

# Mark E Ritchie

## List of Publications by Citations

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**Version:** 2024-04-28

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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	The Influence of Functional Diversity and Composition on Ecosystem Processes. <i>Science</i> , <b>1997</b> , 277, 1300-1302	13.02	1999
40	Effects of herbivores on grassland plant diversity. <i>Trends in Ecology and Evolution</i> , <b>1998</b> , 13, 261-5	10.9	952
39	HERBIVORE EFFECTS ON PLANT AND NITROGEN DYNAMICS IN OAK SAVANNA. <i>Ecology</i> , <b>1998</b> , 79, 165-177	10.7	353
38	Herbivore impact on grassland plant diversity depends on habitat productivity and herbivore size. <i>Ecology Letters</i> , <b>2006</b> , 9, 780-8	10	326
37	Effects of macrophyte species richness on wetland ecosystem functioning and services. <i>Nature</i> , <b>2001</b> , 411, 687-9	50.4	318
36	Global environmental controls of diversity in large herbivores. <i>Nature</i> , <b>2002</b> , 415, 901-4	50.4	268
35	THE EFFECT OF AQUATIC PLANT SPECIES RICHNESS ON WETLAND ECOSYSTEM PROCESSES. <i>Ecology</i> , <b>2002</b> , 83, 2911-2924	4.6	127
34	Animating the Carbon Cycle. <i>Ecosystems</i> , <b>2014</b> , 17, 344-359	3.9	123
33	NITROGEN LIMITATION AND TROPHIC VS. ABIOTIC INFLUENCES ON INSECT HERBIVORES IN A TEMPERATE GRASSLAND. <i>Ecology</i> , <b>2000</b> , 81, 1601-1612	4.6	123
32	Scale-dependent foraging and patch choice in fractal environments. <i>Evolutionary Ecology</i> , <b>1998</b> , 12, 309-330	11.0	111
31	Cross-boundary human impacts compromise the Serengeti-Mara ecosystem. <i>Science</i> , <b>2019</b> , 363, 1424-1428	39.3	93
30	Landscape-scale analyses suggest both nutrient and antipredator advantages to Serengeti herbivore hotspots. <i>Ecology</i> , <b>2010</b> , 91, 1519-29	4.6	90
29	Responses of Legumes to Herbivores and Nutrients During Succession on a Nitrogen-Poor Soil. <i>Ecology</i> , <b>1995</b> , 76, 2648-2655	4.6	79
28	Rainfall and soils modify plant community response to grazing in Serengeti National Park. <i>Ecology</i> , <b>2007</b> , 88, 1191-201	4.6	78
27	Forage nutritive quality in the Serengeti ecosystem: the roles of fire and herbivory. <i>American Naturalist</i> , <b>2007</b> , 170, 343-57	3.7	77
26	Plant productivity and soil nitrogen as a function of grazing, migration and fire in an African savanna. <i>Journal of Ecology</i> , <b>2007</b> , 95, 115-128	6	65
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> , <b>2014</b> , 83, 1196-205	4.7	49

24	Dynamics of core and occasional species in the marine plankton: tintinnid ciliates in the north-west Mediterranean Sea. <i>Journal of Biogeography</i> , <b>2009</b> , 36, 887-895	4.1	44
23	Intraspecific trait variation drives functional responses of old-field plant communities to nutrient enrichment. <i>Oecologia</i> , <b>2016</b> , 181, 245-55	2.9	33
22	Community functional responses to soil and climate at multiple spatial scales: when does intraspecific variation matter?. <i>PLoS ONE</i> , <b>2014</b> , 9, e111189	3.7	33
21	Reaction and diffusion thermodynamics explain optimal temperatures of biochemical reactions. <i>Scientific Reports</i> , <b>2018</b> , 8, 11105	4.9	25
20	Herbivory and plant tolerance: experimental tests of alternative hypotheses involving non-substitutable resources. <i>Oikos</i> , <b>2011</b> , 120, 119-127	4	25
19	Plant compensation to grazing and soil carbon dynamics in a tropical grassland. <i>PeerJ</i> , <b>2014</b> , 2, e233	3.1	24
18	The hidden Serengeti Mycorrhizal fungi respond to environmental gradients. <i>Pedobiologia</i> , <b>2015</b> , 58, 165-176	1.7	20
17	The impact of burning on lion <i>Panthera leo</i> habitat choice in an African savanna. <i>Environmental Epigenetics</i> , <b>2013</b> , 59, 335-339	2.4	16
16	Body size and species coexistence in consumer-resource interactions: A comparison of two alternative theoretical frameworks. <i>Theoretical Ecology</i> , <b>2012</b> , 5, 141-151	1.6	13
15	Effects of herbivores on nitrogen fixation by grass endophytes, legume symbionts and free-living soil surface bacteria in the Serengeti. <i>Pedobiologia</i> , <b>2016</b> , 59, 233-241	1.7	12
14	Contrasting effects of different mammalian herbivores on sagebrush plant communities. <i>PLoS ONE</i> , <b>2015</b> , 10, e0118016	3.7	11
13	NITROGEN LIMITATION AND TROPHIC VS. ABIOTIC INFLUENCES ON INSECT HERBIVORES IN A TEMPERATE GRASSLAND <b>2000</b> , 81, 1601		10
12	Grazing Management, Forage Production and Soil Carbon Dynamics. <i>Resources</i> , <b>2020</b> , 9, 49	3.7	7
11	The impacts of burning on Thomson's gazelles', <i>Gazella thomsonii</i> , vigilance in Serengeti National Park, Tanzania. <i>African Journal of Ecology</i> , <b>2013</b> , 51, 337-342	0.8	7
10	Land-Cover Legacy Effects on Arbuscular Mycorrhizal Abundance in Human and Wildlife Dominated Systems in Tropical Savanna. <i>Advances in Ecology</i> , <b>2016</b> , 2016, 1-10		5
9	Savanna fire management can generate enough carbon revenue to help restore African rangelands and fill protected area funding gaps. <i>One Earth</i> , <b>2021</b> , 4, 1776-1791	8.1	4
8	Episodic herbivory, plant density dependence, and stimulation of aboveground plant production. <i>Ecology and Evolution</i> , <b>2020</b> , 10, 5302-5314	2.8	4
7	Contributions of AM fungi and soil organic matter to plant productivity in tropical savanna soils under different land uses. <i>Rhizosphere</i> , <b>2016</b> , 1, 45-52	3.5	2

6	Alternative hypotheses for mammalian herbivore preference of burned areas in a savannah ecosystem. <i>African Journal of Ecology</i> , <b>2016</b> , 54, 471-478	0.8	2
5	Savannas are vital but overlooked carbon sinks.. <i>Science</i> , <b>2022</b> , 375, 392	33.3	2
4	Effects of white-tailed deer exclusion on the plant community composition of an upland tallgrass prairie ecosystem. <i>Journal of Vegetation Science</i> , <b>2020</b> , 31, 899-907	3.1	1
3	Large herbivores facilitate a dominant grassland forb via multiple indirect effects.. <i>Ecology</i> , <b>2022</b> , e36354.6	4.6	1
2	NITROGEN LIMITATION AND TROPHIC VS. ABIOTIC INFLUENCES ON INSECT HERBIVORES IN A TEMPERATE GRASSLAND <b>2000</b> , 81, 1601		1
1	Body size mediated coexistence in swans. <i>Scientific World Journal, The</i> , <b>2014</b> , 2014, 643694	2.2	0