition in Japan. Journal of Theoretical Biology, 2012, 309, 20-28.	1.7	7
99	Evolutionary jumping and breakthrough in tree masting evolution. Theoretical Population Biology, 2012, 81, 20-31.	1.1	5
100	Coding Design of Positional Information for Robust Morphogenesis. Biophysical Journal, 2011, 101, 2324-2335.	0.5	14
101	COEVOLUTION OF PHENOTYPIC PLASTICITY IN PREDATOR AND PREY: WHY ARE INDUCIBLE OFFENSES RARER THAN INDUCIBLE DEFENSES?. Evolution; International Journal of Organic Evolution, 2011, 65, 1079-1087.	2.3	23
102	Tourists and traditional divers in a common fishing ground. Ecological Economics, 2011, 70, 2350-2360.	5.7	19
103	Long-term effect of coral transplantation: Restoration goals and the choice of species. Journal of Theoretical Biology, 2011, 280, 127-138.	1.7	12
104	Green world maintained by adaptation. Theoretical Ecology, 2011, 4, 201-210.	1.0	7
105	Regime shift and robustness of organism-created environments: A model for microbial ecosystems. Journal of Theoretical Biology, 2011, 269, 297-306.	1.7	3
106	Optimal choice of species and size class for transplanting coral community. Journal of Theoretical Biology, 2011, 273, 130-137.	1.7	9
107	T cell anergy as a strategy to reduce the risk of autoimmunity. Journal of Theoretical Biology, 2011, 277, 74-82.	1.7	0
108	Unique coevolutionary dynamics in a predatorâ€“prey system. Journal of Theoretical Biology, 2011, 277, 83-89.	1.7	48

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109	Neutral theory as a predictor of avifaunal extinctions after habitat loss. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 2316-2321.	7.1	84
110	Evolutionary Dynamics of Intratumor Heterogeneity. PLoS ONE, 2011, 6, e17866.	2.5	51
111	Synchronized oscillation of the segmentation clock gene in vertebrate development. Journal of Mathematical Biology, 2010, 61, 207-229.	1.9	19
112	Optimal number of regulatory T cells. Journal of Theoretical Biology, 2010, 263, 210-218.	1.7	4
113	Pollinator coupling can induce synchronized flowering in different plant species. Journal of Theoretical Biology, 2010, 267, 153-163.	1.7	21
114	Paradox of nutrient removal in coupled socioeconomic and ecological dynamics for lake water pollution. Theoretical Ecology, 2010, 3, 113-122.	1.0	19
115	Size-dependent sex change can be the ESS without any size advantage of reproduction when mortality is size-dependent. Theoretical Population Biology, 2010, 78, 183-191.	1.1	3
116	Global mutations and local mutations have very different effects on evolution, illustrated by mixed strategies of asymmetric binary games. Journal of Theoretical Biology, 2010, 262, 223-231.	1.7	4
117	Optimal seasonal schedules and the relative dominance of heteromorphic and isomorphic life cycles in macroalgae. Journal of Theoretical Biology, 2010, 267, 201-212.	1.7	25
118	SEXUAL SELECTION CAN INCREASE THE EFFECT OF RANDOM GENETIC DRIFT-A QUANTITATIVE GENETIC MODEL OF POLYMORPHISM IN OOPHAGA PUMILIO, THE STRAWBERRY POISON-DART FROG. Evolution; International Journal of Organic Evolution, 2010, 64, 1719-1728.	2.3	43
119	Both seedling banks and specialist seed predators promote the evolution of synchronized and intermittent reproduction (masting) in trees. Journal of Ecology, 2010, 98, 1398-1408.	4.0	23
120	Evolution towards oscillation or stability in a predatorâ€“prey system. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 3163-3171.	2.6	63
121	Random cell movement promotes synchronization of the segmentation clock. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 4979-4984.	7.1	77
122	Accuracy of positional information provided by multiple morphogen gradients with correlated noise. Physical Review E, 2009, 79, 061905.	2.1	29
123	Conflict between groups of players in coupled socio-economic and ecological dynamics. Ecological Economics, 2009, 68, 1106-1115.	5.7	26
124	Estimating the spatiotemporal pattern of volumetric growth rate from fate maps in chick limb development. Developmental Dynamics, 2009, 238, 415-422.	1.8	2
125	Mechanisms for split localization of Fgf10 expression in early lung development. Developmental Dynamics, 2009, 238, 2813-2822.	1.8	48
126	Traveling wave formation in vertebrate segmentation. Journal of Theoretical Biology, 2009, 257, 385-396.	1.7	41

