Wayne M. Getz

List of Publications by Year
in descending order

261 papers	18,433 citations	19657 61 h-index	16650 123 g-index
295 all docs	295 docs citations	295 times ranked	18355 citing authors

#	Article	IF	Citations
1	Superspreading and the effect of individual variation on disease emergence. Nature, 2005, 438, 355-359.	27.8	2,096
2	A movement ecology paradigm for unifying organismal movement research. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 19052-19059.	7.1	2,043
3	Approaching a state shift in Earthâ€™s biosphere. Nature, 2012, 486, 52-58.	27.8	1,518
4	The socioecology of elephants: analysis of the processes creating multitiered social structures. Animal Behaviour, 2005, 69, 1357-1371.	1.9	447
5	LoCoH: Nonparameteric Kernel Methods for Constructing Home Ranges and Utilization Distributions. PLoS ONE, 2007, 2, e207.	2.5	410
6	Should we expect population thresholds for wildlife disease?. Trends in Ecology and Evolution, 2005, 20, 511-519.	8.7	403
7	Using tri-axial acceleration data to identify behavioral modes of free-ranging animals: general concepts and tools illustrated for griffon vultures. Journal of Experimental Biology, 2012, 215, 986-996.	1.7	359
8	A local nearest-neighbor convex-hull construction of home ranges and utilization distributions. Ecography, 2004, 27, 489-505.	4.5	318
9	The Potential Impact of Male Circumcision on HIV in Sub-Saharan Africa. PLoS Medicine, 2006, 3, e262.	8.4	290
10	Trophic facilitation by introduced top predators: grey wolf subsidies to scavengers in Yellowstone National Park. Journal of Animal Ecology, 2003, 72, 909-916.	2.8	286
11	SURFACE-WATER CONSTRAINTS ON HERBIVORE FORAGING IN THE KRUGER NATIONAL PARK, SOUTH AFRICA. Ecology, 2003, 84, 2092-2107.	3.2	238
12	Epidemic Models: Thresholds and Population Regulation. American Naturalist, 1983, 121, 892-898.	2.1	201
13	Parasite biodiversity faces extinction and redistribution in a changing climate. Science Advances, 2017, 3, e1602422.	10.3	194
14	Resource dispersion and consumer dominance: scavenging at wolf- and hunter-killed carcasses in Greater Yellowstone, USA. Ecology Letters, 2003, 6, 996-1003.	6.4	189
15	Modelling the biological control of insect pests: a review of host-parasitoid models. Ecological Modelling, 1996, 92, 121-143.	2.5	185
16	Genetic kin recognition: honey bees discriminate between full and half sisters. Nature, 1983, 302, 147-148.	27.8	172
17	Duelling timescales of host movement and disease recovery determine invasion of disease in structured populations. Ecology Letters, 2005, 8, 587-595.	6.4	172
18	Gray Wolves as Climate Change Buffers in Yellowstone. PLoS Biology, 2005, 3, e92.	5.6	171

