

Yoh Iwasa

List of Publications by Year in descending order

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349
papers

19,163
citations

12303

69
h-index

16127

124
g-index

364
all docs

364
docs citations

364
times ranked

12885
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamics of chronic myeloid leukaemia. <i>Nature</i> , 2005, 435, 1267-1270.	13.7	795
2	Influence of nonlinear incidence rates upon the behavior of SIRS epidemiological models. <i>Journal of Mathematical Biology</i> , 1986, 23, 187-204.	0.8	670
3	Sexual selection. <i>Trends in Ecology and Evolution</i> , 1996, 11, 53-58.	4.2	631
4	Prey Distribution as a Factor Determining the Choice of Optimal Foraging Strategy. <i>American Naturalist</i> , 1981, 117, 710-723.	1.0	481
5	Demographic Theory for an Open Marine Population with Space-Limited Recruitment. <i>Ecology</i> , 1985, 66, 54-67.	1.5	445
6	Dynamics of cancer progression. <i>Nature Reviews Cancer</i> , 2004, 4, 197-205.	12.8	406
7	THE EVOLUTION OF COSTLY MATE PREFERENCES II. THE "HANDICAP" PRINCIPLE. <i>Evolution; International Journal of Organic Evolution</i> , 1991, 45, 1431-1442.	1.1	390
8	How should we define goodness?"reputation dynamics in indirect reciprocity. <i>Journal of Theoretical Biology</i> , 2004, 231, 107-120.	0.8	365
9	The leading eight: Social norms that can maintain cooperation by indirect reciprocity. <i>Journal of Theoretical Biology</i> , 2006, 239, 435-444.	0.8	332
10	Indirect reciprocity provides only a narrow margin of efficiency for costly punishment. <i>Nature</i> , 2009, 457, 79-82.	13.7	320
11	The Evolution of Cooperation in a Lattice-Structured Population. <i>Journal of Theoretical Biology</i> , 1997, 184, 65-81.	0.8	309
12	The Evolution of Costly Mate Preferences II. The 'Handicap' Principle. <i>Evolution; International Journal of Organic Evolution</i> , 1991, 45, 1431.	1.1	293
13	Theory of oviposition strategy of parasitoids. I. Effect of mortality and limited egg number. <i>Theoretical Population Biology</i> , 1984, 26, 205-227.	0.5	276
14	THE EVOLUTION OF COSTLY MATE PREFERENCES I. FISHER AND BIASED MUTATION. <i>Evolution; International Journal of Organic Evolution</i> , 1991, 45, 1422-1430.	1.1	252
15	Stochastic Tunnels in Evolutionary Dynamics. <i>Genetics</i> , 2004, 166, 1571-1579.	1.2	233
16	Aggregation in model ecosystems. I. Perfect aggregation. <i>Ecological Modelling</i> , 1987, 37, 287-302.	1.2	221
17	Pollen Coupling of Forest Trees: Forming Synchronized and Periodic Reproduction out of Chaos. <i>Journal of Theoretical Biology</i> , 2000, 203, 63-84.	0.8	212
18	Evolution of Resistance During Clonal Expansion. <i>Genetics</i> , 2006, 172, 2557-2566.	1.2	210

