

Michael B Bonsall

List of Publications by Year in descending order

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Version: 2024-02-01

199
papers

6,758
citations

76196

40
h-index

88477

70
g-index

293
all docs

293
docs citations

293
times ranked

10056
citing authors

#	ARTICLE	IF	CITATIONS
1	Zika virus in the Americas: Early epidemiological and genetic findings. <i>Science</i> , 2016, 352, 345-349.	6.0	877
2	Computer Game Play Reduces Intrusive Memories of Experimental Trauma via Reconsolidation-Update Mechanisms. <i>Psychological Science</i> , 2015, 26, 1201-1215.	1.8	219
3	Enemy-mediated apparent competition: empirical patterns and the evidence. <i>Oikos</i> , 2000, 88, 380-394.	1.2	215
4	Apparent Competition. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2017, 48, 447-471.	3.8	205
5	Machine learning and artificial intelligence to aid climate change research and preparedness. <i>Environmental Research Letters</i> , 2019, 14, 124007.	2.2	181
6	The evolutionary ecology of pre- and post-meiotic sperm senescence. <i>Trends in Ecology and Evolution</i> , 2008, 23, 131-140.	4.2	165
7	Linking patterns in phylogeny, traits, abiotic variables and space: a novel approach to linking environmental filtering and plant community assembly. <i>Journal of Ecology</i> , 2011, 99, 165-175.	1.9	141
8	Seasonal migration to high latitudes results in major reproductive benefits in an insect. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 14924-14929.	3.3	131
9	Life History Trade-Offs Assemble Ecological Guilds. <i>Science</i> , 2004, 306, 111-114.	6.0	122
10	Reducing intrusive traumatic memories after emergency caesarean section: A proof-of-principle randomized controlled study. <i>Behaviour Research and Therapy</i> , 2017, 94, 36-47.	1.6	114
11	The Dynamics of Cooperative Bacterial Virulence in the Field. <i>Science</i> , 2012, 337, 85-88.	6.0	112
12	Correlations between phylogenetic and functional diversity: mathematical artefacts or true ecological and evolutionary processes?. <i>Journal of Vegetation Science</i> , 2013, 24, 781-793.	1.1	103
13	When to Care for, Abandon, or Eat Your Offspring: The Evolution of Parental Care and Filial Cannibalism. <i>American Naturalist</i> , 2007, 170, 886-901.	1.0	98
14	Environmental Factors Determining the Epidemiology and Population Genetic Structure of the <i>Bacillus cereus</i> Group in the Field. <i>PLoS Pathogens</i> , 2010, 6, e1000905.	2.1	94
15	Mood stability versus mood instability in bipolar disorder: A possible role for emotional mental imagery. <i>Behaviour Research and Therapy</i> , 2011, 49, 707-713.	1.6	87
16	LIFE HISTORY AND THE EVOLUTION OF PARENTAL CARE. <i>Evolution; International Journal of Organic Evolution</i> , 2010, 64, 823-835.	1.1	83
17	A mid-gut microbiota is not required for the pathogenicity of <i>Bacillus thuringiensis</i> to diamondback moth larvae. <i>Environmental Microbiology</i> , 2009, 11, 2556-2563.	1.8	82
18	What are the benefits of parental care? The importance of parental effects on developmental rate. <i>Ecology and Evolution</i> , 2014, 4, 2330-2351.	0.8	77

