

Charles E Mitchell

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

12,213
citations

147566
31
h-index

128067
60
g-index

68
all docs

68
docs citations

68
times ranked

13872
citing authors

#	ARTICLE	IF	CITATIONS
1	Nutrient enrichment increases invertebrate herbivory and pathogen damage in grasslands. <i>Journal of Ecology</i> , 2022, 110, 327-339.	1.9	25
2	A Microbial Mutualist Within Host Individuals Increases Parasite Transmission Between Host Individuals: Evidence From a Field Mesocosm Experiment. <i>Frontiers in Microbiology</i> , 2022, 13, 824211.	1.5	0
3	Parasites, niche modification and the host microbiome: A field survey of multiple parasites. <i>Molecular Ecology</i> , 2021, 30, 2404-2416.	2.0	8
4	Indirect interactions among co-infecting parasites and a microbial mutualist impact disease progression. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20211313.	1.2	8
5	Trait-based Variation in Host Contribution to Pathogen Transmission Across Species and Resource Supplies. <i>Bulletin of the Ecological Society of America</i> , 2021, 102, e01796.	0.2	0
6	Trait-based variation in host contribution to pathogen transmission across species and resource supplies. <i>Ecology</i> , 2020, 101, e03164.	1.5	6
7	Eutrophication, biodiversity loss, and species invasions modify the relationship between host and parasite richness during host community assembly. <i>Global Change Biology</i> , 2020, 26, 4854-4867.	4.2	13
8	A growth-defense trade-off is general across native and exotic grasses. <i>Oecologia</i> , 2019, 191, 609-620.	0.9	31
9	Past is prologue: host community assembly and the risk of infectious disease over time. <i>Ecology Letters</i> , 2019, 22, 138-148.	3.0	44
10	A host immune hormone modifies parasite species interactions and epidemics: insights from a field manipulation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20182075.	1.2	22
11	Characteristics and drivers of plant virus community spatial patterns in US west coast grasslands. <i>Oikos</i> , 2017, 126, 1281-1290.	1.2	7
12	Effects of native diversity, soil nutrients, and natural enemies on exotic invasion in experimental plant communities. <i>Ecology</i> , 2017, 98, 1409-1418.	1.5	36
13	Plastic potential: how the phenotypes and adaptations of pathogens are influenced by microbial interactions within plants. <i>Current Opinion in Plant Biology</i> , 2017, 38, 78-83.	3.5	9
14	A multivariate test of disease risk reveals conditions leading to disease amplification. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20171340.	1.2	66
15	Interactions among symbionts operate across scales to influence parasite epidemics. <i>Ecology Letters</i> , 2017, 20, 1285-1294.	3.0	62
16	The role of habitat filtering in the leaf economics spectrum and plant susceptibility to pathogen infection. <i>Journal of Ecology</i> , 2016, 104, 1768-1777.	1.9	14
17	Joint effects of nutrient addition and enemy exclusion on exotic plant success. <i>Ecology</i> , 2016, 97, 3337-3345.	1.5	32
18	Within-Host Niche Differences and Fitness Trade-offs Promote Coexistence of Plant Viruses. <i>American Naturalist</i> , 2016, 187, E13-E26.	1.0	24

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19	Comment on "Worldwide evidence of a unimodal relationship between productivity and plant species richness". <i>Science</i> , 2016, 351, 457-457.	6.0	16
20	Grassland productivity limited by multiple nutrients. <i>Nature Plants</i> , 2015, 1, 15080.	4.7	403
21	Viral pathogen production in a wild grass host driven by host growth and soil nitrogen. <i>New Phytologist</i> , 2015, 207, 760-768.	3.5	27
22	The community ecology of pathogens: coinfection, coexistence and community composition. <i>Ecology Letters</i> , 2015, 18, 401-415.	3.0	135
23	Plant species' origin predicts dominance and response to nutrient enrichment and herbivores in global grasslands. <i>Nature Communications</i> , 2015, 6, 7710.	5.8	143
24	Plant diversity predicts beta but not alpha diversity of soil microbes across grasslands worldwide. <i>Ecology Letters</i> , 2015, 18, 85-95.	3.0	612
25	Differential Impacts of Virus Diversity on Biomass Production of a Native and an Exotic Grass Host. <i>PLoS ONE</i> , 2015, 10, e0134355.	1.1	7
26	Why Is Living Fast Dangerous? Disentangling the Roles of Resistance and Tolerance of Disease. <i>American Naturalist</i> , 2014, 184, 172-187.	1.0	32
27	Climate drivers, host identity and fungal endophyte infection determine virus prevalence in a grassland ecosystem. <i>Journal of Ecology</i> , 2014, 102, 690-699.	1.9	17
28	Herbivores and nutrients control grassland plant diversity via light limitation. <i>Nature</i> , 2014, 508, 517-520.	13.7	669
29	Non-random biodiversity loss underlies predictable increases in viral disease prevalence. <i>Journal of the Royal Society Interface</i> , 2014, 11, 20130947.	1.5	69
30	Multiple nutrients and herbivores interact to govern diversity, productivity, composition, and infection in a successional grassland. <i>Oikos</i> , 2014, 123, 214-224.	1.2	39
31	Predicting invasion in grassland ecosystems: is exotic dominance the real embarrassment of richness?. <i>Global Change Biology</i> , 2013, 19, 3677-3687.	4.2	70
32	Elevated CO ₂ spurs reciprocal positive effects between a plant virus and an arbuscular mycorrhizal fungus. <i>New Phytologist</i> , 2013, 199, 541-549.	3.5	36
33	Fungal endophyte infection and host genetic background jointly modulate host response to an aphid-transmitted viral pathogen. <i>Journal of Ecology</i> , 2013, 101, 1007-1018.	1.9	31
34	Richness and Composition of Niche-Assembled Viral Pathogen Communities. <i>PLoS ONE</i> , 2013, 8, e55675.	1.1	32
35	Response to Comments on "Productivity Is a Poor Predictor of Plant Species Richness". <i>Science</i> , 2012, 335, 1441-1441.	6.0	30
36	The role of viruses in biological invasions: friend or foe?. <i>Current Opinion in Virology</i> , 2011, 1, 68-72.	2.6	20

