

# 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	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
2	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
3	Risk management recommendations for environmental releases of gene drive modified insects. <i>Biotechnology Advances</i> , 2022, 54, 107807.	6.0	14
4	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
5	Life history, mating dynamics and the origin of parental care. <i>Journal of Evolutionary Biology</i> , 2022, 35, 379-390.	0.8	2
6	Evaluating strategies for spatial allocation of vaccines based on risk and centrality. <i>Journal of the Royal Society Interface</i> , 2022, 19, 20210709.	1.5	3
7	BugSplit enables genome-resolved metagenomics through highly accurate taxonomic binning of metagenomic assemblies. <i>Communications Biology</i> , 2022, 5, 151.	2.0	7
8	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
9	Catastrophe risk can accelerate unlikely evolutionary transitions. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, 20212711.	1.2	1
10	Mechanisms of biodiversity between <i>Campylobacter</i> sequence types in a flock of broiler-breeder chickens. <i>Ecology and Evolution</i> , 2022, 12, e8651.	0.8	2
11	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
12	Mathematical modelling of the mosquito <i>Aedes polynesiensis</i> in a heterogeneous environment. <i>Mathematical Biosciences</i> , 2022, , 108811.	0.9	0
13	Risk-benefit analysis of emergency vaccine use. <i>Scientific Reports</i> , 2022, 12, 7444.	1.6	2
14	Gene Drive-Modified Organisms: Developing Practical Risk Assessment Guidance. <i>Trends in Biotechnology</i> , 2021, 39, 853-856.	4.9	13
15	The Qualitative Stage of Building Bayesian Belief Networks in a Focus Group Setting: Decision-Making under Uncertainty among Vietnamese Rice Farmers. <i>Sociological Methods and Research</i> , 2021, 50, 75-102.	4.3	0
16	Combining refuges with transgenic insect releases for the management of an insect pest with non-recessive resistance to Bt crops in agricultural landscapes. <i>Journal of Theoretical Biology</i> , 2021, 509, 110514.	0.8	4
17	The Timing of Evolutionary Transitions Suggests Intelligent Life is Rare. <i>Astrobiology</i> , 2021, 21, 265-278.	1.5	26
18	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

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19	The evolutionary dynamics of viruses: virion release strategies, time delays and fitness minima. <i>Virus Evolution</i> , 2021, 7, veab039.	2.2	3
20	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
21	The concomitant effects of self-limiting insect releases and behavioural interference on patterns of coexistence and exclusion of competing mosquitoes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20210714.	1.2	0
22	Effects of maternal age and stress on offspring quality in a viviparous fly. <i>Ecology Letters</i> , 2021, 24, 2113-2122.	3.0	15
23	Optimal COVID-19 Vaccine Sharing Between Two Nations That Also Have Extensive Travel Exchanges. <i>Frontiers in Public Health</i> , 2021, 9, 633144.	1.3	4
24	Can good broiler flock welfare prevent colonization by <i>Campylobacter</i> ?. <i>Poultry Science</i> , 2021, 100, 101420.	1.5	0
25	Mechanistic modelling of COVID-19 and the impact of lockdowns on a short-time scale. <i>PLoS ONE</i> , 2021, 16, e0258084.	1.1	5
26	Repertoire analysis of $\gamma$ 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
27	Nanopore metagenomic sequencing for detection and characterization of SARS-CoV-2 in clinical samples. <i>PLoS ONE</i> , 2021, 16, e0259712.	1.1	13
28	Insect-host control of obligate, intracellular symbiont density. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20211993.	1.2	18
29	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
30	Identifying important interaction modifications in ecological systems. <i>Oikos</i> , 2020, 129, 147-157.	1.2	5
31	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
32	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
33	Visualizing connectivity of ecological and evolutionary concepts—An exploration of research on plant species rarity. <i>Ecology and Evolution</i> , 2020, 10, 9037-9047.	0.8	3
34	Evolution and maintenance of microbe-mediated protection under occasional pathogen infection. <i>Ecology and Evolution</i> , 2020, 10, 8634-8642.	0.8	4
35	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
36	Outcome of a public consultation on the draft 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 Supporting Publications</i> , 2020, 17, 1939E.	0.3	2

