Richard Ostfeld

List of Publications by Year
in descending order

235 papers	24,268 citations	13068 68 h-index	8370 147 g-index
243 all docs	243 docs citations	243 times ranked	18045 citing authors

#	Article	IF	Citations
1	Climate Warming and Disease Risks for Terrestrial and Marine Biota. Science, 2002, 296, 2158-2162.	6.0	2,154
2	Impacts of biodiversity on the emergence and transmission of infectious diseases. Nature, 2010, 468, 647-652.	13.7	1,481
3	Effects of species diversity on disease risk. Ecology Letters, 2006, 9, 485-498.	3.0	1,194
4	Climate Change and Infectious Diseases: From Evidence to a Predictive Framework. Science, 2013, 341, 514-519.	6.0	951
5	The ecology of infectious disease: Effects of host diversity and community composition on Lyme disease risk. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 567-571.	3.3	907
6	Pulsed resources and community dynamics of consumers in terrestrial ecosystems. Trends in Ecology and Evolution, 2000, 15, 232-237.	4.2	628
7	Spatial epidemiology: an emerging (or re-emerging) discipline. Trends in Ecology and Evolution, 2005, 20, 328-336.	4.2	586
8	Biodiversity and Disease Risk: the Case of Lyme Disease. Conservation Biology, 2000, 14, 722-728.	2.4	551
9	Effect of Forest Fragmentation on Lyme Disease Risk. Conservation Biology, 2003, 17, 267-272.	2.4	489
10	Limiting Resources and Territoriality in Microtine Rodents. American Naturalist, 1985, 126, 1-15.	1.0	455
11	BIODIVERSITY AND THE DILUTION EFFECT IN DISEASE ECOLOGY. Ecology, 2001, 82, 609-619.	1.5	443
12	Chain Reactions Linking Acorns to Gypsy Moth Outbreaks and Lyme Disease Risk. Science, 1998, 279, 1023-1026.	6.0	393
13	Climate, Deer, Rodents, and Acorns as Determinants of Variation in Lyme-Disease Risk. PLoS Biology, 2006, 4, e145.	2.6	387
14	Emerging human infectious diseases and the links to global food production. Nature Sustainability, 2019, 2, 445-456.	11.5	362
15	Effects of Host Diversity on Infectious Disease. Annual Review of Ecology, Evolution, and Systematics, 2012, 43, 157-182.	3.8	355
16	Of Mice and Mast. BioScience, 1996, 46, 323-330.	2.2	351
17	Human health impacts of ecosystem alteration. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 18753-18760.	3.3	327
18	The ecology of territoriality in small mammals. Trends in Ecology and Evolution, 1990, 5, 411-415.	4.2	323

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19	Biodiversity series: The function of biodiversity in the ecology of vector-borne zoonotic diseases. Canadian Journal of Zoology, 2000, 78, 2061-2078.	0.4	322
20	A call to ecologists: measuring, analyzing, and managing ecosystem services. Frontiers in Ecology and the Environment, 2005, 3, 540-548.	1.9	264
21	EFFECTS OF RODENTS ON SURVIVAL OF TREE SEEDS AND SEEDLINGS INVADING OLD FIELDS. Ecology, 1997, 78, 1531-1542.	1.5	263
22	Are predators good for your health? Evaluating evidence for top-down regulation of zoonotic disease reservoirs. Frontiers in Ecology and the Environment, 2004, 2, 13-20.	1.9	253
23	Climate, environmental and socio-economic change: weighing up the balance in vector-borne disease transmission. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20130551.	1.8	215
24	Climate change and Ixodes tick-borne diseases of humans. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20140051.	1.8	214
25	Biodiversity Loss Affects Global Disease Ecology. BioScience, 2009, 59, 945-954.	2.2	211
26	COMMUNITY DISASSEMBLY, BIODIVERSITY LOSS, AND THE EROSION OF AN ECOSYSTEM SERVICE. Ecology, 2003, 84, 1421-1427.	1.5	205
27	Hosts as ecological traps for the vector of Lyme disease. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 3911-3919.	1.2	204
28	Effects of environmental change on zoonotic disease risk: an ecological primer. Trends in Parasitology, 2014, 30, 205-214.	1.5	196
29	Frontiers in research on biodiversity and disease. Ecology Letters, 2015, 18, 1119-1133.	3.0	195
30	IMPACT OF HOST COMMUNITY COMPOSITION ON LYME DISEASE RISK. Ecology, 2008, 89, 2841-2849.	1.5	189
31	Ecological correlates of risk and incidence of West Nile virus in the United States. Oecologia, 2009, 158, 699-708.	0.9	185
32	Experimental Evidence for Reduced Rodent Diversity Causing Increased Hantavirus Prevalence. PLoS ONE, 2009, 4, e5461.	1.1	181
33	Conspicuous impacts of inconspicuous hosts on the Lyme disease epidemic. Proceedings of the Royal Society B: Biological Sciences, 2008, 275, 227-235.	1.2	179
34	Territoriality and Mating System of California Voles. Journal of Animal Ecology, 1986, 55, 691.	1.3	169
35	Direct and indirect effects of masting on rodent populations and tree seed survival. Oikos, 2002, 96, 402-410.	1.2	162
36	MULTIPLE CAUSES OF VARIABLE TICK BURDENS ON SMALL-MAMMAL HOSTS. Ecology, 2008, 89, 2259-2272.	1.5	150