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19	A framework for generating and analyzing movement paths on ecological landscapes. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 19066-19071.	7.1	168
20	The global distribution of Bacillus anthracis and associated anthrax risk to humans, livestock and wildlife. Nature Microbiology, 2019, 4, 1337-1343.	13.3	153
21	Social dominance, seasonal movements, and spatial segregation in African elephants: a contribution to conservation behavior. Behavioral Ecology and Sociobiology, 2007, 61, 1919-1931.	1.4	151
22	Home range plus: a space-time characterization of movement over real landscapes. Movement Ecology, 2013, 1, 2.	2.8	146
23	Persisting Viral Sequences Shape Microbial CRISPR-based Immunity. PLoS Computational Biology, 2012, 8, e1002475.	3.2	136
24	A Hypothesis Regarding the Abruptness of Density Dependence and the Growth Rate of Populations. Ecology, 1996, 77, 2014-2026.	3.2	131
25	Population dynamics: a per capita resource approach. Journal of Theoretical Biology, 1984, 108, 623-643.	1.7	128
26	Curtailing transmission of severe acute respiratory syndrome within a community and its hospital. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, 1979-1989.	2.6	125
27	Hierarchical dominance structure and social organization in African elephants, Loxodonta africana. Animal Behaviour, 2007, 73, 671-681.	1.9	124
28	Going through the motions: incorporating movement analyses into disease research. Ecology Letters, 2018, 21, 588-604.	6.4	107
29	Searching for sustainability: are assessments of wildlife harvests behind the times?. Ecology Letters, 2013, 16, 99-111.	6.4	105
30	Range and Habitat Selection of African Buffalo in South Africa. Journal of Wildlife Management, 2006, 70, 764-776.	1.8	102
31	An Ecological Assessment of the Pandemic Threat of Zika Virus. PLoS Neglected Tropical Diseases, 2016, 10, e0004968.	3.0	101
32	Making ecological models adequate. Ecology Letters, 2018, 21, 153-166.	6.4	100
33	Disentangling association patterns in fissionâ€“fusion societies using African buffalo as an example. Animal Behaviour, 2005, 69, 499-506.	1.9	98
34	Disentangling the effects of forage, social rank, and risk on movement autocorrelation of elephants using Fourier and wavelet analyses. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 19108-19113.	7.1	95
35	A MODEL-FRAMED EVALUATION OF ELEPHANT EFFECTS ON TREE AND FIRE DYNAMICS IN AFRICAN SAVANNAS. , 2005, 15, 1331-1341.		90
36	THE USE OF STOCHASTIC DYNAMIC PROGRAMMING IN OPTIMAL LANDSCAPE RECONSTRUCTION FOR METAPOPULATIONS. , 2003, 13, 543-555.		89

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37	Fatal attraction: vegetation responses to nutrient inputs attract herbivores to infectious anthrax carcass sites. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20141785.	2.6	89
38	Utility of R 0 as a predictor of disease invasion in structured populations. Journal of the Royal Society Interface, 2007, 4, 315-324.	3.4	84
39	Metaphysiological and evolutionary dynamics of populations exploiting constant and interactive resources:R?K selection revisited. Evolutionary Ecology, 1993, 7, 287-305.	1.2	80
40	Qualitative differential games with two targets. Journal of Mathematical Analysis and Applications, 1979, 68, 421-430.	1.0	79
41	Genetically based kin recognition systems. Journal of Theoretical Biology, 1981, 92, 209-226.	1.7	79
42	Detection distance and environmental factors in conservation detection dog surveys. Journal of Wildlife Management, 2011, 75, 243-251.	1.8	78
43	Host-Parasitoid Coexistence and Egg-Limited Encounter Rates. American Naturalist, 1996, 148, 333-347.	2.1	77
44	Methods for assessing movement path recursion with application to African buffalo in South Africa. Ecology, 2009, 90, 2467-2479.	3.2	77
45	CONSERVATION:Sustaining Natural and Human Capital: Villagers and Scientists. Science, 1999, 283, 1855-1856.	12.6	76
46	Surface water availability and the management of herbivore distributions in an African savanna ecosystem. Journal of Arid Environments, 2005, 63, 406-424.	2.4	76
47	Prospects for Advancing Tuberculosis Control Efforts through Novel Therapies. PLoS Medicine, 2006, 3, e273.	8.4	76
48	Distribution and Molecular Evolution of Bacillus anthracis Genotypes in Namibia. PLoS Neglected Tropical Diseases, 2012, 6, e1534.	3.0	75
49	Soil ingestion, nutrition and the seasonality of anthrax in herbivores of Etosha National Park. Ecosphere, 2013, 4, 1-19.	2.2	75
50	Kin structure and the swarming behavior of the honey bee Apis mellifera. Behavioral Ecology and Sociobiology, 1982, 10, 265-270.	1.4	74
51	Mass Rearing and Harvesting Based on an Age-Stage, Two-Sex Life Table: A Potato Tuberworm (Lepidoptera: Gelechiidae) Case Study. Environmental Entomology, 1988, 17, 18-25.	1.4	74
52	Spores and soil from six sides: interdisciplinarity and the environmental biology of anthrax (<scp>Bacillus anthracis</scp>). Biological Reviews, 2018, 93, 1813-1831.	10.4	74
53	Disease, predation and demography: assessing the impacts of bovine tuberculosis on African buffalo by monitoring at individual and population levels. Journal of Applied Ecology, 2009, 46, 467-475.	4.0	71
54	The utility of normalized difference vegetation index for predicting African buffalo forage quality. Journal of Wildlife Management, 2012, 76, 1499-1508.	1.8	71