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19	Optimal size of storage for recovery after unpredictable disturbances. <i>Evolutionary Ecology</i> , 1997, 11, 41-65.	0.5	208
20	Continual change in mate preferences. <i>Nature</i> , 1995, 377, 420-422.	13.7	205
21	The linear process of somatic evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 14966-14969.	3.3	205
22	Shoot/root balance of plants: Optimal growth of a system with many vegetative organs. <i>Theoretical Population Biology</i> , 1984, 25, 78-105.	0.5	204
23	Onymity promotes cooperation in social dilemma experiments. <i>Science Advances</i> , 2017, 3, e1601444.	4.7	199
24	Can chromosomal instability initiate tumorigenesis?. <i>Seminars in Cancer Biology</i> , 2005, 15, 43-49.	4.3	177
25	THE EVOLUTION OF MATE PREFERENCES FOR MULTIPLE SEXUAL ORNAMENTS. <i>Evolution; International Journal of Organic Evolution</i> , 1994, 48, 853-867.	1.1	176
26	The coevolution of altruism and punishment: Role of the selfish punisher. <i>Journal of Theoretical Biology</i> , 2006, 240, 475-488.	0.8	175
27	Good Parent and Good Genes Models of Handicap Evolution. <i>Journal of Theoretical Biology</i> , 1999, 200, 97-109.	0.8	173
28	Optimal Growth Schedule of a Perennial Plant. <i>American Naturalist</i> , 1989, 133, 480-505.	1.0	161
29	Exploiting a cognitive bias promotes cooperation in social dilemma experiments. <i>Nature Communications</i> , 2018, 9, 2954.	5.8	160
30	Emergence patterns in male butterflies: A hypothesis and a test. <i>Theoretical Population Biology</i> , 1983, 23, 363-379.	0.5	158
31	A Generalized Model of Parasitoid, Venereal, and Vector-Based Transmission Processes. <i>American Naturalist</i> , 1995, 145, 661-675.	1.0	156
32	Vertical Migration of Zooplankton: A Game Between Predator and Prey. <i>American Naturalist</i> , 1982, 120, 171-180.	1.0	154
33	Lattice population dynamics for plants with dispersing seeds and Vegetative propagation. <i>Researches on Population Ecology</i> , 1994, 36, 237-249.	0.9	142
34	Dynamics of a metapopulation with space-limited subpopulations. <i>Theoretical Population Biology</i> , 1986, 29, 235-261.	0.5	141
35	Evolution of multiple sexual preferences by Fisher's runaway process of sexual selection. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1993, 253, 173-181.	1.2	138
36	Aggregation in Model Ecosystems II. Approximate Aggregation. <i>Mathematical Medicine and Biology</i> , 1989, 6, 1-23.	0.8	135

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37	The Evolution of Mate Preferences for Multiple Sexual Ornaments. <i>Evolution; International Journal of Organic Evolution</i> , 1994, 48, 853.	1.1	134
38	Runaway ornament diversity caused by Fisherian sexual selection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 5106-5111.	3.3	134
39	Optimal Mixed Strategies in Stochastic Environments. <i>Theoretical Population Biology</i> , 1995, 47, 212-243.	0.5	133
40	A sex ratio theory of gregarious parasitoids. <i>Researches on Population Ecology</i> , 1980, 22, 366-382.	0.9	132
41	Allelopathy of bacteria in a lattice population: Competition between colicin-sensitive and colicin-producing strains. <i>Evolutionary Ecology</i> , 1998, 12, 785-802.	0.5	125
42	Starlings exploiting patches: the effect of recent experience on foraging decisions. <i>Animal Behaviour</i> , 1990, 40, 625-640.	0.8	123
43	Optimal growth schedule of pathogens within a host: Switching between lytic and latent cycles. <i>Theoretical Population Biology</i> , 1991, 39, 201-239.	0.5	118
44	Evolutionary dynamics of invasion and escape. <i>Journal of Theoretical Biology</i> , 2004, 226, 205-214.	0.8	114
45	The Evolution of Costly Mate Preferences I. Fisher and Biased Mutation. <i>Evolution; International Journal of Organic Evolution</i> , 1991, 45, 1422.	1.1	113
46	Tree height and crown shape, as results of competitive games. <i>Journal of Theoretical Biology</i> , 1985, 112, 279-297.	0.8	112
47	Dynamics of colorectal cancer. <i>Seminars in Cancer Biology</i> , 2005, 15, 484-493.	4.3	112
48	Inducible Defense against Pathogens and Parasites: Optimal Choice among Multiple Options. <i>Journal of Theoretical Biology</i> , 2001, 209, 233-247.	0.8	110
49	Self-organization of the vascular system in plant leaves: Inter-dependent dynamics of auxin flux and carrier proteins. <i>Journal of Theoretical Biology</i> , 2005, 236, 366-375.	0.8	109
50	Free fitness that always increases in evolution. <i>Journal of Theoretical Biology</i> , 1988, 135, 265-281.	0.8	108
51	The synchronized and intermittent reproduction of forest trees is mediated by the Moran effect, only in association with pollen coupling. <i>Journal of Ecology</i> , 2002, 90, 830-838.	1.9	101
52	Sex change evolution and cost of reproduction. <i>Behavioral Ecology</i> , 1991, 2, 56-68.	1.0	99
53	Forest Spatial Dynamics with Gap Expansion: Total Gap Area and Gap Size Distribution. <i>Journal of Theoretical Biology</i> , 1996, 180, 229-246.	0.8	95
54	Evolutionary dynamics of tumor suppressor gene inactivation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 10635-10638.	3.3	94