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37	Sacred Cows and Sympathetic Squirrels: The Importance of Biological Diversity to Human Health. PLoS Medicine, 2006, 3, e231.	3.9	144
38	Sexual Dimorphism in Size, Relative Size of Testes, and Mating Systems in North American Voles. Journal of Mammalogy, 1990, 71, 510-519.	0.6	138
39	Effects of Meadow Vole Population Density on Tree Seedling Survival in Oil Fields. Ecology, 1993, 74, 1792-1801.	1.5	137
40	Spatial Dynamics of Lyme Disease: A Review. EcoHealth, 2008, 5, 167-195.	0.9	137
41	Crossing the Interspecies Barrier: Opening the Door to Zoonotic Pathogens. PLoS Pathogens, 2014, 10, e1004129.	2.1	135
42	Impacts of biodiversity and biodiversity loss on zoonotic diseases. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	131
43	Controlling Lyme Disease by Modifying the Density and Species Composition of Tick Hosts. , 1995, 5, 1133-1140.		130
44	SONGBIRD POPULATIONS IN FLUCTUATING ENVIRONMENTS: PREDATOR RESPONSES TO PULSED RESOURCES. Ecology, 2003, 84, 406-415.	1.5	126
45	Investigating and Managing the Rapid Emergence of White-Nose Syndrome, a Novel, Fatal, Infectious Disease of Hibernating Bats. Conservation Biology, 2011, 25, no-no.	2.4	115
46	NUMERICAL AND BEHAVIORAL EFFECTS WITHIN A PULSE-DRIVEN SYSTEM: CONSEQUENCES FOR SHARED PREY. Ecology, 2008, 89, 635-646.	1.5	114
47	Relationship between pace of life and immune responses in wild rodents. Oikos, 2012, 121, 1483-1492.	1.2	114
48	Co-Infection of Blacklegged Ticks with Babesia microti and Borrelia burgdorferi Is Higher than Expected and Acquired from Small Mammal Hosts. PLoS ONE, 2014, 9, e99348.	1.1	114
49	The Relationship between Habitat Heterogeneity, Space Use, and Demography in a Population of California Voles. Oikos, 1985, 45, 433.	1.2	107
50	Density-Dependent Processes in Meadow Voles: An Experimental Approach. Ecology, 1995, 76, 521-532.	1.5	106
51	Life History and Demographic Drivers of Reservoir Competence for Three Tick-Borne Zoonotic Pathogens. PLoS ONE, 2014, 9, e107387.	1.1	106
52	Tickâ€borne disease risk in a forest food web. Ecology, 2018, 99, 1562-1573.	1.5	106
53	Biodiversity loss and the rise of zoonotic pathogens. Clinical Microbiology and Infection, 2009, 15, 40-43.	2.8	105
54	Effects of Acorn Production and Mouse Abundance on Abundance and Borrelia burgdorferi Infection Prevalence of Nymphal Ixodes scapularis Ticks. Vector-Borne and Zoonotic Diseases, 2001, 1, 55-63.	0.6	101

