Mark E Ritchie

List of Publications by Year
in descending order

43 papers	6,858 citations	279798 23 h-index	276875 41 g-index
45 all docs	45 docs citations	45 times ranked	8464 citing authors

#	Article	IF	Citations
1	Savannas are vital but overlooked carbon sinks. Science, 2022, 375, 392-392.	12.6	11
2	Large herbivores facilitate a dominant grassland forb via multiple indirect effects. Ecology, 2022, 103, e3635.	3.2	10
3	Large herbivore impact on plant biomass along multiple resource gradients in the Serengeti. Journal of Ecology, 2022, 110, 1537-1547.	4.0	4
4	Savanna fire management can generate enough carbon revenue to help restore Africaâ€™s rangelands and fill protected area funding gaps. One Earth, 2021, 4, 1776-1791.	6.8	13
5	Episodic herbivory, plant density dependence, and stimulation of aboveground plant production. Ecology and Evolution, 2020, 10, 5302-5314.	1.9	11
6	Grazing Management, Forage Production and Soil Carbon Dynamics. Resources, 2020, 9, 49.	3.5	14
7	Effects of whiteâ€tailed deer exclusion on the plant community composition of an upland tallgrass prairie ecosystem. Journal of Vegetation Science, 2020, 31, 899-907.	2.2	6
8	Supersizing sustainability in savannas. Nature Sustainability, 2020, 3, 348-349.	23.7	1
9	Cross-boundary human impacts compromise the Serengeti-Mara ecosystem. Science, 2019, 363, 1424-1428.	12.6	160
10	Reaction and diffusion thermodynamics explain optimal temperatures of biochemical reactions. Scientific Reports, 2018, 8, 11105.	3.3	45
11	Land-Cover Legacy Effects on Arbuscular Mycorrhizal Abundance in Human and Wildlife Dominated Systems in Tropical Savanna. Advances in Ecology, 2016, 2016, 1-10.	0.5	6
12	Effects of herbivores on nitrogen fixation by grass endophytes, legume symbionts and free-living soil surface bacteria in the Serengeti. Pedobiologia, 2016, 59, 233-241.	1.2	18
13	Contributions of AM fungi and soil organic matter to plant productivity in tropical savanna soils under different land uses. Rhizosphere, 2016, 1, 45-52.	3.0	6
14	Alternative hypotheses for mammalian herbivore preference of burned areas in a savannah ecosystem. African Journal of Ecology, 2016, 54, 471-478.	0.9	3
15	Intraspecific trait variation drives functional responses of old-field plant communities to nutrient enrichment. Oecologia, 2016, 181, 245-255.	2.0	54
16	The hidden Serengetiâ€”Mycorrhizal fungi respond to environmental gradients. Pedobiologia, 2015, 58, 165-176.	1.2	25
17	Contrasting Effects of Different Mammalian Herbivores on Sagebrush Plant Communities. PLoS ONE, 2015, 10, e0118016.	2.5	20
18	Community Functional Responses to Soil and Climate at Multiple Spatial Scales: When Does Intraspecific Variation Matter?. PLoS ONE, 2014, 9, e111189.	2.5	50

#	Article	IF	Citations
19	Body Size Mediated Coexistence in Swans. Scientific World Journal, The, 2014, 2014, 1-12.	2.1	3
20	Plant compensation to grazing and soil carbon dynamics in a tropical grassland. PeerJ, 2014, 2, e233.	2.0	30
21	Animating the Carbon Cycle. Ecosystems, 2014, 17, 344-359.	3.4	168
22	The effect of fire on habitat selection of mammalian herbivores: the role of body size and vegetation characteristics. Journal of Animal Ecology, 2014, 83, 1196-1205.	2.8	72
23	The impacts of burning on <scp>T</scp>homson's gazelles', <scp>G</scp>azella thomsonii, vigilance in <scp>S</scp>erengeti <scp>N</scp>ational <scp>P</scp>ark, <scp>T</scp>anzania. African Journal of Ecology, 2013, 51, 337-342.	0.9	22
24	The impact of burning on lion Panthera leo habitat choice in an African savanna. Environmental Epigenetics, 2013, 59, 335-339.	1.8	23
25	Body size and species coexistence in consumerâ€“resource interactions: A comparison of two alternative theoretical frameworks. Theoretical Ecology, 2012, 5, 141-151.	1.0	17
26	Herbivory and plant tolerance: experimental tests of alternative hypotheses involving nonâ€substitutable resources. Oikos, 2011, 120, 119-127.	2.7	29
27	Landscapeâ€scale analyses suggest both nutrient and antipredator advantages to Serengeti herbivore hotspots. Ecology, 2010, 91, 1519-1529.	3.2	116
28	Dynamics of core and occasional species in the marine plankton: tintinnid ciliates in the northâ€west Mediterranean Sea. Journal of Biogeography, 2009, 36, 887-895.	3.0	54
29	Forage Nutritive Quality in the Serengeti Ecosystem: The Roles of Fire and Herbivory. American Naturalist, 2007, 170, 343-357.	2.1	98
30	RAINFALL AND SOILS MODIFY PLANT COMMUNITY RESPONSE TO GRAZING IN SERENGETI NATIONAL PARK. Ecology, 2007, 88, 1191-1201.	3.2	94
31	Plant productivity and soil nitrogen as a function of grazing, migration and fire in an African savanna. Journal of Ecology, 2007, 95, 115-128.	4.0	86
32	Herbivore impact on grassland plant diversity depends on habitat productivity and herbivore size. Ecology Letters, 2006, 9, 780-788.	6.4	393
33	THE EFFECT OF AQUATIC PLANT SPECIES RICHNESS ON WETLAND ECOSYSTEM PROCESSES. Ecology, 2002, 83, 2911-2924.	3.2	154
34	Global environmental controls of diversity in large herbivores. Nature, 2002, 415, 901-904.	27.8	324
35	Effects of macrophyte species richness on wetland ecosystem functioning and services. Nature, 2001, 411, 687-689.	27.8	390
36	NITROGEN LIMITATION AND TROPHIC VS. ABIOTIC INFLUENCES ON INSECT HERBIVORES IN A TEMPERATE GRASSLAND. Ecology, 2000, 81, 1601-1612.	3.2	142

#	Article	IF	Citations
37	NITROGEN LIMITATION AND TROPHIC VS. ABIOTIC INFLUENCES ON INSECT HERBIVORES IN A TEMPERATE GRASSLAND. , 2000, 81, 1601.		1
38	Nitrogen Limitation and Trophic vs. Abiotic Influences on Insect Herbivores in a Temperate Grassland. Ecology, 2000, 81, 1601.	3.2	16
39	Scale-dependent foraging and patch choice in fractal environments. Evolutionary Ecology, 1998, 12, 309-330.	1.2	121
40	Effects of herbivores on grassland plant diversity. Trends in Ecology and Evolution, 1998, 13, 261-265.	8.7	1,127
41	HERBIVORE EFFECTS ON PLANT AND NITROGEN DYNAMICS IN OAK SAVANNA. Ecology, 1998, 79, 165-177.	3.2	407
42	The Influence of Functional Diversity and Composition on Ecosystem Processes. Science, 1997, 277, 1300-1302.	12.6	2,414
43	Responses of Legumes to Herbivores and Nutrients During Succession on a Nitrogen-Poor Soil. Ecology, 1995, 76, 2648-2655.	3.2	100