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55	SPATIALLY LIMITED POLLEN EXCHANGE AND A LONG-RANGE SYNCHRONIZATION OF TREES. <i>Ecology</i> , 2002, 83, 993-1005.	1.5	93
56	Spatio-temporal development of forests - current trends in field methods and models. <i>Oikos</i> , 2004, 107, 3-15.	1.2	93
57	Score-dependent Fertility Model for the Evolution of Cooperation in a Lattice. <i>Journal of Theoretical Biology</i> , 1998, 194, 101-124.	0.8	91
58	Pollinator Foraging Strategies in Mixed Floral Arrays: Density Effects and Floral Constancy. <i>Theoretical Population Biology</i> , 1996, 49, 232-263.	0.5	87
59	The Evolution of Genomic Imprinting. <i>Genetics</i> , 1996, 144, 1283-1295.	1.2	86
60	The timing of life history events. <i>Journal of Theoretical Biology</i> , 1995, 172, 33-42.	0.8	85
61	Evolutionary dynamics of escape from biomedical intervention. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003, 270, 2573-2578.	1.2	85
62	Global analyses of evolutionary dynamics and exhaustive search for social norms that maintain cooperation by reputation. <i>Journal of Theoretical Biology</i> , 2007, 244, 518-531.	0.8	85
63	Global legume diversity assessment: Concepts, key indicators, and strategies. <i>Taxon</i> , 2013, 62, 249-266.	0.4	85
64	Evolution of Resistance to Cancer Therapy. <i>Current Pharmaceutical Design</i> , 2006, 12, 261-271.	0.9	84
65	Neutral theory as a predictor of avifaunal extinctions after habitat loss. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 2316-2321.	3.3	84
66	Niche Overlap of Parasitoids in Host-Parasitoid Systems: Its Consequence to Single Versus Multiple Introduction Controversy in Biological Control. <i>Journal of Applied Ecology</i> , 1984, 21, 115.	1.9	83
67	Linear Model of Colon Cancer Initiation. <i>Cell Cycle</i> , 2004, 3, 356-360.	1.3	83
68	A symmetry of fixation times in evolutionary dynamics. <i>Journal of Theoretical Biology</i> , 2006, 243, 245-251.	0.8	80
69	Random cell movement promotes synchronization of the segmentation clock. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 4979-4984.	3.3	77
70	Interspecific competition among metapopulations with space-limited subpopulations. <i>Theoretical Population Biology</i> , 1986, 30, 194-214.	0.5	75
71	The age incidence of chronic myeloid leukemia can be explained by a one-mutation model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 14931-14934.	3.3	74
72	7 The Conflict Theory of Genomic Imprinting: How Much Can Be Explained?. <i>Current Topics in Developmental Biology</i> , 1998, 40, 255-293.	1.0	71