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55	Olfactory sensitivity and discrimination of mixtures in the honeybeeApis mellifera. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 1987, 160, 239-245.	1.6	70
56	Ecological cues, gestation length, and birth timing in African buffalo (Syncerus caffer). Behavioral Ecology, 2007, 18, 635-644.	2.2	70
57	Biomass transformation webs provide a unified approach to consumerâ€“resource modelling. Ecology Letters, 2011, 14, 113-124.	6.4	70
58	An analysis of learned kin recognition in hymenoptera. Journal of Theoretical Biology, 1982, 99, 585-597.	1.7	68
59	Two-target pursuit-evasion differential games in the plane. Journal of Optimization Theory and Applications, 1981, 34, 383-403.	1.5	67
60	Genetic Exchange Across a Species Boundary in the Archaeal Genus Ferroplasma. Genetics, 2007, 177, 407-416.	2.9	67
61	Suite of simple metrics reveals common movement syndromes across vertebrate taxa. Movement Ecology, 2017, 5, 12.	2.8	67
62	Response of olfactory receptor neurons in honeybees to odorants and their binary mixtures. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 1993, 173, 169.	1.6	66
63	HABITAT QUALITY AND HETEROGENEITY INFLUENCE DISTRIBUTION AND BEHAVIOR IN AFRICAN BUFFALO (SYNCERUS CAFFER). Ecology, 2008, 89, 1457-1468.	3.2	66
64	SEASONAL AND DEMOGRAPHIC FACTORS INFLUENCING GASTROINTESTINAL PARASITISM IN UNGULATES OF ETOSHA NATIONAL PARK. Journal of Wildlife Diseases, 2010, 46, 1108-1119.	0.8	66
65	From moonlight to movement and synchronized randomness: Fourier and wavelet analyses of animal location time series data. Ecology, 2010, 91, 1506-1518.	3.2	65
66	Factors Influencing Foraging Search Efficiency: Why Do Scarce Lappet-Faced Vultures Outperform Ubiquitous White-Backed Vultures?. American Naturalist, 2013, 181, E102-E115.	2.1	65
67	Social foraging and individual consistency in following behaviour: testing the information centre hypothesis in free-ranging vultures. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20162654.	2.6	64
68	Decision-making by a soaring bird: time, energy and risk considerations at different spatio-temporal scales. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150397.	4.0	63
69	Mixed strategies of griffon vulturesâ€™ (Gyps fulvus) response to food deprivation lead to a hump-shaped movement pattern. Movement Ecology, 2013, 1, 5.	2.8	62
70	Lethal exposure: An integrated approach to pathogen transmission via environmental reservoirs. Scientific Reports, 2016, 6, 27311.	3.3	61
71	Paternity uncertainty overrides sex chromosome selection for preferential grandparenting. Evolution and Human Behavior, 2006, 27, 206-223.	2.2	60
72	Insights and approaches using deep learning to classify wildlife. Scientific Reports, 2019, 9, 8137.	3.3	60