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55	Ecology of Lyme Disease: Habitat Associations of Ticks (Ixodes Scapularis) In a Rural Landscape. , 1995, 5, 353-361.		98
56	Reservoir Competence of Wildlife Host Species forBabesia microti. Emerging Infectious Diseases, 2012, 18, 1951-1957.	2.0	95
57	Intrinsic density-dependent regulation of vole populations. Nature, 1993, 366, 259-261.	13.7	94
58	Controlling Ticks and Tick-borne Zoonoses with Biological and Chemical Agents. BioScience, 2006, 56, 383.	2.2	93
59	NET EFFECTS OF LARGE MAMMALS ON ACACIA SEEDLING SURVIVAL IN AN AFRICAN SAVANNA. Ecology, 2004, 85, 1555-1561.	1.5	92
60	Laboratory and Field Evaluation of the Entomopathogenic Fungus <I>Metarhizium anisopliae</I> (Deuteromycetes) for Controlling Questing Adult <I>Ixodes scapularis</I> (Acari: Ixodidae). Journal of Medical Entomology, 2002, 39, 723-728.	0.9	89
61	Temporal and Spatial Dynamics of Ixodes scapularis (Acari: Ixodidae) in a Rural Landscape. Journal of Medical Entomology, 1996, 33, 90-95.	0.9	87
62	Infestation ofPeromyscus leucopusandTamias striatusbyIxodes scapularis(Acari: Ixodidae) in Relation to the Abundance of Hosts and Parasites. Journal of Medical Entomology, 1999, 36, 749-757.	0.9	87
63	Climate change and the distribution and intensity of infectious diseases. Ecology, 2009, 90, 903-905.	1.5	87
64	Reservoir Targeted Vaccine Against Borrelia burgdorferi: A New Strategy to Prevent Lyme Disease Transmission. Journal of Infectious Diseases, 2014, 209, 1972-1980.	1.9	87
65	Impact of the experimental removal of lizards on Lyme disease risk. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 2970-2978.	1.2	81
66	Reservoir Competence of Vertebrate Hosts forAnaplasma phagocytophilum. Emerging Infectious Diseases, 2012, 18, 2013-2013.	2.0	81
67	Interactions between tick and transmitted pathogens evolved to minimise competition through nested and coherent networks. Scientific Reports, 2015, 5, 10361.	1.6	81
68	Nonviral Vector-Borne Zoonoses Associated with Mammals in the United States. Journal of Mammalogy, 1995, 76, 695.	0.6	79
69	Causes and Consequences of Tick (Ixodes scapularis) Burdens on White-Footed Mice (Peromyscus) Tj ETQq1 1 0.784314 rgBT /Overlo	0.6	79
70	NEIGHBORHOOD ANALYSES OF SMALL-MAMMAL DYNAMICS: IMPACTS ON SEED PREDATION AND SEEDLING ESTABLISHMENT. Ecology, 2004, 85, 741-755.	1.5	77
71	Responses of a small mammal community to heterogeneity along forest-old-field edges. Landscape Ecology, 1999, 14, 355-367.	1.9	75
72	Quantifying dilution and amplification in a community of hosts for tickâ€borne pathogens. Ecological Applications, 2016, 26, 484-498.	1.8	75

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73	Spatial heterogeneity in predator activity, nest survivorship, and nest-site selection in two forest thrushes. Oecologia, 2006, 148, 22-29.	0.9	71
74	The Prevalence of Zoonotic Tick-Borne Pathogens inIxodes ScapularisCollected in the Hudson Valley, New York State. Vector-Borne and Zoonotic Diseases, 2014, 14, 245-250.	0.6	71
75	Wood thrush nest success and post-fledging survival across a temporal pulse of small mammal abundance in an oak forest. Journal of Animal Ecology, 2008, 77, 830-837.	1.3	70
76	Novel Organisms: Comparing Invasive Species, GMOs, and Emerging Pathogens. Ambio, 2013, 42, 541-548.	2.8	70
77	Isolation of deer tick virus (Powassan virus, lineage II) from Ixodes scapularis and detection of antibody in vertebrate hosts sampled in the Hudson Valley, New York State. Parasites and Vectors, 2013, 6, 185.	1.0	69
78	Accelerated phenology of blacklegged ticks under climate warming. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20130556.	1.8	68
79	Estimating Reservoir Competence ofBorrelia burgdorferiHosts: Prevalence and Infectivity, Sensitivity, and Specificity. Journal of Medical Entomology, 2008, 45, 139-147.	0.9	67
80	Space use and Reproductive Success in a Population of Meadow Voles. Journal of Animal Ecology, 1988, 57, 385.	1.3	64
81	Impacts of large herbivorous mammals on bird diversity and abundance in an African savanna. Oecologia, 2008, 156, 387-397.	0.9	64
82	The impact of temperature and precipitation on blacklegged tick activity and Lyme disease incidence in endemic and emerging regions. Parasites and Vectors, 2016, 9, 606.	1.0	64
83	Borrelia burgdorferiHas Minimal Impact on the Lyme Disease Reservoir HostPeromyscus leucopus. Vector-Borne and Zoonotic Diseases, 2011, 11, 117-124.	0.6	62
84	WHAT IS THE BEST PREDICTOR OF ANNUAL LYME DISEASE INCIDENCE: WEATHER, MICE, OR ACORNS?. , 2005, 15, 575-586.		61
85	Long-Term Effects of Rodent Herbivores on Tree Invasion Dynamics along Forest-Field Edges. Ecology, 2001, 82, 3320.	1.5	60
86	FACTORS INFLUENCING THE DISTRIBUTION OF LARVAL BLACKLEGGED TICKS ON RODENT HOSTS. American Journal of Tropical Medicine and Hygiene, 2003, 68, 447-452.	0.6	58
87	The Fence Effect Reconsidered. Oikos, 1994, 70, 340.	1.2	56
88	Effects of Density and Season on the Population Rate of Change in the Meadow Vole. Oikos, 1997, 78, 355.	1.2	56
89	Eastern chipmunks increase their perception of predation risk in response to titmouse alarm calls. Behavioral Ecology, 2008, 19, 759-763.	1.0	56
90	Extra-Large Body Size in California Voles: Causes and Fitness Consequences. Oikos, 1991, 61, 108.	1.2	55