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73	Population Persistence and Spatially Limited Social Interaction. <i>Theoretical Population Biology</i> , 1995, 48, 65-91.	0.5	70
74	Extinction Rate of a Population under both Demographic and Environmental Stochasticity. <i>Theoretical Population Biology</i> , 1998, 53, 1-15.	0.5	70
75	Modeling of Wave Regeneration in Subalpine Abies Forests: Population Dynamics with Spatial Structure. <i>Ecology</i> , 1993, 74, 1538-1550.	1.5	66
76	Sex Specific X Chromosome Expression Caused by Genomic Imprinting. <i>Journal of Theoretical Biology</i> , 1999, 197, 487-495.	0.8	66
77	INFERRING THE RATES OF BRANCHING AND EXTINCTION FROM MOLECULAR PHYLOGENIES. <i>Evolution; International Journal of Organic Evolution</i> , 1995, 49, 694-704.	1.1	65
78	Establishment Probability in Fluctuating Environments: A Branching Process Model. <i>Theoretical Population Biology</i> , 1996, 50, 254-280.	0.5	65
79	Extinction Risk of a Density-dependent Population Estimated from a Time Series of Population Size. <i>Journal of Theoretical Biology</i> , 2000, 204, 337-359.	0.8	65
80	Measurement of Mutational Flow Implies Both a High New-Mutation Rate for Huntington Disease and Substantial Underascertainment of Late-Onset Cases. <i>American Journal of Human Genetics</i> , 2001, 68, 373-385.	2.6	64
81	Evolution towards oscillation or stability in a predator-prey system. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 3163-3171.	1.2	63
82	Coupled ecological and social dynamics in a forested landscape: the deviation of individual decisions from the social optimum. <i>Ecological Research</i> , 2006, 21, 370-379.	0.7	62
83	Genetic Addiction: Selfish Gene's Strategy for Symbiosis in the Genome. <i>Genetics</i> , 2006, 172, 1309-1323.	1.2	62
84	Somatic selection for and against cancer. <i>Journal of Theoretical Biology</i> , 2003, 225, 377-382.	0.8	61
85	Comparative Study of Circadian Clock Models, in Search of Processes Promoting Oscillation. <i>Journal of Theoretical Biology</i> , 2002, 216, 193-208.	0.8	59
86	Inferring the Rates of Branching and Extinction from Molecular Phylogenies. <i>Evolution; International Journal of Organic Evolution</i> , 1995, 49, 694.	1.1	57
87	Probability of Clonal Identity: Inferring the Relative Success of Sexual Versus Clonal Reproduction from Spatial Genetic Patterns. <i>Journal of Ecology</i> , 1997, 85, 591.	1.9	57
88	Species Coexistence by Permanent Spatial Heterogeneity in a Lottery Model. <i>Theoretical Population Biology</i> , 2000, 57, 273-284.	0.5	57
89	Stochastic dynamics of metastasis formation. <i>Journal of Theoretical Biology</i> , 2006, 240, 521-530.	0.8	57
90	How canalization can make loops: A new model of reticulated leaf vascular pattern formation. <i>Journal of Theoretical Biology</i> , 2006, 243, 235-244.	0.8	57

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91	The Evolution of Two Mutations During Clonal Expansion. <i>Genetics</i> , 2007, 177, 2209-2221.	1.2	57
92	A Model for the Circadian Rhythm of Cyanobacteria that Maintains Oscillation without Gene Expression. <i>Biophysical Journal</i> , 2006, 91, 2015-2023.	0.2	56
93	Patterns of Cell Division and the Risk of Cancer. <i>Genetics</i> , 2003, 163, 1527-1532.	1.2	56
94	Relative entropy under mappings by stochastic matrices. <i>Linear Algebra and Its Applications</i> , 1993, 179, 211-235.	0.4	54
95	Optimal Level of Chemical Defense Decreasing with Leaf Age. <i>Theoretical Population Biology</i> , 1996, 50, 124-148.	0.5	53
96	Stripes, spots, or reversed spots in two-dimensional Turing systems. <i>Journal of Theoretical Biology</i> , 2003, 224, 339-350.	0.8	53
97	The evolution of a MÃ¼llerian mimic in a spatially distributed community. <i>Journal of Theoretical Biology</i> , 2005, 237, 87-103.	0.8	53
98	Population genetics of tumor suppressor genes. <i>Journal of Theoretical Biology</i> , 2005, 233, 15-23.	0.8	52
99	Reputation Effects in Public and Private Interactions. <i>PLoS Computational Biology</i> , 2015, 11, e1004527.	1.5	51
100	Evolutionary Dynamics of Intratumor Heterogeneity. <i>PLoS ONE</i> , 2011, 6, e17866.	1.1	51
101	Dynamic modeling of wave regeneration (Shimagare) in subalpine <i>Abies</i> forests. <i>Journal of Theoretical Biology</i> , 1991, 152, 143-158.	0.8	50
102	Temperature compensation in circadian clock models. <i>Journal of Theoretical Biology</i> , 2005, 233, 453-468.	0.8	50
103	Stochastic elimination of cancer cells. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003, 270, 2017-2024.	1.2	49
104	Nonlinear behavior of the socio-economic dynamics for lake eutrophication control. <i>Ecological Economics</i> , 2007, 63, 219-229.	2.9	49
105	The pace of evolution across fitness valleys. <i>Journal of Theoretical Biology</i> , 2009, 259, 613-620.	0.8	49
106	Mechanisms for split localization of <i>Fgf10</i> expression in early lung development. <i>Developmental Dynamics</i> , 2009, 238, 2813-2822.	0.8	48
107	Unique coevolutionary dynamics in a predatorâ€“prey system. <i>Journal of Theoretical Biology</i> , 2011, 277, 83-89.	0.8	48
108	Evolutionary Branching in a Finite Population: Deterministic Branching vs. Stochastic Branching. <i>Genetics</i> , 2013, 193, 229-241.	1.2	48