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19	<i>Aedes aegypti</i> control: the concomitant role of competition, space and transgenic technologies. <i>Journal of Applied Ecology</i> , 2008, 45, 1258-1265.	1.9	75
20	Demographic and environmental stochasticity in predator-prey metapopulation dynamics. <i>Journal of Animal Ecology</i> , 2004, 73, 1043-1055.	1.3	72
21	Decomposition of trait diversity among the nodes of a phylogenetic tree. <i>Ecological Monographs</i> , 2010, 80, 485-507.	2.4	72
22	Hierarchical partitioning of evolutionary and ecological patterns in the organization of phylogenetically structured species assemblages: application to rockfish (genus: <i>Sebastes</i>) in the Southern California Bight. <i>Ecology Letters</i> , 2009, 12, 898-908.	3.0	71
23	Population dynamics of apparent competition in a host-parasitoid assemblage. <i>Journal of Animal Ecology</i> , 1998, 67, 918-929.	1.3	66
24	Metapopulation structures affect persistence of predator-prey interactions. <i>Journal of Animal Ecology</i> , 2002, 71, 1075-1084.	1.3	66
25	A Model Framework to Estimate Impact and Cost of Genetics-Based Sterile Insect Methods for Dengue Vector Control. <i>PLoS ONE</i> , 2011, 6, e25384.	1.1	64
26	Protists have divergent effects on bacterial diversity along a productivity gradient. <i>Biology Letters</i> , 2010, 6, 639-642.	1.0	60
27	Cooperation and the evolutionary ecology of bacterial virulence: The <i>Bacillus cereus</i> group as a novel study system. <i>BioEssays</i> , 2013, 35, 706-716.	1.2	60
28	Island biogeography: patterns of marine shallow-water organisms in the Atlantic Ocean. <i>Journal of Biogeography</i> , 2015, 42, 1871-1882.	1.4	58
29	Genetics-based methods for agricultural insect pest management. <i>Agricultural and Forest Entomology</i> , 2018, 20, 131-140.	0.7	58
30	Species interactions regulate the collapse of biodiversity and ecosystem function in tropical forest fragments. <i>Ecology</i> , 2015, 96, 2692-2704.	1.5	57
31	How and When to End the COVID-19 Lockdown: An Optimization Approach. <i>Frontiers in Public Health</i> , 2020, 8, 262.	1.3	57
32	Antagonistic competition moderates virulence in <i>Bacillus thuringiensis</i> . <i>Ecology Letters</i> , 2011, 14, 765-772.	3.0	55
33	Longevity and ageing: appraising the evolutionary consequences of growing old. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2006, 361, 119-135.	1.8	50
34	Theoretical foundations of parental care. , 2012, , 20-39.		50
35	EVOLUTIONARY ANALYSIS OF LIFE SPAN, COMPETITION, AND ADAPTIVE RADIATION, MOTIVATED BY THE PACIFIC ROCKFISHES (SEBASTES). <i>Evolution; International Journal of Organic Evolution</i> , 2007, 61, 1208-1224.	1.1	49
36	Interplay of population genetics and dynamics in the genetic control of mosquitoes. <i>Journal of the Royal Society Interface</i> , 2014, 11, 20131071.	1.5	49