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127	Dynamic modeling of branching morphogenesis of ureteric bud in early kidney development. Journal of Theoretical Biology, 2009, 259, 58-66.	1.7	32
128	The pace of evolution across fitness valleys. Journal of Theoretical Biology, 2009, 259, 613-620.	1.7	49
129	The coupled dynamics of human socioâ€economic choice and lake water system: the interaction of two sources of nonlinearity. Ecological Research, 2009, 24, 479-489.	1.5	30
130	Preface to Special Feature: interface between ecology and social sciences in global environmental change. Ecological Research, 2009, 24, 477-478.	1.5	1
131	Indirect reciprocity provides only a narrow margin of efficiency for costly punishment. Nature, 2009, 457, 79-82.	27.8	320
132	Advantage of having regulatory T cells requires localized suppression of immune reactions. Journal of Theoretical Biology, 2009, 260, 392-401.	1.7	2
133	Distance between AER and ZPA Is Defined by Feed-Forward Loop and Is Stabilized by their Feedback Loop in Vertebrate Limb Bud. Bulletin of Mathematical Biology, 2008, 70, 438-459.	1.9	21
134	Growth Based Morphogenesis of Vertebrate Limb Bud. Bulletin of Mathematical Biology, 2008, 70, 1957-1978.	1.9	32
135	Comparison between perfect information and passiveâ€“adaptive social learning models of forest harvesting. Theoretical Ecology, 2008, 1, 189-197.	1.0	7
136	Spatial heterogeneity of mortality and temporal fluctuation in fertility promote coexistence but not vice versa: A random-community approach. Journal of Theoretical Biology, 2008, 253, 593-600.	1.7	3
137	Optimal placement of multiple morphogen sources. Physical Review E, 2008, 77, 041909.	2.1	16
138	Directional Evolution of Virus Within a Host Under Immune Selection. , 2007, , 155-176.		1
139	The Evolution of Two Mutations During Clonal Expansion. Genetics, 2007, 177, 2209-2221.	2.9	57
140	Ecology as a Modern Science. , 2007, , 1-3.		0
141	Global analyses of evolutionary dynamics and exhaustive search for social norms that maintain cooperation by reputation. Journal of Theoretical Biology, 2007, 244, 518-531.	1.7	85
142	Coupled ecologicalâ€“social dynamics in a forested landscape: Spatial interactions and information flow. Journal of Theoretical Biology, 2007, 246, 695-707.	1.7	41
143	The fastest evolutionary trajectory. Journal of Theoretical Biology, 2007, 249, 617-623.	1.7	20
144	REPRODUCTIVE ASYNCHRONY INCREASES WITH ENVIRONMENTAL DISTURBANCE. Evolution; International Journal of Organic Evolution, 2007, 55, 830-834.	2.3	4

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145	Nonlinear behavior of the socio-economic dynamics for lake eutrophication control. Ecological Economics, 2007, 63, 219-229.	5.7	49
146	Synchronized deforestation induced by social learning under uncertainty of forest-use value. Ecological Economics, 2007, 63, 452-462.	5.7	33
147	Single-class orbits in nonlinear Leslie matrix models for semelparous populations. Journal of Mathematical Biology, 2007, 55, 781-802.	1.9	24
148	Spatial pattern analysis in forest dynamics: deviation from power law and direction of regeneration waves. Ecological Research, 2007, 22, 197-203.	1.5	7
149	Forum â€œEcology and Economicsâ€• a preface. Ecological Research, 2007, 22, 1-2.	1.5	0
150	Turing Pattern Formation with Two Kinds of Cells andÂaÂDiffusive Chemical. Bulletin of Mathematical Biology, 2007, 69, 2515-2536.	1.9	21
151	Optimal conservation strategy in fluctuating environments with species interactions: Resource-enhancement of the native species versus extermination of the alien species. Journal of Theoretical Biology, 2007, 244, 46-58.	1.7	7
152	Robustness of the signal transduction system of the mammalian JAK/STAT pathway and dimerization steps. Journal of Theoretical Biology, 2007, 246, 1-9.	1.7	11
153	Probability of resistance evolution for exponentially growing virus in the host. Journal of Theoretical Biology, 2007, 246, 323-331.	1.7	8
154	A Survey of Indirect Reciprocity. , 2007, , 21-49.		12
155	COOPERATION MAINTAINED BY FITNESS ADJUSTMENT. Evolutionary Ecology Research, 2007, 9, 1023-1041.	2.0	1
156	Bifurcation analyses in the cyanobacterial circadian clock model. , 2006, , .		0
157	Tragedy of the commons in plant water use. Water Resources Research, 2006, 42, .	4.2	38
158	A Model for the Circadian Rhythm of Cyanobacteria that Maintains Oscillation without Gene Expression. Biophysical Journal, 2006, 91, 2015-2023.	0.5	56
159	1P489 Mathematical modeling of gene interactions associated with Wnt signaling pathway in colorectal carcinoma(24. Mathematical biology,Poster Session,Abstract,Meeting Program of EABS &) Tj ETQq1 1 0.784314 rgBT /Ove		
160	The leading eight: Social norms that can maintain cooperation by indirect reciprocity. Journal of Theoretical Biology, 2006, 239, 435-444.	1.7	332
161	The coevolution of altruism and punishment: Role of the selfish punisher. Journal of Theoretical Biology, 2006, 240, 475-488.	1.7	175
162	Stochastic dynamics of metastasis formation. Journal of Theoretical Biology, 2006, 240, 521-530.	1.7	57