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109	Games of corruption: How to suppress illegal logging. <i>Journal of Theoretical Biology</i> , 2015, 367, 1-13.	0.8	48
110	Optimal Recombination Rate in Fluctuating Environments. <i>Genetics</i> , 1987, 115, 377-388.	1.2	48
111	Why pollinators visit only a fraction of the open flowers on a plant: The plant's point of view. <i>Journal of Evolutionary Biology</i> , 1995, 8, 439-453.	0.8	47
112	Competition by Allelopathy Proceeds in Traveling Waves: Colicin-Immune Strain Aids Colicin-Sensitive Strain. <i>Theoretical Population Biology</i> , 2000, 57, 131-144.	0.5	45
113	Saturation of Enzyme Kinetics in Circadian Clock Models. <i>Journal of Biological Rhythms</i> , 2002, 17, 568-577.	1.4	45
114	EVOLUTION OF THE NUMBER OF SEXES. <i>Evolution; International Journal of Organic Evolution</i> , 1987, 41, 49-65.	1.1	44
115	The Evolution of X-Linked Genomic Imprinting. <i>Genetics</i> , 2001, 158, 1801-1809.	1.2	44
116	Directionality of Stripes Formed by Anisotropic Reaction-Diffusion Models. <i>Journal of Theoretical Biology</i> , 2002, 214, 549-561.	0.8	43
117	SEXUAL SELECTION CAN INCREASE THE EFFECT OF RANDOM GENETIC DRIFT-A QUANTITATIVE GENETIC MODEL OF POLYMORPHISM IN OOPHAGA PUMILIO, THE STRAWBERRY POISON-DART FROG. <i>Evolution; International Journal of Organic Evolution</i> , 2010, 64, 1719-1728.	1.1	43
118	Species persistence in landscapes with spatial variation in habitat quality: A pair approximation model. <i>Journal of Theoretical Biology</i> , 2013, 335, 22-30.	0.8	42
119	Stress-mediated Allee effects can cause the sudden collapse of honey bee colonies. <i>Journal of Theoretical Biology</i> , 2017, 420, 213-219.	0.8	42
120	Linear model of colon cancer initiation. <i>Cell Cycle</i> , 2004, 3, 358-62.	1.3	42
121	Coupled ecological-social dynamics in a forested landscape: Spatial interactions and information flow. <i>Journal of Theoretical Biology</i> , 2007, 246, 695-707.	0.8	41
122	Traveling wave formation in vertebrate segmentation. <i>Journal of Theoretical Biology</i> , 2009, 257, 385-396.	0.8	41
123	A stochastic model of chromatin modification: Cell population coding of winter memory in plants. <i>Journal of Theoretical Biology</i> , 2012, 302, 6-17.	0.8	41
124	Evolution of contest competition and its effect on host-parasitoid dynamics. <i>Evolutionary Ecology</i> , 1998, 12, 855-870.	0.5	40
125	Some basic properties of immune selection. <i>Journal of Theoretical Biology</i> , 2004, 229, 179-188.	0.8	40
126	ESS emergence pattern of male butterflies in stochastic environments. <i>Evolutionary Ecology</i> , 1994, 8, 503-523.	0.5	38