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37	THE PHANTOM MIDGE AND A COMPARISON OF METAPOPOPULATION STRUCTURES. <i>Ecology</i> , 2002, 83, 116-128.	1.5	48
38	Trophic interaction modifications: an empirical and theoretical framework. <i>Ecology Letters</i> , 2017, 20, 1219-1230.	3.0	48
39	Modeling resistance to genetic control of insects. <i>Journal of Theoretical Biology</i> , 2011, 270, 42-55.	0.8	47
40	From phylogenetic to functional originality: Guide through indices and new developments. <i>Ecological Indicators</i> , 2017, 82, 196-205.	2.6	47
41	Combining Pest Control and Resistance Management: Synergy of Engineered Insects With Bt Crops. <i>Journal of Economic Entomology</i> , 2009, 102, 717-732.	0.8	45
42	The effects of metapopulation structure on indirect interactions in host-parasitoid assemblages. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2000, 267, 2207-2212.	1.2	44
43	ECOLOGICAL TRADE-OFFS, RESOURCE PARTITIONING, AND COEXISTENCE IN A HOST-PARASITOID ASSEMBLAGE. <i>Ecology</i> , 2002, 83, 925-934.	1.5	42
44	Bipolar disorder dynamics: affective instabilities, relaxation oscillations and noise. <i>Journal of the Royal Society Interface</i> , 2015, 12, 20150670.	1.5	41
45	Life-history trade-offs and ecological dynamics in the evolution of longevity. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004, 271, 1143-1150.	1.2	38
46	Competition and reproduction in mixed infections of pathogenic and non-pathogenic <i>Bacillus</i> spp.. <i>Journal of Invertebrate Pathology</i> , 2007, 96, 151-155.	1.5	38
47	Phenotypic Evolutionary Models in Stem Cell Biology: Replacement, Quiescence, and Variability. <i>PLoS ONE</i> , 2008, 3, e1591.	1.1	38
48	The origin of parental care in relation to male and female life history. <i>Ecology and Evolution</i> , 2013, 3, 779-791.	0.8	38
49	The Goldilocks Window of Personalized Chemotherapy: Getting the Immune Response Just Right. <i>Cancer Research</i> , 2019, 79, 5302-5315.	0.4	38
50	Transcriptional Regulation of <i>Culex pipiens</i> Mosquitoes by <i>Wolbachia</i> Influences Cytoplasmic Incompatibility. <i>PLoS Pathogens</i> , 2013, 9, e1003647.	2.1	37
51	THE INTERACTIVE EFFECTS OF PARASITES, DISTURBANCE, AND PRODUCTIVITY ON EXPERIMENTAL ADAPTIVE RADIATIONS. <i>Evolution; International Journal of Organic Evolution</i> , 2008, 62, 467-477.	1.1	36
52	Bottom-up and top-down effects in a tritrophic system: the population dynamics of <i>Plutella xylostella</i> (L.)- <i>Cotesia plutellae</i> (Kurdjumov) on different host plants. <i>Ecological Entomology</i> , 2004, 29, 285-293.	1.1	33
53	Abrupt environmental changes drive shifts in tree-grass interaction outcomes. <i>Journal of Ecology</i> , 2011, 99, 1063-1070.	1.9	32
54	Climate change impacts on ecosystem functioning: evidence from an <i>Empetrum</i> heathland. <i>New Phytologist</i> , 2012, 193, 150-164.	3.5	32

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55	The impact of diseases and pathogens on insect population dynamics. <i>Physiological Entomology</i> , 2004, 29, 223-236.	0.6	31
56	Ecological consequences of ingestion of <i>Bacillus cereus</i> on <i>Bacillus thuringiensis</i> infections and on the gut flora of a lepidopteran host. <i>Journal of Invertebrate Pathology</i> , 2008, 99, 103-111.	1.5	31
57	Life history traits, but not phylogeny, drive compositional patterns in a butterfly metacommunity. <i>Ecology</i> , 2014, 95, 3304-3313.	1.5	31
58	IMPACT OF BACTERIAL MUTATION RATE ON COEVOLUTIONARY DYNAMICS BETWEEN BACTERIA AND PHAGES. <i>Evolution; International Journal of Organic Evolution</i> , 2010, 64, no-no.	1.1	30
59	Modelling knowlesi malaria transmission in humans: vector preference and host competence. <i>Malaria Journal</i> , 2010, 9, 329.	0.8	30
60	Sex differences in life history drive evolutionary transitions among maternal, paternal, and biparental care. <i>Ecology and Evolution</i> , 2013, 3, 792-806.	0.8	30
61	Predicting seasonal influenza epidemics using cross-hemisphere influenza surveillance data and local internet query data. <i>Scientific Reports</i> , 2019, 9, 3262.	1.6	30
62	Invasion and dynamics of covert infection strategies in structured insect pathogen populations. <i>Journal of Animal Ecology</i> , 2005, 74, 464-474.	1.3	29
63	Phylogenetic and functional evidence suggests that deep-ocean ecosystems are highly sensitive to environmental change and direct human disturbance. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20180923.	1.2	29
64	Indirect effects and spatial scaling affect the persistence of multispecies metapopulations. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2005, 272, 1465-1471.	1.2	28
65	Individual and Population-Level Impacts of an Emerging Poxvirus Disease in a Wild Population of Great Tits. <i>PLoS ONE</i> , 2012, 7, e48545.	1.1	28
66	The effects of colonization, extinction and competition on coexistence in metacommunities. <i>Journal of Animal Ecology</i> , 2009, 78, 866-879.	1.3	27
67	The evolution of parental care in stochastic environments. <i>Journal of Evolutionary Biology</i> , 2011, 24, 645-655.	0.8	27
68	Metapopulation extinction risk is increased by environmental stochasticity and assemblage complexity. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 87-96.	1.2	26
69	Sleep and intrusive memories immediately after a traumatic event in emergency department patients. <i>Sleep</i> , 2020, 43, .	0.6	26
70	The Timing of Evolutionary Transitions Suggests Intelligent Life is Rare. <i>Astrobiology</i> , 2021, 21, 265-278.	1.5	26
71	The shape of things to come: using models with physiological structure to predict mortality trajectories. <i>Theoretical Population Biology</i> , 2004, 65, 353-359.	0.5	25
72	The value of existing regulatory frameworks for the environmental risk assessment of agricultural pest control using gene drives. <i>Environmental Science and Policy</i> , 2020, 108, 19-36.	2.4	24