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91	Recent Progress in Lyme Disease and Remaining Challenges. Frontiers in Medicine, 2021, 8, 666554.	1.2	55
92	EXPERIMENTAL REMOVAL OF STRONG AND WEAK PREDATORS: MICE AND CHIPMUNKS PREYING ON SONGBIRD NESTS. Ecology, 2001, 82, 2927-2936.	1.5	54
93	Estimating Reservoir Competence of <I>Borrelia burgdorferi</I> Hosts: Prevalence and Infectivity, Sensitivity, and Specificity. Journal of Medical Entomology, 2008, 45, 139-147.	0.9	54
94	Can integrating wildlife and livestock enhance ecosystem services in central Kenya?. Frontiers in Ecology and the Environment, 2017, 15, 328-335.	1.9	54
95	Defining the Risk of Zika and Chikungunya Virus Transmission in Human Population Centers of the Eastern United States. PLoS Neglected Tropical Diseases, 2017, 11, e0005255.	1.3	54
96	Dilution effects in disease ecology. Ecology Letters, 2021, 24, 2490-2505.	3.0	54
97	Effects of wildlife and cattle on tick abundance in central Kenya. Ecological Applications, 2013, 23, 1410-1418.	1.8	53
98	Is biodiversity good for your health?. Science, 2015, 349, 235-236.	6.0	53
99	Influence of Hosts on the Ecology of Arboviral Transmission: Potential Mechanisms Influencing Dengue, Murray Valley Encephalitis, and Ross River Virus in Australia. Vector-Borne and Zoonotic Diseases, 2009, 9, 51-64.	0.6	52
100	Infectious Disease Ecology. , 2010, , .		52
101	ANTHROPOGENIC DISTURBANCES ENHANCE OCCURRENCE OF CUTANEOUS LEISHMANIASIS IN ISRAEL DESERTS: PATTERNS AND MECHANISMS. , 2003, 13, 868-881.		51
102	Occurrence and transmission efficiencies of Borrelia burgdorferi ospC types in avian and mammalian wildlife. Infection, Genetics and Evolution, 2014, 27, 594-600.	1.0	51
103	Overwintering Survival of NymphalIxodes scapularis(Acari: Ixodidae) Under Natural Conditions. Journal of Medical Entomology, 2012, 49, 981-987.	0.9	50
104	Dataâ€“model fusion to better understand emerging pathogens and improve infectious disease forecasting. , 2011, 21, 1443-1460.		49
105	Partitioning the Aggregation of Parasites on Hosts into Intrinsic and Extrinsic Components via an Extended Poisson-Gamma Mixture Model. PLoS ONE, 2011, 6, e29215.	1.1	49
106	HABITAT HETEROGENEITY, DISPERSAL, AND LOCAL RISK OF EXPOSURE TO LYME DISEASE. , 1998, 8, 365-378.		48
107	Modeling the role of songbirds and rodents in the ecology of Lyme disease. Canadian Journal of Zoology, 2000, 78, 2184-2197.	0.4	48
108	Fluctuations and Constancy in Populations of Small Rodents. American Naturalist, 1988, 131, 445-452.	1.0	48

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109	Herbivory on Acacia seedlings in an East African savanna. Oikos, 2002, 98, 385-392.	1.2	47
110	Muskrat (Ondatra zibethicus) Disturbance to Vegetation and Potential Net Nitrogen Mineralization and Nitrification Rates in a Freshwater Tidal Marsh. American Midland Naturalist, 2000, 143, 53-63.	0.2	46
111	Abundance and Borrelia burgdorferi-infection Prevalence of Nymphal Ixodes scapularis Ticks along Forestâ€“Field Edges. EcoHealth, 2007, 3, 262-268.	0.9	46
112	Is biodiversity bad for your health?. Ecosphere, 2017, 8, e01676.	1.0	46
113	Coinfection of Blacklegged Ticks (Acari: Ixodidae) in Dutchess County, New York, with the Agents of Lyme Disease and Human Granulocytic Ehrlichiosis. Journal of Medical Entomology, 1998, 35, 901-903.	0.9	45
114	Climate change and species interactions: ways forward. Annals of the New York Academy of Sciences, 2013, 1297, 1-7.	1.8	44
115	Straw men donâ€™t get Lyme disease: response to Wood and Lafferty. Trends in Ecology and Evolution, 2013, 28, 502-503.	4.2	44
116	The effects of tree seed and seedling density on predation rates by rodents in old fields. Ecoscience, 1998, 5, 183-190.	0.6	40
117	Effects of stoat's presence and auditory cues indicating its presence on tree seedling predation by meadow voles. Oikos, 2000, 91, 123-130.	1.2	40
118	Sublethal Effects of <I>Metarhizium anisopliae</I> (Deuteromycetes) on Engorged Larval, Nymphal, and Adult <I>Ixodes scapularis</I> (Acari: Ixodidae). Journal of Medical Entomology, 2004, 41, 922-929.	0.9	40
119	Consequences of integrating livestock and wildlife in an African savanna. Nature Sustainability, 2018, 1, 566-573.	11.5	40
120	On the Distinction between Female Defense and Resource Defense Polygyny. Oikos, 1987, 48, 238.	1.2	39
121	Community ecology meets epidemiology: the case of Lyme disease. , 2006, , 28-40.		39
122	Spatiotemporal Variation in a Lyme Disease Host and Vector: Black-Legged Ticks on White-Footed Mice. Vector-Borne and Zoonotic Diseases, 2001, 1, 129-138.	0.6	38
123	MODELING THE EFFECTS OF RESERVOIR COMPETENCE DECAY AND DEMOGRAPHIC TURNOVER IN LYME DISEASE ECOLOGY. , 2002, 12, 1142-1162.		37
124	Potential effects of blood meal host on bacterial community composition in Ixodes scapularis nymphs. Ticks and Tick-borne Diseases, 2019, 10, 523-527.	1.1	37
125	A PRESCRIPTION FOR LONGER LIFE? BOT FLY PARASITISM OF THE WHITE-FOOTED MOUSE. Ecology, 2005, 86, 753-761.	1.5	36
126	Prevalence of Human-Active and Variant 1 Strains of the Tick-Borne Pathogen Anaplasma phagocytophilum in Hosts and Forests of Eastern North America. American Journal of Tropical Medicine and Hygiene, 2014, 91, 302-309.	0.6	36