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73	The ultimate-sustainable-yield problem in nonlinear age-structured populations. Mathematical Biosciences, 1980, 48, 279-292.	1.9	59
74	Rift Valley Fever Virus Infection in African Buffalo (Syncerus caffer) Herds in Rural South Africa: Evidence of Interepidemic Transmission. American Journal of Tropical Medicine and Hygiene, 2011, 84, 641-646.	1.4	59
75	Seasonal Patterns of Hormones, Macroparasites, and Microparasites in Wild African Ungulates: The Interplay among Stress, Reproduction, and Disease. PLoS ONE, 2015, 10, e0120800.	2.5	59
76	Honey bee kin recognition: learning self and nestmate phenotypes. Animal Behaviour, 1986, 34, 1617-1626.	1.9	57
77	A test of identified response classes among olfactory receptor neurons in the honey-bee worker. Chemical Senses, 1992, 17, 191-209.	2.0	56
78	Extra-couple HIV transmission in sub-Saharan Africa: a mathematical modelling study of survey data. Lancet, The, 2013, 381, 1561-1569.	13.7	56
79	A UNIFIED APPROACH TO MULTISPECIES MODELING. Natural Resource Modelling, 1991, 5, 393-421.	2.0	55
80	An Introspection on the Art of Modeling in Population Ecology. BioScience, 1998, 48, 540-552.	4.9	55
81	The effects of parasitoid fecundity and host taxon on the biological control of insect pests: the relationship between theory and data. Ecological Entomology, 1999, 24, 181-190.	2.2	55
82	Stability of discrete age-structured and aggregated delay-difference population models. Journal of Mathematical Biology, 1988, 26, 551-581.	1.9	54
83	Carnivore carcasses are avoided by carnivores. Journal of Animal Ecology, 2017, 86, 1179-1191.	2.8	54
84	Frequencyâ€“dependent incidence in models of sexually transmitted diseases: portrayal of pairâ€“based transmission and effects of illness on contact behaviour. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, 625-634.	2.6	53
85	Methods for Locating African Lion Kills Using Global Positioning System Movement Data. Journal of Wildlife Management, 2010, 74, 549-556.	1.8	53
86	Improving the prediction of African savanna vegetation variables using time series of MODIS products. ISPRS Journal of Photogrammetry and Remote Sensing, 2017, 131, 77-91.	11.1	52
87	Ecological metrics and methods for GPS movement data. International Journal of Geographical Information Science, 2018, 32, 2272-2293.	4.8	52
88	Simulating the effects of wolf-elk population dynamics on resource flow to scavengers. Ecological Modelling, 2004, 177, 193-208.	2.5	51
89	Frequent and seasonally variable sublethal anthrax infections are accompanied by shortâ€lived immunity in an endemic system. Journal of Animal Ecology, 2014, 83, 1078-1090.	2.8	51
90	Potential impact of vaccination on the hepatitis C virus epidemic in injection drug users. Epidemics, 2009, 1, 47-57.	3.0	50

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91	Appropriate complexity landscape modeling. Earth-Science Reviews, 2016, 160, 111-130.	9.1	50
92	Consensus and conflict among ecological forecasts of Zika virus outbreaks in the United States. Scientific Reports, 2018, 8, 4921.	3.3	50
93	Effects of Experimental Exclusion of Scavengers from Carcasses of Anthrax-Infected Herbivores on Bacillus anthracis Sporulation, Survival, and Distribution. Applied and Environmental Microbiology, 2013, 79, 3756-3761.	3.1	48
94	Likelihood ridges and multimodality in population growth rate models. Ecology, 2009, 90, 2313-2320.	3.2	47
95	Moving beyond Curve Fitting: Using Complementary Data to Assess Alternative Explanations for Long Movements of Three Vulture Species. American Naturalist, 2015, 185, E44-E54.	2.1	47
96	Temporal variation in resource selection of African elephants follows longâ€term variability in resource availability. Ecological Monographs, 2019, 89, e01348.	5.4	47
97	BLACK-BACKED JACKAL EXPOSURE TO RABIES VIRUS, CANINE DISTEMPER VIRUS, AND BACILLUS ANTHRACIS IN ETOSHA NATIONAL PARK, NAMIBIA. Journal of Wildlife Diseases, 2012, 48, 371-381.	0.8	46
98	On Managing Variable Marine Fisheries. Canadian Journal of Fisheries and Aquatic Sciences, 1987, 44, 1370-1375.	1.4	43
99	Population dynamics and harvesting of semelparous species with phenotypic and genotypic variability in reproductive age. Journal of Mathematical Biology, 1995, 33, 521-556.	1.9	42
100	Interactions between Bacillus anthracis and Plants May Promote Anthrax Transmission. PLoS Neglected Tropical Diseases, 2014, 8, e2903.	3.0	40
101	Chemosensory Kinâ€communication Systems and Kin Recognition in Honey Bees. Ethology, 1991, 87, 298-315.	1.1	39
102	Inferring ecological and behavioral drivers of African elephant movement using a linear filtering approach. Ecology, 2011, 92, 1648-1657.	3.2	39
103	Adequacy of SEIR models when epidemics have spatial structure: Ebola in Sierra Leone. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20180282.	4.0	39
104	A Probability Transition Matrix Model for Yield Estimation in Fisheries with Highly Variable Recruitment. Canadian Journal of Fisheries and Aquatic Sciences, 1981, 38, 847-855.	1.4	38
105	Estimating carnivoran diets using a combination of carcass observations and scats from <scp>GPS</scp> clusters. Journal of Zoology, 2012, 286, 102-109.	1.7	38
106	Herbaceous Forage and Selection Patterns by Ungulates across Varying Herbivore Assemblages in a South African Savanna. PLoS ONE, 2013, 8, e82831.	2.5	38
107	Conditioning honeybees to discriminate between heritable odors from full and half sisters. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 1986, 159, 251-256.	1.6	37
108	A hierarchical distance sampling approach to estimating mortality rates from opportunistic carcass surveillance data. Methods in Ecology and Evolution, 2013, 4, 361-369.	5.2	37