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73	The relative importance of biotic and abiotic processes for structuring plant communities through time. <i>Journal of Ecology</i> , 2015, 103, 459-472.	1.9	23
74	Adequacy and sufficiency evaluation of existing EFSA guidelines for the molecular characterisation, environmental risk assessment and post-market environmental monitoring of genetically modified insects containing engineered gene drives. <i>EFSA Journal</i> , 2020, 18, e06297.	0.9	23
75	Stability in Ecosystem Functioning across a Climatic Threshold and Contrasting Forest Regimes. <i>PLoS ONE</i> , 2011, 6, e16134.	1.1	23
76	Habitat shape, metapopulation processes and the dynamics of multispecies predator-prey interactions. <i>Journal of Animal Ecology</i> , 2006, 75, 899-907.	1.3	22
77	EVOLUTION: Aging and Sexual Conflict. <i>Science</i> , 2007, 316, 383-384.	6.0	22
78	Stem cell biology is population biology: differentiation of hematopoietic multipotent progenitors to common lymphoid and myeloid progenitors. <i>Theoretical Biology and Medical Modelling</i> , 2013, 10, 5.	2.1	22
79	The evolutionary and coevolutionary consequences of defensive microbes for host-parasite interactions. <i>BMC Evolutionary Biology</i> , 2017, 17, 190.	3.2	22
80	Ecological effects on underdominance threshold drives for vector control. <i>Journal of Theoretical Biology</i> , 2018, 456, 1-15.	0.8	22
81	The effect of the definition of "pandemic"™ on quantitative assessments of infectious disease outbreak risk. <i>Scientific Reports</i> , 2021, 11, 2547.	1.6	22
82	The Effects of Enrichment on the Dynamics of Apparent Competitive Interactions in Stage-Structured Systems. <i>American Naturalist</i> , 2003, 162, 780-795.	1.0	21
83	Corrigendum. <i>Ecology Letters</i> , 2009, 12, 999-999.	3.0	21
84	High prevalence of obligate coral-dwelling decapods on dead corals in the Chagos Archipelago, central Indian Ocean. <i>Coral Reefs</i> , 2015, 34, 905-915.	0.9	21
85	The interplay of vaccination and vector control on small dengue networks. <i>Journal of Theoretical Biology</i> , 2016, 407, 349-361.	0.8	21
86	Importance of Space and Competition in Optimizing Genetic Control Strategies. <i>Journal of Economic Entomology</i> , 2009, 102, 50-57.	0.8	20
87	Understanding Ecological Concepts: The Role of Laboratory Systems. <i>Advances in Ecological Research</i> , 2005, , 1-36.	1.4	19
88	Proportions of different habitat types are critical to the fate of a resistance allele. <i>Theoretical Ecology</i> , 2008, 1, 103-115.	0.4	19
89	Biological diversity: Distinct distributions can lead to the maximization of Rao's quadratic entropy. <i>Theoretical Population Biology</i> , 2009, 75, 153-163.	0.5	19
90	Density-dependent population dynamics and dispersal in heterogeneous metapopulations. <i>Journal of Animal Ecology</i> , 2011, 80, 282-293.	1.3	19