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127	Competitive Interactions between Microtus californicus and Reithrodontomys megalotis during Two Peaks of Microtus Abundance. Journal of Mammalogy, 1984, 65, 271-280.	0.6	35
128	MICE IN SPACE: SPACE USE PREDICTS THE INTERACTION BETWEEN MICE AND SONGBIRDS. Ecology, 2003, 84, 3276-3283.	1.5	35
129	Spatio-temporal patterns in county-level incidence and reporting of Lyme disease in the northeastern United States, 1990â€“2000. Environmental and Ecological Statistics, 2007, 14, 83-100.	1.9	35
130	LONG-TERM EFFECTS OF RODENT HERBIVORES ON TREE INVASION DYNAMICS ALONG FORESTâ€“FIELD EDGES. Ecology, 2001, 82, 3320-3329.	1.5	34
131	Ticks as Soil-Dwelling Arthropods: An Intersection Between Disease and Soil Ecology. Journal of Medical Entomology, 2019, 56, 1555-1564.	0.9	34
132	Molting Success of Ixodes scapularis Varies Among Individual Blood Meal Hosts and Species. Journal of Medical Entomology, 2011, 48, 860-866.	0.9	33
133	Experimental analysis of aggression and spacing behavior in California voles. Canadian Journal of Zoology, 1985, 63, 2277-2282.	0.4	32
134	Effects of an invasive forest pathogen on abundance of ticks and their vertebrate hosts in a California Lyme disease focus. Oecologia, 2011, 166, 91-100.	0.9	31
135	A Candide response to Panglossian accusations by Randolph and Dobson: biodiversity buffers disease. Parasitology, 2013, 140, 1196-1198.	0.7	31
136	Tickâ€, mosquitoâ€, and rodentâ€borne parasite sampling designs for the National Ecological Observatory Network. Ecosphere, 2016, 7, e01271.	1.0	31
137	Does social behavior drive vole cycles? An evaluation of competing models as they pertain to California voles. Canadian Journal of Zoology, 1988, 66, 1153-1159.	0.4	30
138	Trojan Females and Judas Goats: Evolutionary Traps as Tools in Wildlife Management. BioScience, 2017, 67, 983-994.	2.2	30
139	Small-Mammal Herbivores in a Patchy Environment: Individual Strategies and Population Responses. , 1992, , 43-74.		30
140	The tick biocontrol agent Metarhizium brunneum (= M. anisopliae) (strain F52) does not reduce non-target arthropods. PLoS ONE, 2017, 12, e0187675.	1.1	29
141	Factors influencing the distribution of larval blacklegged ticks on rodent hosts. American Journal of Tropical Medicine and Hygiene, 2003, 68, 447-52.	0.6	29
142	USE OF TRACK PLATES TO QUANTIFY PREDATION RISK AT SMALL SPATIAL SCALES. Journal of Mammalogy, 2005, 86, 991-996.	0.6	28
143	Does biodiversity protect humans against infectious disease? Comment. Ecology, 2016, 97, 536-542.	1.5	28
144	Eavesdropping Squirrels Reduce Their Future Value of Food under the Perceived Presence of Cache Robbers. American Naturalist, 2008, 171, 386-393.	1.0	27