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109	The Ecology of Pathogen Spillover and Disease Emergence at the Human-Wildlife-Environment Interface. Advances in Environmental Microbiology, 2018, , 267-298.	0.3	37
110	A Management Analysis of the Pacific Whiting (Merluccius productus) Fishery Using an Age-Structured Stochastic Recruitment Model. Canadian Journal of Fisheries and Aquatic Sciences, 1983, 40, 524-539.	1.4	36
111	Honeybee olfactory sensilla behave as integrated processing units. Behavioral and Neural Biology, 1994, 61, 191-195.	2.2	36
112	Assessing vaccination as a control strategy in an ongoing epidemic: Bovine tuberculosis in African buffalo. Ecological Modelling, 2006, 196, 494-504.	2.5	36
113	Synergistic effects of seasonal rainfall, parasites and demography on fluctuations in springbok body condition. Journal of Animal Ecology, 2012, 81, 58-69.	2.8	36
114	Modeling epidemics: A primer and Numerus Model Builder implementation. Epidemics, 2018, 25, 9-19.	3.0	35
115	Rethinking megafauna. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20192643.	2.6	35
116	An Odor Discrimination Model with Application to Kin Recognition in Social Insects. International Journal of Neuroscience, 1987, 32, 963-978.	1.6	34
117	Partitioning non-linearities in the response of honey bee olfactory receptor neurons to binary odors. BioSystems, 1995, 34, 27-40.	2.0	34
118	Adaptive molecular evolution of the Major Histocompatibility Complex genes, DRA and DQA, in the genus Equus. BMC Evolutionary Biology, 2011, 11, 128.	3.2	34
119	The geometry of the barrier in the â€˜game of two carsâ€™. Optimal Control Applications and Methods, 1980, 1, 103-118.	2.1	33
120	Movement ecology and sex are linked to barn owl microbial community composition. Molecular Ecology, 2020, 29, 1358-1371.	3.9	33
121	The neglected season: Warmer autumns counteract harsher winters and promote population growth in Arctic reindeer. Global Change Biology, 2021, 27, 993-1002.	9.5	33
122	Microbicides and HIV: Help or Hindrance?. Journal of Acquired Immune Deficiency Syndromes (1999), 2003, 34, 71-75.	2.1	32
123	Optimal harvesting of structured populations. Mathematical Biosciences, 1979, 44, 269-291.	1.9	31
124	Odorant moiety and odor mixture perception in free-flying honey bees (Apis mellifera). Chemical Senses, 1990, 15, 111-128.	2.0	31
125	Parasite-mediated selection drives an immunogenetic trade-off in plains zebras (Equus quagga). Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20140077.	2.6	31
126	Strainer: software for analysis of population variation in community genomic datasets. BMC Bioinformatics, 2007, 8, 398.	2.6	30