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91	Evolutionary and population dynamics of host-parasitoid interactions. <i>Researches on Population Ecology</i> , 1999, 41, 81-91.	0.9	18
92	Coexistence of natural enemies in a multitrophic host-parasitoid system. <i>Ecological Entomology</i> , 2004, 29, 639-647.	1.1	18
93	Transgenic Control of Vectors: The Effects of Interspecific Interactions. <i>Israel Journal of Ecology and Evolution</i> , 2010, 56, 353-370.	0.2	18
94	Type of fitness cost influences the rate of evolution of resistance to transgenic Bt crops. <i>Journal of Applied Ecology</i> , 2016, 53, 1391-1401.	1.9	18
95	Insect-host control of obligate, intracellular symbiont density. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20211993.	1.2	18
96	Generation cycles in Indonesian lady beetle populations may occur as a result of cannibalism. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004, 271, S501-4.	1.2	17
97	<i>Plasmodium knowlesi</i> invasion following spread by infected mosquitoes, macaques and humans. <i>Parasitology</i> , 2018, 145, 101-110.	0.7	17
98	Parasitism, biodiversity, and conservation. , 2005, , 124-139.		17
99	Stochastic Dynamics of Interacting Haematopoietic Stem Cell Niche Lineages. <i>PLoS Computational Biology</i> , 2014, 10, e1003794.	1.5	16
100	Clonal hematopoiesis of indeterminate potential and its impact on patient trajectories after stem cell transplantation. <i>PLoS Computational Biology</i> , 2019, 15, e1006913.	1.5	16
101	Periodic local disturbance in host-parasitoid metapopulations: host suppression and parasitoid persistence. <i>Journal of Theoretical Biology</i> , 2004, 227, 13-23.	0.8	15
102	Overcompensatory population dynamic responses to environmental stochasticity. <i>Journal of Animal Ecology</i> , 2008, 77, 1296-1305.	1.3	15
103	Simulating social-ecological systems: the Island Digital Ecosystem Avatars (IDEA) consortium. <i>GigaScience</i> , 2016, 5, 14.	3.3	15
104	Feedback control in planarian stem cell systems. <i>BMC Systems Biology</i> , 2016, 10, 17.	3.0	15
105	Plant controls on Late Quaternary whole ecosystem structure and function. <i>Ecology Letters</i> , 2018, 21, 814-825.	3.0	15
106	Optimal control of malaria: combining vector interventions and drug therapies. <i>Malaria Journal</i> , 2018, 17, 174.	0.8	15
107	A Mathematical Model of <i>Campylobacter</i> Dynamics Within a Broiler Flock. <i>Frontiers in Microbiology</i> , 2019, 10, 1940.	1.5	15
108	Potential use of gene drive modified insects against disease vectors, agricultural pests and invasive species poses new challenges for risk assessment. <i>Critical Reviews in Biotechnology</i> , 2022, 42, 254-270.	5.1	15