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37	Nutritional availability and larval density dependence in <i>Aedes aegypti</i> . <i>Ecological Entomology</i> , 2020, 45, 929-944.	1.1	1
38	How and When to End the COVID-19 Lockdown: An Optimization Approach. <i>Frontiers in Public Health</i> , 2020, 8, 262.	1.3	57
39	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
40	Sleep and intrusive memories immediately after a traumatic event in emergency department patients. <i>Sleep</i> , 2020, 43, .	0.6	26
41	Resilience: nitrogen limitation, mycorrhiza and long-term palaeoecological plant nutrient dynamics. <i>Biology Letters</i> , 2020, 16, 20190441.	1.0	5
42	Assessing the potential for indirect interactions between tropical tree species via shared insect seed predators. <i>Biotropica</i> , 2020, 52, 509-520.	0.8	1
43	Experimental subjects do not know what we think they know. <i>Scientific Reports</i> , 2020, 10, 1117.	1.6	0
44	Optimal control approaches for combining medicines and mosquito control in tackling dengue. <i>Royal Society Open Science</i> , 2020, 7, 181843.	1.1	7
45	Incorporating Vector Ecology and Life History into Disease Transmission Models: Insights from Tsetse ( <i>Glossina</i> spp.), 2020, , 175-188.		1
46	Physiological dynamics, reproduction maintenance allocations, and life history evolution. <i>Ecology and Evolution</i> , 2019, 9, 9312-9323.	0.8	11
47	The Goldilocks Window of Personalized Chemotherapy: Getting the Immune Response Just Right. <i>Cancer Research</i> , 2019, 79, 5302-5315.	0.4	38
48	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
49	Coevolution influences the evolution of filial cannibalism, offspring abandonment and parental care. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20191419.	1.2	5
50	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
51	An upper bound for the background rate of human extinction. <i>Scientific Reports</i> , 2019, 9, 11054.	1.6	10
52	A Mathematical Model of <i>Campylobacter</i> Dynamics Within a Broiler Flock. <i>Frontiers in Microbiology</i> , 2019, 10, 1940.	1.5	15
53	Insect pest control, approximate dynamic programming, and the management of the evolution of resistance. <i>Ecological Applications</i> , 2019, 29, e01851.	1.8	8
54	Crystal toxins and the volunteer's dilemma in bacteria. <i>Journal of Evolutionary Biology</i> , 2019, 32, 310-319.	0.8	11

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55	Unconventional Care: Offspring Abandonment and Filial Cannibalism Can Function as Forms of Parental Care. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	1.1	3
56	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
57	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
58	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
59	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
60	Machine learning and artificial intelligence to aid climate change research and preparedness. <i>Environmental Research Letters</i> , 2019, 14, 124007.	2.2	181
61	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
62	Trait and phylogenetic diversity provide insights into community assembly of reef-associated shrimps (Palaemonidae) at different spatial scales across the Chagos Archipelago. <i>Ecology and Evolution</i> , 2018, 8, 4098-4107.	0.8	7
63	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
64	Plant controls on Late Quaternary whole ecosystem structure and function. <i>Ecology Letters</i> , 2018, 21, 814-825.	3.0	15
65	Management of a stage-structured insect pest: an application of approximate optimization. <i>Ecological Applications</i> , 2018, 28, 938-952.	1.8	3
66	Optimal control of malaria: combining vector interventions and drug therapies. <i>Malaria Journal</i> , 2018, 17, 174.	0.8	15
67	<i>Plasmodium knowlesi</i> invasion following spread by infected mosquitoes, macaques and humans. <i>Parasitology</i> , 2018, 145, 101-110.	0.7	17
68	Genetics-based methods for agricultural insect pest management. <i>Agricultural and Forest Entomology</i> , 2018, 20, 131-140.	0.7	58
69	Ignorance can be evolutionarily beneficial. <i>Ecology and Evolution</i> , 2018, 8, 71-77.	0.8	6
70	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
71	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
72	The evolution of sleep is inevitable in a periodic world. <i>PLoS ONE</i> , 2018, 13, e0201615.	1.1	9

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73	Ecological effects on underdominance threshold drives for vector control. <i>Journal of Theoretical Biology</i> , 2018, 456, 1-15.	0.8	22
74	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
75	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
76	Trophic interaction modifications: an empirical and theoretical framework. <i>Ecology Letters</i> , 2017, 20, 1219-1230.	3.0	48
77	Evolutionary stability and the rarity of grandmothering. <i>Ecology and Evolution</i> , 2017, 7, 3574-3578.	0.8	7
78	Apparent Competition. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2017, 48, 447-471.	3.8	205
79	From phylogenetic to functional originality: Guide through indices and new developments. <i>Ecological Indicators</i> , 2017, 82, 196-205.	2.6	47
80	The critical domain size of stochastic population models. <i>Journal of Mathematical Biology</i> , 2017, 74, 755-782.	0.8	8
81	The evolutionary and coevolutionary consequences of defensive microbes for host-parasite interactions. <i>BMC Evolutionary Biology</i> , 2017, 17, 190.	3.2	22
82	Population-Level Density Dependence Influences the Origin and Maintenance of Parental Care. <i>PLoS ONE</i> , 2016, 11, e0153839.	1.1	2
83	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
84	Marine island biogeography. Response to comment on "Island biogeography: patterns of marine shallow-water organisms". <i>Journal of Biogeography</i> , 2016, 43, 2517-2519.	1.4	1
85	Approximating the Critical Domain Size of Integrodifference Equations. <i>Bulletin of Mathematical Biology</i> , 2016, 78, 72-109.	0.9	12
86	Simulating social-ecological systems: the Island Digital Ecosystem Avatars (IDEA) consortium. <i>GigaScience</i> , 2016, 5, 14.	3.3	15
87	Feedback control in planarian stem cell systems. <i>BMC Systems Biology</i> , 2016, 10, 17.	3.0	15
88	The interplay of vaccination and vector control on small dengue networks. <i>Journal of Theoretical Biology</i> , 2016, 407, 349-361.	0.8	21
89	Zika virus in the Americas: Early epidemiological and genetic findings. <i>Science</i> , 2016, 352, 345-349.	6.0	877
90	Bipolar disorder dynamics: affective instabilities, relaxation oscillations and noise. <i>Journal of the Royal Society Interface</i> , 2015, 12, 20150670.	1.5	41