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145	The Tick Project: Testing Environmental Methods of Preventing Tick-borne Diseases. Trends in Parasitology, 2018, 34, 447-450.	1.5	27
146	Mammalian predator scent, vegetation cover and tree seedling predation by meadow voles. Ecography, 2002, 25, 481-487.	2.1	26
147	INVASIVE SHRUBS AND SONGBIRD NESTING SUCCESS: EFFECTS OF CLIMATE VARIABILITY AND PREDATOR ABUNDANCE. , 2005, 15, 258-265.		26
148	THE ROLE OF LIZARDS IN THE ECOLOGY OF LYME DISEASE IN TWO ENDEMIC ZONES OF THE NORTHEASTERN UNITED STATES. Journal of Parasitology, 2007, 93, 511-517.	0.3	26
149	Environmental monitoring to enhance comprehension and control of infectious diseases. Journal of Environmental Monitoring, 2010, 12, 2048.	2.1	26
150	When is a parasite not a parasite? Effects of larval tick burdens on whiteâ€footed mouse survival. Ecology, 2014, 95, 1360-1369.	1.5	26
151	Systematic review and meta-analysis of tick-borne disease risk factors in residential yards, neighborhoods, and beyond. BMC Infectious Diseases, 2019, 19, 861.	1.3	26
152	Risk Factors for Bites and Diseases Associated With Black-Legged Ticks: A Meta-Analysis. American Journal of Epidemiology, 2019, 188, 1742-1750.	1.6	26
153	BIODIVERSITY AND THE DILUTION EFFECT IN DISEASE ECOLOGY. , 2001, 82, 609.		26
154	Effectiveness of Metarhizium anisopliae (Deuteromycetes) against Ixodes scapularis (Acari: Ixodidae) engorging on Peromnyscus leucopus. Journal of Vector Ecology, 2005, 30, 91-101.	0.5	26
155	Type 3 functional response of mice to gypsy moth pupae: is it stabilizing?. Oikos, 2004, 107, 592-602.	1.2	24
156	Biodiversity loss and the ecology of infectious disease. Lancet Planetary Health, The, 2017, 1, e2-e3.	5.1	24
157	Effect of spatial scale and latitude on diversityâ€"disease relationships. Ecology, 2020, 101, e02955.	1.5	24
158	Viewing Emerging Human Infectious Epidemics through the Lens of Invasion Biology. BioScience, 2021, 71, 722-740.	2.2	24
159	Larval Density and Feeding Success of Ixodes scapularis on Two Species of Peromyscus. Journal of Parasitology, 1995, 81, 870.	0.3	23
160	PATCH SELECTION AND TREE-SEEDLING PREDATION BY RESIDENT VS. IMMIGRANT MEADOW VOLES. Ecology, 2000, 81, 2951-2956.	1.5	23
161	Impacts of an Introduced Forest Pathogen on the Risk of Lyme Disease in California. Vector-Borne and Zoonotic Diseases, 2012, 12, 623-632.	0.6	23
162	Sand Fly (<I>Lutzomyia vexator</I>) (Diptera: Psychodidae) Populations in Upstate New York: Abundance, Microhabitat, and Phenology. Journal of Medical Entomology, 2004, 41, 774-778.	0.9	22

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163	Parasite and pathogen effects on ecosystem processes: A quantitative review. Ecosphere, 2020, 11, e03057.	1.0	22
164	Factors Influencing Variation among States in the Number of Federally Listed Mammals in the United States. Journal of Mammalogy, 1999, 80, 711-719.	0.6	20
165	Presence of Segmented Flavivirus Infections in North America. Emerging Infectious Diseases, 2020, 26, 1810-1817.	2.0	19
166	Influences of Host Community Characteristics on Borrelia burgdorferi Infection Prevalence in Blacklegged Ticks. PLoS ONE, 2017, 12, e0167810.	1.1	19
167	Effects of Tick-Control Interventions on Tick Abundance, Human Encounters with Ticks, and Incidence of Tickborne Diseases in Residential Neighborhoods, New York, USA. Emerging Infectious Diseases, 2022, 28, 957-966.	2.0	19
168	The Behavioral Hierarchy of the Garden SnailHelix aspersa. Zeitschrift FÃ¼r Tierpsychologie, 1982, 59, 109-126.	0.2	18
169	Long-Distance Homing in Meadow Voles, Microtus pennsylvanicus. Journal of Mammalogy, 1996, 77, 870.	0.6	18
170	Pathogenicity of Metarhizium anisopliae (Deuteromycetes) and permethrin to Ixodes scapularis (Acari:) Tj ETQq0 0 0 rgBT /Overlock 10	0.7	17
171	Quantifying a dynamic risk landscape: heterogeneous predator activity and implications for prey persistence. Ecology, 2009, 90, 240-251.	1.5	17
172	An Experimental Test of Competition among Mice, Chipmunks, and Squirrels in Deciduous Forest Fragments. PLoS ONE, 2013, 8, e66798.	1.1	17
173	The Relationship Between Soil Arthropods and the Overwinter Survival ofIxodes scapularis(Acari: Ixodidae) Under Manipulated Snow Cover. Journal of Medical Entomology, 2016, 53, 225-229.	0.9	17
174	SPATIAL SELECTION AND INHERITANCE: APPLYING EVOLUTIONARY CONCEPTS TO POPULATION DYNAMICS IN HETEROGENEOUS SPACE. Ecology, 2007, 88, 1112-1118.	1.5	16
175	Bottlenecks in domestic animal populations can facilitate the emergence of Trypanosoma cruzi , the aetiological agent of Chagas disease. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20142807.	1.2	16
176	Effects of a zoonotic pathogen, Borrelia burgdorferi, on the behavior of a key reservoir host. Ecology and Evolution, 2018, 8, 4074-4083.	0.8	15
177	LIMITED DISPERSAL AND HETEROGENEOUS PREDATION RISK SYNERGISTICALLY ENHANCE PERSISTENCE OF RARE PREY. Ecology, 2005, 86, 3139-3148.	1.5	14
178	It Takes a Community to Raise the Prevalence of a Zoonotic Pathogen. Interdisciplinary Perspectives on Infectious Diseases, 2011, 2011, 1-6.	0.6	14
179	Topic modeling of major research themes in disease ecology of mammals. Journal of Mammalogy, 2019, 100, 1008-1018.	0.6	14
180	Assessing Effectiveness of Recommended Residential Yard Management Measures Against Ticks. Journal of Medical Entomology, 2019, 56, 1420-1427.	0.9	14