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37	The community ecology of barley/cereal yellow dwarf viruses in Western US grasslands. <i>Virus Research</i> , 2011, 159, 95-100.	1.1	65
38	Productivity Is a Poor Predictor of Plant Species Richness. <i>Science</i> , 2011, 333, 1750-1753.	6.0	463
39	Impacts of biodiversity on the emergence and transmission of infectious diseases. <i>Nature</i> , 2010, 468, 647-652.	13.7	1,481
40	Local context drives infection of grasses by vector-borne generalist viruses. <i>Ecology Letters</i> , 2010, 13, 810-818.	3.0	79
41	Host physiological phenotype explains pathogen reservoir potential. <i>Ecology Letters</i> , 2010, 13, 1221-1232.	3.0	132
42	Controls on pathogen species richness in plants introduced and native ranges: roles of residence time, range size and host traits. <i>Ecology Letters</i> , 2010, 13, 1525-1535.	3.0	150
43	Modeling landscape-scale pathogen spillover between domesticated and wild hosts: Asian soybean rust and kudzu. <i>Ecological Applications</i> , 2010, 20, 582-592.	1.8	23
44	Viral diversity and prevalence gradients in North American Pacific Coast grasslands. <i>Ecology</i> , 2010, 91, 721-732.	1.5	64
45	Herbivore and Fungal Pathogen Exclusion Affects the Seed Production of Four Common Grassland Species. <i>PLoS ONE</i> , 2010, 5, e12022.	1.1	9
46	Consumers indirectly increase infection risk in grassland food webs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 503-506.	3.3	72
47	Synergy between pathogen release and resource availability in plant invasion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 7899-7904.	3.3	210
48	Direct and indirect effects of viral pathogens and the environment on invasive grass fecundity in Pacific Coast grasslands. <i>Journal of Ecology</i> , 2009, 97, 1264-1273.	1.9	22
49	Potential geographic distribution of atmospheric nitrogen deposition from intensive livestock production in North Carolina, USA. <i>Science of the Total Environment</i> , 2008, 398, 76-86.	3.9	18
50	DIRECT AND INTERACTIVE EFFECTS OF ENEMIES AND MUTUALISTS ON PLANT PERFORMANCE: A META-ANALYSIS. <i>Ecology</i> , 2007, 88, 1021-1029.	1.5	208
51	Biotic interactions and plant invasions. <i>Ecology Letters</i> , 2006, 9, 726-740.	3.0	649
52	Disease dynamics in plant communities. , 2006, , 58-72.		23
53	ENEMY RELEASE? AN EXPERIMENT WITH CONGENERIC PLANT PAIRS AND DIVERSE ABOVE- AND BELOWGROUND ENEMIES. <i>Ecology</i> , 2005, 86, 2979-2989.	1.5	344
54	Pathogen Spillover in Disease Epidemics. <i>American Naturalist</i> , 2004, 164, S79-S89.	1.0	415

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55	Parasites, pathogens, and invasions by plants and animals. <i>Frontiers in Ecology and the Environment</i> , 2004, 2, 183-190.	1.9	342
56	Parasites, Pathogens, and Invasions by Plants and Animals. <i>Frontiers in Ecology and the Environment</i> , 2004, 2, 183.	1.9	3
57	Effects of elevated CO ₂ , nitrogen deposition, and decreased species diversity on foliar fungal plant disease. <i>Global Change Biology</i> , 2003, 9, 438-451.	4.2	243
58	Trophic control of grassland production and biomass by pathogens. <i>Ecology Letters</i> , 2003, 6, 147-155.	3.0	123
59	Release of invasive plants from fungal and viral pathogens. <i>Nature</i> , 2003, 421, 625-627.	13.7	1,025
60	Assessing Environmental Changes in Grasslands. <i>Science</i> , 2003, 299, 1844-1845.	6.0	2
61	EFFECTS OF GRASSLAND PLANT SPECIES DIVERSITY, ABUNDANCE, AND COMPOSITION ON FOLIAR FUNGAL DISEASE. <i>Ecology</i> , 2002, 83, 1713-1726.	1.5	376
62	Climate Warming and Disease Risks for Terrestrial and Marine Biota. <i>Science</i> , 2002, 296, 2158-2162.	6.0	2,154
63	Effects of plant species richness on invasion dynamics, disease outbreaks, insect abundances and diversity. <i>Ecology Letters</i> , 1999, 2, 286-293.	3.0	723