

Kevin Kirkman

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/2193715/kevin-kirkman-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

100
papers

3,344
citations

27
h-index

55
g-index

109
ext. papers

4,220
ext. citations

4.9
avg, IF

4.81
L-index

#	Paper	IF	Citations
100	Reinvasion of Native Invasive Trees After a Tree-Thinning Experiment in an African Savanna. <i>Rangeland Ecology and Management</i> , 2022 , 81, 69-77	2.2	0
99	Ecological Grassland Restoration in a South African Perspective. <i>Land</i> , 2022 , 11, 575	3.5	1
98	Microbial substrate stoichiometry governs nutrient effects on nitrogen cycling in grassland soils. <i>Soil Biology and Biochemistry</i> , 2021 , 155, 108168	7.5	9
97	Spatial turnover of multiple ecosystem functions is more associated with plant than soil microbial diversity. <i>Ecosphere</i> , 2021 , 12, e03644	3.1	1
96	A research agenda for the restoration of tropical and subtropical grasslands and savannas. <i>Restoration Ecology</i> , 2021 , 29, e13292	3.1	7
95	Be proactive on energy sprawl: South Africa must anticipate surface impacts of fracking in rural areas. <i>Resources Policy</i> , 2021 , 72, 102081	7.2	0
94	Temporal rarity is a better predictor of local extinction risk than spatial rarity. <i>Ecology</i> , 2021 , 102, e03504.6	4.6	1
93	Myth-busting tropical grassy biome restoration. <i>Restoration Ecology</i> , 2020 , 28, 1067-1073	3.1	27
92	Rapid recovery of ecosystem function following extreme drought in a South African savanna grassland. <i>Ecology</i> , 2020 , 101, e02983	4.6	25
91	Interactions of nitrogen and phosphorus cycling promote P acquisition and explain synergistic plant-growth responses. <i>Ecology</i> , 2020 , 101, e03003	4.6	20
90	Microbial carbon use efficiency in grassland soils subjected to nitrogen and phosphorus additions. <i>Soil Biology and Biochemistry</i> , 2020 , 146, 107815	7.5	24
89	Are there common assembly rules for different grasslands? Comparisons of long-term data from a subtropical grassland with temperate grasslands. <i>Journal of Vegetation Science</i> , 2020 , 31, 780-791	3.1	8
88	Stoichiometric controls of soil carbon and nitrogen cycling after long-term nitrogen and phosphorus addition in a mesic grassland in South Africa. <i>Soil Biology and Biochemistry</i> , 2019 , 135, 294-303	7.5	37
87	Belowground Biomass Response to Nutrient Enrichment Depends on Light Limitation Across Globally Distributed Grasslands. <i>Ecosystems</i> , 2019 , 22, 1466-1477	3.9	17
86	Local Perceptions of Hydraulic Fracturing Ahead of Exploratory Drilling in Eastern South Africa. <i>Environmental Management</i> , 2019 , 63, 338-351	3.1	4
85	Seed mix type but not planting method or seed priming affect grassland restoration outcomes: a greenhouse trial. <i>African Journal of Range and Forage Science</i> , 2019 , 36, 115-124	1.5	1
84	Soil net nitrogen mineralisation across global grasslands. <i>Nature Communications</i> , 2019 , 10, 4981	17.4	33