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127	Disease transmission and introgression can explain the long-lasting contact zone of modern humans and Neanderthals. Nature Communications, 2019, 10, 5003.	12.8	30
128	Synergistic Chinaâ€“US Ecological Research is Essential for Global Emerging Infectious Disease Preparedness. EcoHealth, 2020, 17, 160-173.	2.0	30
129	A METAPHYSIOLOGICAL POPULATION MODEL OF STORAGE IN VARIABLE ENVIRONMENTS. Natural Resource Modelling, 1999, 12, 197-230.	2.0	29
130	Gastrointestinal helminths may affect host susceptibility to anthrax through seasonal immune trade-offs. BMC Ecology, 2014, 14, 27.	3.0	29
131	Discrete stochastic analogs of Erlang epidemic models. Journal of Biological Dynamics, 2018, 12, 16-38.	1.7	29
132	Intersexual Conflict and Group Size in Alouatta palliata: A 23-year Evaluation. International Journal of Primatology, 2008, 29, 405-420.	1.9	28
133	DYNAMICS AND MANAGEMENT OF INFECTIOUS DISEASE IN COLONIZING POPULATIONS. Ecology, 2006, 87, 1215-1224.	3.2	27
134	Zebra migration strategies and anthrax in Etosha National Park, Namibia. Ecosphere, 2017, 8, e01925.	2.2	27
135	Evolutionarily stable dispersal of a waterstrider in a temporally and spatially heterogeneous environment. Evolutionary Ecology, 1989, 3, 283-298.	1.2	26
136	Olfactory perception in honeybees: Concatenated and mixed odorant stimuli, concentration, and exposure effects. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 1991, 169, 215-230.	1.6	26
137	Response of American cockroach (Periplaneta americana) olfactory receptors to selected alcohol odorants and their binary combinations. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 1997, 180, 701-709.	1.6	26
138	Longevity of Mycobacterium bovis in Raw and Traditional Souring Milk as a Function of Storage Temperature and Dose. PLoS ONE, 2015, 10, e0129926.	2.5	26
139	Coevolution of Contrary Choices in Hostâ€Parasitoid Systems. American Naturalist, 2000, 155, 637-648.	2.1	25
140	Migration, pathogens and the avian microbiome: A comparative study in sympatric migrants and residents. Molecular Ecology, 2020, 29, 4706-4720.	3.9	25
141	Host-parasite dynamics and the evolution of host immunity and parasite fecundity strategies. Bulletin of Mathematical Biology, 1997, 59, 427-450.	1.9	24
142	A Neural Network Model of General Olfactory Coding in the Insect Antennal Lobe. Chemical Senses, 1999, 24, 351-372.	2.0	24
143	Defining herbivore assemblages in the Kruger National Park: a correlative coherence approach. Oecologia, 2006, 146, 632-640.	2.0	24
144	Characterization of a western North American carnivore community using PCRâ€“RFLP of cytochrome b obtained from fecal samples. Conservation Genetics, 2007, 8, 1511-1513.	1.5	24

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145	Seasonal Changes in Socio-Spatial Structure in a Group of Free-Living Spider Monkeys (Ateles) Tj ETQq1 1 0.784314 rgBT /Overlock 1	2.5	24
146	Sympatric speciation in structureless environments. BMC Evolutionary Biology, 2016, 16, 50.	3.2	24
147	Stability and harvesting of competing populations with genetic variation in life history strategy. Theoretical Population Biology, 1989, 36, 77-124.	1.1	23
148	Panmictic and Clonal Evolution on a Single Patchy Resource Produces Polymorphic Foraging Guilds. PLoS ONE, 2015, 10, e0133732.	2.5	23
149	Basic methods for modeling the invasion and spread of contagious diseases. DIMACS Series in Discrete Mathematics and Theoretical Computer Science, 2006, , 87-109.	0.0	23
150	Ecogenetic models, competition, and heteropatry. Theoretical Population Biology, 1989, 36, 34-58.	1.1	22
151	Novel Giant Siphovirus from Bacillus anthracis Features Unusual Genome Characteristics. PLoS ONE, 2014, 9, e85972.	2.5	22
152	Iterative human and automated identification of wildlife images. Nature Machine Intelligence, 2021, 3, 885-895.	16.0	22
153	Tactics and Strategies for Managing Ebola Outbreaks and the Salience of Immunization. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-9.	1.3	21
154	A cross-validation-based approach for delimiting reliable home range estimates. Movement Ecology, 2017, 5, 19.	2.8	20
155	Modeling R0 for Pathogens with Environmental Transmission: Animal Movements, Pathogen Populations, and Local Infectious Zones. International Journal of Environmental Research and Public Health, 2019, 16, 954.	2.6	20
156	Phylogeography of Bacillus anthracis in the Country of Georgia Shows Evidence of Population Structuring and Is Dissimilar to Other Regional Genotypes. PLoS ONE, 2014, 9, e102651.	2.5	20
157	Evaluation of Phenology Models Using Field Data: Case Study for the Pea Aphid, Acyrthosiphon pisum , and the Blue Alfalfa Aphid, Acyrthosiphon kondoi (Homoptera: Aphididae). Environmental Entomology, 1986, 15, 227-231.	1.4	19
158	Evolutionary Stable Strategies and Trade-Offs in Generalized Beverton and Holt Growth Models. Theoretical Population Biology, 1998, 53, 216-235.	1.1	19
159	Signal Decoding and Receiver Evolution. Brain, Behavior and Evolution, 2000, 56, 45-62.	1.7	19
160	Disease and the Dynamics of Food Webs. PLoS Biology, 2009, 7, e1000209.	5.6	19
161	Diversity and structure of soil bacterial communities associated with vultures in an African savanna. Ecosphere, 2012, 3, 1-18.	2.2	19
162	Clusters of poverty and disease emerge from feedbacks on an epidemiological network. Journal of the Royal Society Interface, 2013, 10, 20120656.	3.4	19