#	Article	IF	Citations
181	Linking disease and community ecology through behavioural indicators: immunochallenge of white-footed mice and its ecological impacts. Journal of Animal Ecology, 2011, 80, 204-214.	1.3	13
182	Immunochallenge reduces risk sensitivity during foraging in white-footed mice. Animal Behaviour, 2012, 83, 155-161.	0.8	13
183	Do Changes in Female Relatedness Determine Demographic Patterns in Microtine Rodents?. Oikos, 1992, 65, 531.	1.2	11
184	Integrative ecology and the dynamics of species in oak forests. Integrative Biology: Issues, News, and Reviews, 1998, 1, 178-186.	0.7	11
185	Parasites as weapons of mouse destruction. Journal of Animal Ecology, 2008, 77, 201-204.	1.3	11
186	The Influence of Nearest Seed Neighbors on Seed Removal in Deciduous Forests. Northeastern Naturalist, 2012, 19, 43-48.	0.1	11
187	Not all nesting guild members are alike: nest predators and conspecific abundance differentially influence nest survival in the ground-nesting Ovenbird (Seiurus aurocapilla) and Veery (Catharus fuscescens). Wilson Journal of Ornithology, 2017, 129, 112-121.	0.1	11
188	Cattle and rainfall affect tick abundance in central Kenya. Parasitology, 2018, 145, 345-354.	0.7	11
189	An Exploratory Study on the Microbiome of Northern and Southern Populations of Ixodes scapularis Ticks Predicts Changes and Unique Bacterial Interactions. Pathogens, 2022, 11, 130.	1.2	11
190	Interactions Between Meadow Voles and White-Footed Mice at Forestâ€"Oldfield Edges: Competition and Net Effects on Tree Invasion of Oldfields. , 1999, , 229-247.		10
191	Tritrophic interactions between a fungal pathogen, a spider predator, and the blacklegged tick. Ecology and Evolution, 2018, 8, 7824-7834.	0.8	10
192	Experimental studies of interactions between wild turkeys and black-legged ticks. Journal of Vector Ecology, 1999, 24, 182-6.	0.5	10
193	Redefining disease emergence to improve prioritization and macro-ecological analyses. One Health, 2015, 1, 17-23.	1.5	9
194	Variation in coexisting birds to exploit spatial heterogeneity in small mammal activity. Journal of Avian Biology, 2018, 49, .	0.6	9
195	Species that can make us ill thrive in human habitats. Nature, 2020, 584, 346-347.	13.7	9
196	A Community-Ecology Framework for Understanding Vector and Vector-Borne Disease Dynamics. Israel Journal of Ecology and Evolution, 2010, 56, 251-262.	0.2	8
197	Effects of Habitat Patchiness on Population Dynamics: A Modelling Approach. , 1992, , 851-863.		8
198	Larval density and feeding success of Ixodes scapularis on two species of Peromyscus. Journal of Parasitology, 1995, 81, 870-5.	0.3	8

