

Mark E Ritchie

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

41
papers

5,534
citations

23
h-index

45
g-index

45
ext. papers

6,220
ext. citations

8.7
avg, IF

5.64
L-index

#	Paper	IF	Citations
41	Savannas are vital but overlooked carbon sinks.. <i>Science</i> , 2022 , 375, 392	33.3	2
40	Large herbivores facilitate a dominant grassland forb via multiple indirect effects.. <i>Ecology</i> , 2022 , e36354.6	4.6	1
39	Savanna fire management can generate enough carbon revenue to help restore African rangelands and fill protected area funding gaps. <i>One Earth</i> , 2021 , 4, 1776-1791	8.1	4
38	Grazing Management, Forage Production and Soil Carbon Dynamics. <i>Resources</i> , 2020 , 9, 49	3.7	7
37	Effects of white-tailed deer exclusion on the plant community composition of an upland tallgrass prairie ecosystem. <i>Journal of Vegetation Science</i> , 2020 , 31, 899-907	3.1	1
36	Episodic herbivory, plant density dependence, and stimulation of aboveground plant production. <i>Ecology and Evolution</i> , 2020 , 10, 5302-5314	2.8	4
35	Cross-boundary human impacts compromise the Serengeti-Mara ecosystem. <i>Science</i> , 2019 , 363, 1424-1428	33.3	93
34	Reaction and diffusion thermodynamics explain optimal temperatures of biochemical reactions. <i>Scientific Reports</i> , 2018 , 8, 11105	4.9	25
33	Contributions of AM fungi and soil organic matter to plant productivity in tropical savanna soils under different land uses. <i>Rhizosphere</i> , 2016 , 1, 45-52	3.5	2
32	Alternative hypotheses for mammalian herbivore preference of burned areas in a savannah ecosystem. <i>African Journal of Ecology</i> , 2016 , 54, 471-478	0.8	2
31	Intraspecific trait variation drives functional responses of old-field plant communities to nutrient enrichment. <i>Oecologia</i> , 2016 , 181, 245-55	2.9	33
30	Land-Cover Legacy Effects on Arbuscular Mycorrhizal Abundance in Human and Wildlife Dominated Systems in Tropical Savanna. <i>Advances in Ecology</i> , 2016 , 2016, 1-10		5
29	Effects of herbivores on nitrogen fixation by grass endophytes, legume symbionts and free-living soil surface bacteria in the Serengeti. <i>Pedobiologia</i> , 2016 , 59, 233-241	1.7	12
28	The hidden Serengeti: Mycorrhizal fungi respond to environmental gradients. <i>Pedobiologia</i> , 2015 , 58, 165-176	1.7	20
27	Contrasting effects of different mammalian herbivores on sagebrush plant communities. <i>PLoS ONE</i> , 2015 , 10, e0118016	3.7	11
26	Animating the Carbon Cycle. <i>Ecosystems</i> , 2014 , 17, 344-359	3.9	123
25	The effect of fire on habitat selection of mammalian herbivores: the role of body size and vegetation characteristics. <i>Journal of Animal Ecology</i> , 2014 , 83, 1196-205	4.7	49

24	Community functional responses to soil and climate at multiple spatial scales: when does intraspecific variation matter?. <i>PLoS ONE</i> , 2014 , 9, e111189	3.7	33
23	Body size mediated coexistence in swans. <i>Scientific World Journal, The</i> , 2014 , 2014, 643694	2.2	0
22	Plant compensation to grazing and soil carbon dynamics in a tropical grassland. <i>PeerJ</i> , 2014 , 2, e233	3.1	24
21	The impacts of burning on Thomson's gazelles', <i>Gazella thomsonii</i> , vigilance in Serengeti National Park, Tanzania. <i>African Journal of Ecology</i> , 2013 , 51, 337-342	0.8	7
20	The impact of burning on lion <i>Panthera leo</i> habitat choice in an African savanna. <i>Environmental Epigenetics</i> , 2013 , 59, 335-339	2.4	16
19	Body size and species coexistence in consumer-resource interactions: A comparison of two alternative theoretical frameworks. <i>Theoretical Ecology</i> , 2012 , 5, 141-151	1.6	13
18	Herbivory and plant tolerance: experimental tests of alternative hypotheses involving non-substitutable resources. <i>Oikos</i> , 2011 , 120, 119-127	4	25
17	Landscape-scale analyses suggest both nutrient and antipredator advantages to Serengeti herbivore hotspots. <i>Ecology</i> , 2010 , 91, 1519-29	4.6	90
16	Dynamics of core and occasional species in the marine plankton: tintinnid ciliates in the north-west Mediterranean Sea. <i>Journal of Biogeography</i> , 2009 , 36, 887-895	4.1	44
15	Rainfall and soils modify plant community response to grazing in Serengeti National Park. <i>Ecology</i> , 2007 , 88, 1191-201	4.6	78
14	Plant productivity and soil nitrogen as a function of grazing, migration and fire in an African savanna. <i>Journal of Ecology</i> , 2007 , 95, 115-128	6	65
13	Forage nutritive quality in the Serengeti ecosystem: the roles of fire and herbivory. <i>American Naturalist</i> , 2007 , 170, 343-57	3.7	77
12	Herbivore impact on grassland plant diversity depends on habitat productivity and herbivore size. <i>Ecology Letters</i> , 2006 , 9, 780-8	10	326
11	Global environmental controls of diversity in large herbivores. <i>Nature</i> , 2002 , 415, 901-4	50.4	268
10	THE EFFECT OF AQUATIC PLANT SPECIES RICHNESS ON WETLAND ECOSYSTEM PROCESSES. <i>Ecology</i> , 2002 , 83, 2911-2924	4.6	127
9	Effects of macrophyte species richness on wetland ecosystem functioning and services. <i>Nature</i> , 2001 , 411, 687-9	50.4	318
8	NITROGEN LIMITATION AND TROPHIC VS. ABIOTIC INFLUENCES ON INSECT HERBIVORES IN A TEMPERATE GRASSLAND. <i>Ecology</i> , 2000 , 81, 1601-1612	4.6	123
7	NITROGEN LIMITATION AND TROPHIC VS. ABIOTIC INFLUENCES ON INSECT HERBIVORES IN A TEMPERATE GRASSLAND 2000 , 81, 1601		1

6	NITROGEN LIMITATION AND TROPHIC VS. ABIOTIC INFLUENCES ON INSECT HERBIVORES IN A TEMPERATE GRASSLAND 2000 , 81, 1601		10
5	Scale-dependent foraging and patch choice in fractal environments. <i>Evolutionary Ecology</i> , 1998 , 12, 309-330		111
4	Effects of herbivores on grassland plant diversity. <i>Trends in Ecology and Evolution</i> , 1998 , 13, 261-5	10.9	952
3	HERBIVORE EFFECTS ON PLANT AND NITROGEN DYNAMICS IN OAK SAVANNA. <i>Ecology</i> , 1998 , 79, 165-177	17.7	353
2	The Influence of Functional Diversity and Composition on Ecosystem Processes. <i>Science</i> , 1997 , 277, 1300-1302	33.9	1999
1	Responses of Legumes to Herbivores and Nutrients During Succession on a Nitrogen-Poor Soil. <i>Ecology</i> , 1995 , 76, 2648-2655	4.6	79