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91	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
92	Island biogeography: patterns of marine shallow-water organisms in the Atlantic Ocean. <i>Journal of Biogeography</i> , 2015, 42, 1871-1882.	1.4	58
93	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
94	Asiatic cotton can generate similar economic benefits to Bt cotton under rainfed conditions. <i>Nature Plants</i> , 2015, 1, 15072.	4.7	9
95	Species interactions regulate the collapse of biodiversity and ecosystem function in tropical forest fragments. <i>Ecology</i> , 2015, 96, 2692-2704.	1.5	57
96	Computer Game Play Reduces Intrusive Memories of Experimental Trauma via Reconsolidation-Update Mechanisms. <i>Psychological Science</i> , 2015, 26, 1201-1215.	1.8	219
97	Stochastic Dynamics of Interacting Haematopoietic Stem Cell Niche Lineages. <i>PLoS Computational Biology</i> , 2014, 10, e1003794.	1.5	16
98	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
99	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
100	BMC Ecology image competition 2014: the winning images. <i>BMC Ecology</i> , 2014, 14, 24.	3.0	9
101	Life history traits, but not phylogeny, drive compositional patterns in a butterfly metacommunity. <i>Ecology</i> , 2014, 95, 3304-3313.	1.5	31
102	Allee effects and the spatial dynamics of a locally endangered butterfly, the high brown fritillary ( <i>Argynnis adippe</i> )., 2014, 24, 108-120.		9
103	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
104	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
105	BMC Ecology image competition: the winning images. <i>BMC Ecology</i> , 2013, 13, 6.	3.0	10
106	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
107	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
108	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

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109	A New Technique for Analysing Interacting Factors Affecting Biodiversity Patterns: Crossed-DPCoA. PLoS ONE, 2013, 8, e54530.	1.1	14
110	Transcriptional Regulation of <i>Culex pipiens</i> Mosquitoes by <i>Wolbachia</i> Influences Cytoplasmic Incompatibility. PLoS Pathogens, 2013, 9, e1003647.	2.1	37
111	The impact of strain diversity and mixed infections on the evolution of resistance to <i>Bacillus thuringiensis</i> . Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20131497.	1.2	11
112	Spatial variation in the magnitude and functional form of density-dependent processes on the large skipper butterfly <i>Ochlodes sylvanus</i> . Ecological Entomology, 2013, 38, 608-616.	1.1	11
113	The Dynamics of Cooperative Bacterial Virulence in the Field. Science, 2012, 337, 85-88.	6.0	112
114	Seasonal migration to high latitudes results in major reproductive benefits in an insect. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 14924-14929.	3.3	131
115	Individual and Population-Level Impacts of an Emerging Poxvirus Disease in a Wild Population of Great Tits. PLoS ONE, 2012, 7, e48545.	1.1	28
116	Altruism and the evolution of resource generalism and specialism. Ecology and Evolution, 2012, 2, 515-524.	0.8	11
117	Climate change impacts on ecosystem functioning: evidence from an <i>Empetrum</i> heathland. New Phytologist, 2012, 193, 150-164.	3.5	32
118	Theoretical foundations of parental care. , 2012, , 20-39.		50
119	Mood stability versus mood instability in bipolar disorder: A possible role for emotional mental imagery. Behaviour Research and Therapy, 2011, 49, 707-713.	1.6	87
120	A Model Framework to Estimate Impact and Cost of Genetics-Based Sterile Insect Methods for Dengue Vector Control. PLoS ONE, 2011, 6, e25384.	1.1	64
121	The evolution of parental care in stochastic environments. Journal of Evolutionary Biology, 2011, 24, 645-655.	0.8	27
122	Effects of among-offspring relatedness on the origins and evolution of parental care and filial cannibalism. Journal of Evolutionary Biology, 2011, 24, 1335-1350.	0.8	12
123	Antagonistic competition moderates virulence in <i>Bacillus thuringiensis</i> . Ecology Letters, 2011, 14, 765-772.	3.0	55
124	Density-dependent population dynamics and dispersal in heterogeneous metapopulations. Journal of Animal Ecology, 2011, 80, 282-293.	1.3	19
125	The impact of alternative harvesting strategies in a resource-consumer metapopulation. Journal of Applied Ecology, 2011, 48, 102-111.	1.9	9
126	Linking patterns in phylogeny, traits, abiotic variables and space: a novel approach to linking environmental filtering and plant community assembly. Journal of Ecology, 2011, 99, 165-175.	1.9	141