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163	Genetic instability and clonal expansion. Journal of Theoretical Biology, 2006, 241, 26-32.	1.7	28
164	A symmetry of fixation times in evoultionary dynamics. Journal of Theoretical Biology, 2006, 243, 245-251.	1.7	80
165	Space and society: a preface to the special feature on â€œTheoretical Ecologyâ€• Ecological Research, 2006, 21, 325-327.	1.5	1
166	Coupled ecological and social dynamics in a forested landscape: the deviation of individual decisions from the social optimum. Ecological Research, 2006, 21, 370-379.	1.5	62
167	Dynamics of metastasis suppressor gene inactivation. Journal of Theoretical Biology, 2006, 241, 676-689.	1.7	16
168	Direction of regeneration waves in grid-based models for forest dynamics. Journal of Theoretical Biology, 2006, 242, 363-371.	1.7	3
169	How canalization can make loops: A new model of reticulated leaf vascular pattern formation. Journal of Theoretical Biology, 2006, 243, 235-244.	1.7	57
170	Deviation from power law, spatial data of forest canopy gaps, and three lattice models. Ecological Modelling, 2006, 198, 399-408.	2.5	10
171	Evolution of Resistance to Cancer Therapy. Current Pharmaceutical Design, 2006, 12, 261-271.	1.9	84
172	Genetic Addiction: Selfish Gene's Strategy for Symbiosis in the Genome. Genetics, 2006, 172, 1309-1323.	2.9	62
173	Evolution of Resistance During Clonal Expansion. Genetics, 2006, 172, 2557-2566.	2.9	210
174	The age incidence of chronic myeloid leukemia can be explained by a one-mutation model. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 14931-14934.	7.1	74
175	Invasibility of seed prdators on synchronized intermittent seed production of host plants. , 2006, , 271-288.		0
176	Virus evolution within patients increases pathogenicity. Journal of Theoretical Biology, 2005, 232, 17-26.	1.7	35
177	Extinction risk of a meta-population: aggregation approach. Journal of Theoretical Biology, 2005, 232, 203-216.	1.7	17
178	Temperature compensation in circadian clock models. Journal of Theoretical Biology, 2005, 233, 453-468.	1.7	50
179	Self-organization of the vascular system in plant leaves: Inter-dependent dynamics of auxin flux and carrier proteins. Journal of Theoretical Biology, 2005, 236, 366-375.	1.7	109
180	Labyrinthine versus straight-striped patterns generated by two-dimensional Turing systems. Journal of Theoretical Biology, 2005, 237, 104-116.	1.7	17

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181	The evolution of a MÃ¼llerian mimic in a spatially distributed community. Journal of Theoretical Biology, 2005, 237, 87-103.	1.7	53
182	Dynamics of chronic myeloid leukaemia. Nature, 2005, 435, 1267-1270.	27.8	795
183	Can chromosomal instability initiate tumorigenesis?. Seminars in Cancer Biology, 2005, 15, 43-49.	9.6	177
184	Dynamics of colorectal cancer. Seminars in Cancer Biology, 2005, 15, 484-493.	9.6	112
185	Population genetics of tumor suppressor genes. Journal of Theoretical Biology, 2005, 233, 15-23.	1.7	52
186	Mateâ€€Choice Copying as Bayesian Decision Making. American Naturalist, 2005, 165, 403-410.	2.1	19
187	Optimal Growth Pattern of Defensive Organs: The Diversity of Shell Growth among Mollusks. American Naturalist, 2005, 165, 238-249.	2.1	37
188	Stochastic Tunnels in Evolutionary Dynamics. Genetics, 2004, 166, 1571-1579.	2.9	233
189	On the emergence of multifocal cancers. Journal of Carcinogenesis, 2004, 3, 13.	2.5	7
190	Linear Model of Colon Cancer Initiation. Cell Cycle, 2004, 3, 356-360.	2.6	83
191	Evolutionary dynamics of tumor suppressor gene inactivation. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 10635-10638.	7.1	94
192	Mechanisms inducing spatially extended synchrony in mast seeding: The role of pollen coupling and environmental fluctuation. Ecological Research, 2004, 19, 13-20.	1.5	31
193	Spatio-temporal development of forests - current trends in field methods and models. Oikos, 2004, 107, 3-15.	2.7	93
194	Dynamics of cancer progression. Nature Reviews Cancer, 2004, 4, 197-205.	28.4	406
195	Some basic properties of immune selection. Journal of Theoretical Biology, 2004, 229, 179-188.	1.7	40
196	Multiple-year optimization of conservation effort and monitoring effort for a fluctuating population. Journal of Theoretical Biology, 2004, 230, 157-171.	1.7	17
197	Coexistence of a sexual and an unisexual form stabilized by parasites. Journal of Theoretical Biology, 2004, 226, 185-194.	1.7	10
198	Evolutionary dynamics of invasion and escape. Journal of Theoretical Biology, 2004, 226, 205-214.	1.7	114

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199	Estimating local interaction from spatiotemporal forest data, and Monte Carlo bias correction. Journal of Theoretical Biology, 2004, 226, 225-235.	1.7	11
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