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127	Variable Timing of Reproduction in Unpredictable Environments: Adaption of Flood Plain Plants. <i>Theoretical Population Biology</i> , 2001, 60, 1-15.	0.5	38
128	Local Regulation of Homeostasis Favors Chromosomal Instability. <i>Current Biology</i> , 2003, 13, 581-584.	1.8	38
129	Tragedy of the commons in plant water use. <i>Water Resources Research</i> , 2006, 42, .	1.7	38
130	Origin of directionality in the fish stripe pattern. <i>Developmental Dynamics</i> , 2003, 226, 627-633.	0.8	37
131	Optimal Growth Pattern of Defensive Organs: The Diversity of Shell Growth among Mollusks. <i>American Naturalist</i> , 2005, 165, 238-249.	1.0	37
132	Pessimistic plant: Optimal growth schedule in stochastic environments. <i>Theoretical Population Biology</i> , 1991, 40, 246-268.	0.5	35
133	Virus evolution within patients increases pathogenicity. <i>Journal of Theoretical Biology</i> , 2005, 232, 17-26.	0.8	35
134	Social evolution leads to persistent corruption. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 13276-13281.	3.3	34
135	Synchronized deforestation induced by social learning under uncertainty of forest-use value. <i>Ecological Economics</i> , 2007, 63, 452-462.	2.9	33
136	A Stochastic Model for Cell Sorting and Measuring Cell-Cell Adhesion. <i>Journal of Theoretical Biology</i> , 1996, 179, 129-146.	0.8	32
137	Evolution of condition-dependent dispersal: A genetic-algorithm search for the ESS reaction norm. <i>Researches on Population Ecology</i> , 1997, 39, 127-137.	0.9	32
138	Size-Dependent Mutability and Microsatellite Constraints. <i>Molecular Biology and Evolution</i> , 1999, 16, 960-966.	3.5	32
139	Growth Based Morphogenesis of Vertebrate Limb Bud. <i>Bulletin of Mathematical Biology</i> , 2008, 70, 1957-1978.	0.9	32
140	Dynamic modeling of branching morphogenesis of ureteric bud in early kidney development. <i>Journal of Theoretical Biology</i> , 2009, 259, 58-66.	0.8	32
141	Mechanisms inducing spatially extended synchrony in mast seeding: The role of pollen coupling and environmental fluctuation. <i>Ecological Research</i> , 2004, 19, 13-20.	0.7	31
142	Dynamic optimization of host defense, immune memory, and post-infection pathogen levels in mammals. <i>Journal of Theoretical Biology</i> , 2004, 228, 17-29.	0.8	31
143	First passage time to allopatric speciation. <i>Interface Focus</i> , 2013, 3, 20130026.	1.5	31
144	Duration of Female Availability and Its Effect on Butterfly Mating Systems. <i>American Naturalist</i> , 1985, 125, 673-678.	1.0	31