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127	Abrupt environmental changes drive shifts in tree-grass interaction outcomes. <i>Journal of Ecology</i> , 2011, 99, 1063-1070.	1.9	32
128	Modeling resistance to genetic control of insects. <i>Journal of Theoretical Biology</i> , 2011, 270, 42-55.	0.8	47
129	Stability in Ecosystem Functioning across a Climatic Threshold and Contrasting Forest Regimes. <i>PLoS ONE</i> , 2011, 6, e16134.	1.1	23
130	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
131	Regional and local scale metapopulation dynamics in the interaction between <i>Callosobruchus maculatus</i> and <i>Anisopteromalus calandrae</i> . <i>Oikos</i> , 2010, 119, 1735-1744.	1.2	4
132	LIFE HISTORY AND THE EVOLUTION OF PARENTAL CARE. <i>Evolution; International Journal of Organic Evolution</i> , 2010, 64, 823-835.	1.1	83
133	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
134	Parasite Replication and the Evolutionary Epidemiology of Parasite Virulence. <i>PLoS ONE</i> , 2010, 5, e12440.	1.1	5
135	Genetics and the causes of evolution: 150 years of progress since Darwin. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010, 365, 2427-2429.	1.8	2
136	Protists have divergent effects on bacterial diversity along a productivity gradient. <i>Biology Letters</i> , 2010, 6, 639-642.	1.0	60
137	Transgenic Control of Vectors: The Effects of Interspecific Interactions. <i>Israel Journal of Ecology and Evolution</i> , 2010, 56, 353-370.	0.2	18
138	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
139	Decomposition of trait diversity among the nodes of a phylogenetic tree. <i>Ecological Monographs</i> , 2010, 80, 485-507.	2.4	72
140	Modelling knowledge malaria transmission in humans: vector preference and host competence. <i>Malaria Journal</i> , 2010, 9, 329.	0.8	30
141	Apparent Competition and Vector-Host Interactions. <i>Israel Journal of Ecology and Evolution</i> , 2010, 56, 393-416.	0.2	4
142	Predators Reduce Extinction Risk in Noisy Metapopulations. <i>PLoS ONE</i> , 2010, 5, e11635.	1.1	3
143	Theoretical exploration of blastocyst morphogenesis. <i>International Journal of Developmental Biology</i> , 2009, 53, 447-457.	0.3	4
144	Importance of Space and Competition in Optimizing Genetic Control Strategies. <i>Journal of Economic Entomology</i> , 2009, 102, 50-57.	0.8	20

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145	â€˜Tales of <i>Symphonia</i> â€™: extinction dynamics in response to past climate change in Madagascan rainforests. <i>Biology Letters</i> , 2009, 5, 821-825.	1.0	12
146	Density dependence, lifespan and the evolutionary dynamics of longevity. <i>Theoretical Population Biology</i> , 2009, 75, 46-55.	0.5	10
147	Biological diversity: Distinct distributions can lead to the maximization of Raoâ€™s quadratic entropy. <i>Theoretical Population Biology</i> , 2009, 75, 153-163.	0.5	19
148	The effects of colonization, extinction and competition on coexistence in metacommunities. <i>Journal of Animal Ecology</i> , 2009, 78, 866-879.	1.3	27
149	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
150	Corrigendum. <i>Ecology Letters</i> , 2009, 12, 999-999.	3.0	21
151	A midgut 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
152	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
153	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
154	Lethal pathogens, non-lethal synergists and the evolutionary ecology of resistance. <i>Journal of Theoretical Biology</i> , 2008, 254, 339-349.	0.8	3
155	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
156	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
157	Overcompensatory population dynamic responses to environmental stochasticity. <i>Journal of Animal Ecology</i> , 2008, 77, 1296-1305.	1.3	15
158	<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
159	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
160	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
161	The evolutionary ecology of pre- and post-meiotic sperm senescence. <i>Trends in Ecology and Evolution</i> , 2008, 23, 131-140.	4.2	165
162	Phenotypic Evolutionary Models in Stem Cell Biology: Replacement, Quiescence, and Variability. <i>PLoS ONE</i> , 2008, 3, e1591.	1.1	38

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