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109	Effects of maternal age and stress on offspring quality in a viviparous fly. <i>Ecology Letters</i> , 2021, 24, 2113-2122.	3.0	15
110	Multiple infections alter density dependence in host-pathogen interactions. <i>Journal of Animal Ecology</i> , 2005, 74, 937-945.	1.3	14
111	A New Technique for Analysing Interacting Factors Affecting Biodiversity Patterns: Crossed-DPCoA. <i>PLoS ONE</i> , 2013, 8, e54530.	1.1	14
112	Risk management recommendations for environmental releases of gene drive modified insects. <i>Biotechnology Advances</i> , 2022, 54, 107807.	6.0	14
113	The role of age-structure on the persistence and the dynamics of insect herbivore-parasitoid interactions. <i>Oikos</i> , 2001, 93, 59-68.	1.2	13
114	Insect herbivory on seedlings of rainforest trees: Effects of density and distance of conspecific and heterospecific neighbors. <i>Ecology and Evolution</i> , 2018, 8, 12702-12711.	0.8	13
115	The ecological and epidemiological consequences of reproductive interference between the vectors <i>Aedes aegypti</i> and <i>Aedes albopictus</i> . <i>Journal of the Royal Society Interface</i> , 2019, 16, 20190270.	1.5	13
116	Gene Drive-Modified Organisms: Developing Practical Risk Assessment Guidance. <i>Trends in Biotechnology</i> , 2021, 39, 853-856.	4.9	13
117	Nanopore metagenomic sequencing for detection and characterization of SARS-CoV-2 in clinical samples. <i>PLoS ONE</i> , 2021, 16, e0259712.	1.1	13
118	The evolution of anisogamy: The adaptive significance of damage, repair and mortality. <i>Journal of Theoretical Biology</i> , 2006, 238, 198-210.	0.8	12
119	A network approach to modeling population aggregation and genetic control of pest insects. <i>Theoretical Population Biology</i> , 2008, 74, 324-331.	0.5	12
120	"Tales of <i>Symphonia</i> ™: extinction dynamics in response to past climate change in Madagascan rainforests. <i>Biology Letters</i> , 2009, 5, 821-825.	1.0	12
121	Moderation of pathogen-induced mortality: the role of density in <i>Bacillus thuringiensis</i> virulence. <i>Biology Letters</i> , 2009, 5, 218-220.	1.0	12
122	Effects of among-offspring relatedness on the origins and evolution of parental care and filial cannibalism. <i>Journal of Evolutionary Biology</i> , 2011, 24, 1335-1350.	0.8	12
123	Approximating the Critical Domain Size of Integrodifference Equations. <i>Bulletin of Mathematical Biology</i> , 2016, 78, 72-109.	0.9	12
124	Combining the high-dose/refuge strategy and self-limiting transgenic insects in resistance management—A test in experimental mesocosms. <i>Evolutionary Applications</i> , 2018, 11, 727-738.	1.5	12
125	Mammal extinctions and the increasing isolation of humans on the tree of life. <i>Ecology and Evolution</i> , 2019, 9, 914-924.	0.8	12
126	Engaging Religious Institutions and Faith-Based Communities in Public Health Initiatives: A Case Study of the Romanian Orthodox Church During the COVID-19 Pandemic. <i>Frontiers in Public Health</i> , 2021, 9, 768091.	1.3	12

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127	Altruism and the evolution of resource generalism and specialism. <i>Ecology and Evolution</i> , 2012, 2, 515-524.	0.8	11
128	The impact of strain diversity and mixed infections on the evolution of resistance to <i>Bacillus thuringiensis</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20131497.	1.2	11
129	Spatial variation in the magnitude and functional form of density-dependent processes on the large skipper butterfly <i>Ochloides sylvanus</i> . <i>Ecological Entomology</i> , 2013, 38, 608-616.	1.1	11
130	Physiological dynamics, reproduction-maintenance allocations, and life history evolution. <i>Ecology and Evolution</i> , 2019, 9, 9312-9323.	0.8	11
131	Crystal toxins and the volunteer's dilemma in bacteria. <i>Journal of Evolutionary Biology</i> , 2019, 32, 310-319.	0.8	11
132	The Challenges in Developing Efficient and Robust Synthetic Homing Endonuclease Gene Drives. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 856981.	2.0	11
133	Density dependence, lifespan and the evolutionary dynamics of longevity. <i>Theoretical Population Biology</i> , 2009, 75, 46-55.	0.5	10
134	BMC Ecology image competition: the winning images. <i>BMC Ecology</i> , 2013, 13, 6.	3.0	10
135	Interaction modifications lead to greater robustness than pairwise non-trophic effects in food webs. <i>Journal of Animal Ecology</i> , 2019, 88, 1732-1742.	1.3	10
136	An upper bound for the background rate of human extinction. <i>Scientific Reports</i> , 2019, 9, 11054.	1.6	10
137	Optimal control for disease vector management in SIT models: an integrodifference equation approach. <i>Journal of Mathematical Biology</i> , 2019, 78, 1821-1839.	0.8	10
138	Common mechanisms explain nitrogen-dependent growth of Arctic shrubs over three decades despite heterogeneous trends and declines in soil nitrogen availability. <i>New Phytologist</i> , 2022, 233, 670-686.	3.5	10
139	The impact of alternative harvesting strategies in a resource-consumer metapopulation. <i>Journal of Applied Ecology</i> , 2011, 48, 102-111.	1.9	9
140	BMC Ecology image competition 2014: the winning images. <i>BMC Ecology</i> , 2014, 14, 24.	3.0	9
141	Allee effects and the spatial dynamics of a locally endangered butterfly, the high brown fritillary (<i>Argynnis adippe</i>)., 2014, 24, 108-120.		9
142	Asiatic cotton can generate similar economic benefits to Bt cotton under rainfed conditions. <i>Nature Plants</i> , 2015, 1, 15072.	4.7	9
143	The evolution of sleep is inevitable in a periodic world. <i>PLoS ONE</i> , 2018, 13, e0201615.	1.1	9
144	The critical domain size of stochastic population models. <i>Journal of Mathematical Biology</i> , 2017, 74, 755-782.	0.8	8