#	Article	IF	Citations
199	The Effects of Bird Feeders on Lyme Disease Prevalence and Density ofIxodes scapularis(Acari:) Tj ETQq1 1 0.784314 rgBT /Ove 540-546.	0.9	7
200	Modelling Transmission of Vector-Borne Pathogens Shows Complex Dynamics When Vector Feeding Sites Are Limited. PLoS ONE, 2012, 7, e36730.	1.1	7
201	Of Mice and Men: Lyme Disease and Biodiversity. Perspectives in Biology and Medicine, 2014, 57, 198-207.	0.3	7
202	Spatial and temporal patterns of the emerging tick-borne pathogen Borrelia miyamotoi in blacklegged ticks (Ixodes scapularis) in New York. Parasites and Vectors, 2021, 14, 51.	1.0	7
203	Microtine Social Systems, Adaptation, and the Comparative Method. , 1990, , 35-44.		7
204	Effects of garlic mustard (Alliaria petiolata) on entomopathogenic fungi. Ecoscience, 2011, 18, 164-168.	0.6	6
205	Mast seeding and Lyme disease. Trends in Ecology and Evolution, 1998, 13, 506.	4.2	5
206	ECOLOGY: Enhanced: Oh the Locusts Sang, Then They Dropped Dead. Science, 2004, 306, 1488-1489.	6.0	5
207	Disease Ecology. , 2012, , 217-230.		5
208	A new genetic approach to distinguish strains of Anaplasma phagocytophilum that appear not to cause human disease. Ticks and Tick-borne Diseases, 2021, 12, 101659.	1.1	5
209	Predicting larval tick burden on white-footed mice with an artificial neural network. Ecological Informatics, 2019, 52, 150-158.	2.3	4
210	Blacklegged tick population synchrony between oak forest and nonâ€oak forest. Ecological Entomology, 2021, 46, 827-833.	1.1	4
211	Relations of peri-residential temperature and humidity in tick-life-cycle-relevant time periods with human Lyme disease risk in Pennsylvania, USA. Science of the Total Environment, 2021, 795, 148697.	3.9	4
212	Biodiversity and ecosystem function: perspectives on disease. , 2009, , 209-216.		4
213	The importance of interactions in the population ecology of the vole Clethrionomys rufocanus. Researches on Population Ecology, 1998, 40, 131-133.	0.9	3
214	The Ecology of Infectious Diseases: Progress, Challenges, and Frontiers. , 2010, , 469-482.		3
215	Ecology of Lyme Disease. , 2013, , 243-251.		3
216	Pulsed Resources and Community Responses. , 2007, , 30-42.		3

#	Article	IF	Citations
217	Measuring Diving Success of Otters. Oikos, 1991, 60, 258.	1.2	2
218	Effects of Prior Population Density on Use of Space by Meadow Voles, Microtus pennsylvanicus. Journal of Mammalogy, 1998, 79, 551-557.	0.6	2
219	Reply to De Coster et al.: Exploring the complexity of ecosystemâ€“human health relationships. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E1816.	3.3	2
220	Interactions between mammals and pathogens: an introduction. Journal of Mammalogy, 2015, 96, 2-3.	0.6	2
221	Where the Wild Things Aren't. American Journal of Clinical Pathology, 2016, 146, 644-646.	0.4	2
222	Tropical forests and child health. Lancet Planetary Health, The, 2017, 1, e164-e165.	5.1	2
223	Integrative ecology and the dynamics of species in oak forests. , 1998, 1, 178.		2
224	Planetary Health and Infectious Disease. , 2020, , 141-164.		2
225	Effects of physical impairments on fitness correlates of the white-footed mouse, Peromyscus leucopus. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20211942.	1.2	2
226	A Correction to "Of Mice and Mast". BioScience, 1996, 46, 565-565.	2.2	1
227	Preface. Annals of the New York Academy of Sciences, 2009, 1162, vii-vii.	1.8	1
228	Effects of weather variability on population dynamics of white-footed mice (Peromyscus leucopus) and eastern chipmunks (Tamias striatus). Journal of Mammalogy, 0, , .	0.6	1
229	Biodiversity and Human Health. , 2024, , 377-393.		1
230	Patch Selection and Tree-Seedling Predation by President vs. Immigrant Meadow Voles. Ecology, 2000, 81, 2951.	1.5	0
231	Preface. Annals of the New York Academy of Sciences, 2008, 1134, ix-x.	1.8	0
232	Preface. Annals of the New York Academy of Sciences, 2011, 1223, v.	1.8	0
233	Biodiversity and Human Health. , 2013, , 357-372.		0
234	Zoonoses: Infectious Diseases Transmissible between Animals and Humans. Fourth Edition. By Rolf Bauerfeind, Alexander von Graevenitz, Peter Kimmig, Hans Gerd Schiefer, Tino Schwarz, Werner Slenczka, and Horst Zahner.Washington (DC): ASM Press. $100.00 (paper). xix + 532 p.; ill.; index. ISBN: 978-1-55581-925-5. 2016.. Quarterly Review of Biology, 2017, 92, 346-347.	0.0	0

#	Article	IF	Citations
235	Ecology of Lyme Disease. , 2021, , 275-285.		0