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163	Monitoring the Impact of Grazing on Rangeland Conservation Easements Using MODIS Vegetation Indices. Rangeland Ecology and Management, 2015, 68, 173-185.	2.3	19
164	The logistic equation revisited: Final instalment. Trends in Ecology and Evolution, 1993, 8, 68-70.	8.7	17
165	Rate code input produces temporal code output from cockroach antennal lobes. BioSystems, 2000, 58, 151-158.	2.0	17
166	Optimal control of a birth-and-death process population model. Mathematical Biosciences, 1975, 23, 87-111.	1.9	16
167	An inclusive fitness model for the evolutionary advantage of sibmating. Evolutionary Ecology, 1994, 8, 61-69.	1.2	16
168	Comment on "On the Regulation of Populations of Mammals, Birds, Fish, and Insects" I. Science, 2006, 311, 1100.1-1100.	12.6	16
169	Drivers of change and stability in the gut microbiota of an omnivorous avian migrant exposed to artificial food supplementation. Molecular Ecology, 2021, 30, 4723-4739.	3.9	16
170	Nesting strategies of primitively eusocial bees: A model of nest usurpation during the solitary state of the nesting cycle. Journal of Theoretical Biology, 1990, 144, 445-471.	1.7	15
171	Rainfall-driven sex-ratio genes in African buffalo suggested by correlations between Y-chromosomal haplotype frequencies and foetal sex ratio. BMC Evolutionary Biology, 2010, 10, 106.	3.2	15
172	Unraveling the Effects of Selection and Demography on Immune Gene Variation in Free-Ranging Plains Zebra (Equus quagga) Populations. PLoS ONE, 2012, 7, e50971.	2.5	15
173	Optimal and feedback strategies for managing multicohort populations. Journal of Optimization Theory and Applications, 1985, 46, 505-514.	1.5	14
174	Binational Management of Pacific Hake (Merluccius productus): A Stochastic Modeling Approach. Canadian Journal of Fisheries and Aquatic Sciences, 1987, 44, 1053-1063.	1.4	14
175	On harvesting two competing populations. Journal of Optimization Theory and Applications, 1979, 28, 585-602.	1.5	13
176	Optimal control systems with state variable jump discontinuities. Journal of Optimization Theory and Applications, 1980, 31, 195-205.	1.5	13
177	A decrease in drug resistance levels of the HIV epidemic can be bad news. Bulletin of Mathematical Biology, 2005, 67, 761-782.	1.9	13
178	HIV Drug-resistant Strains as Epidemiologic Sentinels. Emerging Infectious Diseases, 2006, 12, 191-197.	4.3	13
179	A likely ranking interpolation for resolving dominance orders in systems with unknown relationships. Behaviour, 2006, 143, 909-930.	0.8	13
180	Selection at the Y Chromosome of the African Buffalo Driven by Rainfall. PLoS ONE, 2007, 2, e1086.	2.5	13

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