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145	Insect pest control, approximate dynamic programming, and the management of the evolution of resistance. <i>Ecological Applications</i> , 2019, 29, e01851.	1.8	8
146	The application of self-limiting transgenic insects in managing resistance in experimental metapopulations. <i>Journal of Applied Ecology</i> , 2019, 56, 688-698.	1.9	8
147	A Mathematical Modeling Approach to Uncover Factors Influencing the Spread of <i>Campylobacter</i> in a Flock of Broiler-Breeder Chickens. <i>Frontiers in Microbiology</i> , 2020, 11, 576646.	1.5	8
148	How relevant is the basic reproductive number computed during the coronavirus disease 2019 (COVID-19) pandemic, especially during lockdowns?. <i>Infection Control and Hospital Epidemiology</i> , 2022, 43, 125-127.	1.0	8
149	Incorporating effects of age on energy dynamics predicts nonlinear maternal allocation patterns in iteroparous animals. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, 20211884.	1.2	8
150	Evolutionary stability and the rarity of grandmothing. <i>Ecology and Evolution</i> , 2017, 7, 3574-3578.	0.8	7
151	Trait and phylogenetic diversity provide insights into community assembly of reef-associated shrimps (<i>Palaemonidae</i>) at different spatial scales across the Chagos Archipelago. <i>Ecology and Evolution</i> , 2018, 8, 4098-4107.	0.8	7
152	Exceptional biodiversity of the cryptofaunal decapods in the Chagos Archipelago, central Indian Ocean. <i>Marine Pollution Bulletin</i> , 2018, 135, 636-647.	2.3	7
153	Optimal control approaches for combining medicines and mosquito control in tackling dengue. <i>Royal Society Open Science</i> , 2020, 7, 181843.	1.1	7
154	Weather variability and transmissibility of COVID-19: a time series analysis based on effective reproductive number. <i>Experimental Results</i> , 2021, 2, e15.	0.2	7
155	Repertoire analysis of γ T cells in the chicken enables functional annotation of the genomic region revealing highly variable pan-tissue TCR gamma V gene usage as well as identifying public and private repertoires. <i>BMC Genomics</i> , 2021, 22, 719.	1.2	7
156	BugSplit enables genome-resolved metagenomics through highly accurate taxonomic binning of metagenomic assemblies. <i>Communications Biology</i> , 2022, 5, 151.	2.0	7
157	The impact of non-lethal synergists on the population and evolutionary dynamics of host-pathogen interactions. <i>Journal of Theoretical Biology</i> , 2010, 262, 567-575.	0.8	6
158	Ignorance can be evolutionarily beneficial. <i>Ecology and Evolution</i> , 2018, 8, 71-77.	0.8	6
159	Temporary "Circuit Breaker" Lockdowns Could Effectively Delay a COVID-19 Second Wave Infection Peak to Early Spring. <i>Frontiers in Public Health</i> , 2020, 8, 614945.	1.3	6
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