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145	Comparing Risk Factors for Population Extinction. <i>Journal of Theoretical Biology</i> , 2000, 204, 327-336.	0.8	30
146	The coupled dynamics of human socio-economic choice and lake water system: the interaction of two sources of nonlinearity. <i>Ecological Research</i> , 2009, 24, 479-489.	0.7	30
147	Paradox of marine protected areas: suppression of fishing may cause species loss. <i>Population Ecology</i> , 2012, 54, 475-485.	0.7	30
148	Accuracy of positional information provided by multiple morphogen gradients with correlated noise. <i>Physical Review E</i> , 2009, 79, 061905.	0.8	29
149	Coordinated changes in cell membrane and cytoplasm during maturation of apoptotic bleb. <i>Molecular Biology of the Cell</i> , 2020, 31, 833-844.	0.9	29
150	Incomplete mixing promotes species coexistence in a lottery model with permanent spatial heterogeneity. <i>Theoretical Population Biology</i> , 2003, 64, 359-368.	0.5	28
151	Forest gap dynamics and the Ising model. <i>Journal of Theoretical Biology</i> , 2004, 230, 65-75.	0.8	28
152	Genetic instability and clonal expansion. <i>Journal of Theoretical Biology</i> , 2006, 241, 26-32.	0.8	28
153	Estimate of population extinction risk and its application to ecological risk management. <i>Population Ecology</i> , 2000, 42, 73-80.	0.7	27
154	SIGNALING EFFICACY DRIVES THE EVOLUTION OF LARGER SEXUAL ORNAMENTS BY SEXUAL SELECTION. <i>Evolution; International Journal of Organic Evolution</i> , 2014, 68, 216-229.	1.1	27
155	Evolution of the Number of Sexes. <i>Evolution; International Journal of Organic Evolution</i> , 1987, 41, 49.	1.1	26
156	Lattice Models and Pair Approximation in Ecology. , 2000, , 227-251.		26
157	REPRODUCTIVE ASYNCHRONY INCREASES WITH ENVIRONMENTAL DISTURBANCE. <i>Evolution; International Journal of Organic Evolution</i> , 2001, 55, 830.	1.1	26
158	Conflict between groups of players in coupled socio-economic and ecological dynamics. <i>Ecological Economics</i> , 2009, 68, 1106-1115.	2.9	26
159	Temperature-dependent sex determination, realized by hormonal dynamics with enzymatic reactions sensitive to ambient temperature. <i>Journal of Theoretical Biology</i> , 2018, 453, 146-155.	0.8	26
160	Size distribution dynamics of plants with interaction by shading. <i>Ecological Modelling</i> , 1986, 33, 173-184.	1.2	25
161	Evolution of the Selfing Rate and Resource Allocation Models. <i>Plant Species Biology</i> , 1990, 5, 19-30.	0.6	25
162	Analyses of spatial patterns and population processes of clonal plants. <i>Researches on Population Ecology</i> , 1996, 38, 153-164.	0.9	25

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163	Optimal seasonal schedules and the relative dominance of heteromorphic and isomorphic life cycles in macroalgae. <i>Journal of Theoretical Biology</i> , 2010, 267, 201-212.	0.8	25
164	Graduated punishment is efficient in resource management if people are heterogeneous. <i>Journal of Theoretical Biology</i> , 2013, 333, 117-125.	0.8	25
165	An Evolutionary Approach for Identifying Driver Mutations in Colorectal Cancer. <i>PLoS Computational Biology</i> , 2015, 11, e1004350.	1.5	25
166	Overdispersed Molecular Evolution in Constant Environments. <i>Journal of Theoretical Biology</i> , 1993, 164, 373-393.	0.8	24
167	Optimal Defense Strategy: Storage vs. New Production. <i>Journal of Theoretical Biology</i> , 2002, 219, 309-323.	0.8	24
168	Extinction risk to herring gull populations from DDT exposure. <i>Environmental Toxicology and Chemistry</i> , 2002, 21, 195-202.	2.2	24
169	Single-class orbits in nonlinear Leslie matrix models for semelparous populations. <i>Journal of Mathematical Biology</i> , 2007, 55, 781-802.	0.8	24
170	The Great Oxygenation Event as a consequence of ecological dynamics modulated by planetary change. <i>Nature Communications</i> , 2021, 12, 3985.	5.8	24
171	Probability of population extinction accompanying a temporary decrease of population size. <i>Researches on Population Ecology</i> , 1988, 30, 145-164.	0.9	23
172	Female Mate Preference to Maximize Paternal Care. II. Female Competition Leads to Monogamy. <i>American Naturalist</i> , 1998, 151, 367-382.	1.0	23
173	Both seedling banks and specialist seed predators promote the evolution of synchronized and intermittent reproduction (masting) in trees. <i>Journal of Ecology</i> , 2010, 98, 1398-1408.	1.9	23
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