83	Nitrogen and Phosphorus Additions Alter the Abundance of Phosphorus-Solubilizing Bacteria and Phosphatase Activity in Grassland Soils. <i>Frontiers in Environmental Science</i> , 2019 , 7,	4.8	25
82	Response of three mesic South African perennial grassland forbs to defoliation and competition. <i>African Journal of Range and Forage Science</i> , 2019 , 36, 191-195	1.5	3
81	A native C3 grass alters fuels and fire spread in montane grassland of South Africa. <i>Plant Ecology</i> , 2018 , 219, 621-632	1.7	5
80	Local loss and spatial homogenization of plant diversity reduce ecosystem multifunctionality. <i>Nature Ecology and Evolution</i> , 2018 , 2, 50-56	12.3	97
79	Does high-density stocking affect perennial forbs in mesic grassland?. <i>African Journal of Range and Forage Science</i> , 2017 , 34, 133-142	1.5	10
78	Soil respiration declines with increasing nitrogen fertilization and is not related to productivity in long-term grassland experiments. <i>Soil Biology and Biochemistry</i> , 2017 , 115, 415-422	7.5	24
77	Optimal grazing management strategies: evaluating key concepts. <i>African Journal of Range and Forage Science</i> , 2017 , 34, 87-98	1.5	11
76	Does Holistic Planned Grazing work on native rangelands?. <i>African Journal of Range and Forage Science</i> , 2017 , 34, 59-63	1.5	10
75	Out of the shadows: multiple nutrient limitations drive relationships among biomass, light and plant diversity. <i>Functional Ecology</i> , 2017 , 31, 1839-1846	5.6	30
74	What are the long-term effects of high-density, short-duration stocking on the soils and vegetation of mesic grassland in South Africa?. <i>African Journal of Range and Forage Science</i> , 2017 , 34, 111-121	1.5	9
73	Herbivore size matters for productivity richness relationships in African savannas. <i>Journal of Ecology</i> , 2017 , 105, 674-686	6	18
72	Nutrient addition increases biomass of soil fungi: evidence from a South African grassland. <i>South African Journal of Plant and Soil</i> , 2017 , 34, 71-73	0.8	2
71	An African grassland responds similarly to long-term fertilization to the Park Grass experiment. <i>PLoS ONE</i> , 2017 , 12, e0177208	3.7	13
70	Competition with trees does not influence root characteristics of perennial grasses in semi-arid and arid savannas in South Africa. <i>Journal of Arid Environments</i> , 2016 , 124, 270-277	2.5	5
69	Addition of multiple limiting resources reduces grassland diversity. <i>Nature</i> , 2016 , 537, 93-96	50.4	225
68	Shared Drivers but Divergent Ecological Responses: Insights from Long-Term Experiments in Mesic Savanna Grasslands. <i>BioScience</i> , 2016 , 66, 666-682	5.7	17
67	Seasonality of hydraulic redistribution by trees to grasses and changes in their water-source use that change tree grass interactions. <i>Ecohydrology</i> , 2016 , 9, 218-228	2.5	48
66	Comment on "Worldwide evidence of a unimodal relationship between productivity and plant species richness". <i>Science</i> , 2016 , 351, 457	33.3	15

65	Nutritional and Sensory Evaluation of Injera Prepared from tef and <i>Eragrostis curvula</i> (Schrad.) Nees. Flours with Sorghum Blends. <i>Frontiers in Plant Science</i> , 2016 , 7, 1059	6.2	10
64	Variation in Grassland Fuel Curing in South Africa. <i>Fire Ecology</i> , 2016 , 12, 40-52	5.1	5
63	Fire frequency drives habitat selection by a diverse herbivore guild impacting top-down control of plant communities in an African savanna. <i>Oikos</i> , 2016 , 125, 1636-1646	4	21
62	Climate modifies response of non-native and native species richness to nutrient enrichment. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016 , 371,	5.8	25
61	The influence of balanced and imbalanced resource supply on biodiversity-functioning relationship across ecosystems. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016 , 371,	5.8	35
60	Long-term landscape changes in vegetation structure: fire management in the wetlands of KwaMbonambi, South Africa. <i>African Journal of Aquatic Science</i> , 2016 , 41, 279-288	1.6	7
59	Epichloae infection in a native South African grass, <i>Festuca costata</i> Nees. <i>Plant Biology</i> , 2015 , 17, 914-213.7	3	
58	Plant species origin predicts dominance and response to nutrient enrichment and herbivores in global grasslands. <i>Nature Communications</i> , 2015 , 6, 7710	17.4	94
57	Plant diversity predicts beta but not alpha diversity of soil microbes across grasslands worldwide. <i>Ecology Letters</i> , 2015 , 18, 85-95	10	394
56	Determinants of the occurrence of a native encroacher species, <i>Pechuelloeschea leubnitziae</i> (wild sage), in the eastern Okavango Delta, Botswana. <i>African Journal of Range and Forage Science</i> , 2015 , 32, 253-259	1.5	1
55	Grassland productivity limited by multiple nutrients. <i>Nature Plants</i> , 2015 , 1, 15080	11.5	254
54	Loss of a large grazer impacts savanna grassland plant communities similarly in North America and South Africa. <i>Oecologia</i> , 2014 , 175, 293-303	2.9	25
53	Overlap in nitrogen sources and redistribution of nitrogen between trees and grasses in a semi-arid savanna. <i>Oecologia</i> , 2014 , 174, 1107-16	2.9	7
52	Short-term effect of nutrient availability and rainfall distribution on biomass production and leaf nutrient content of savanna tree species. <i>PLoS ONE</i> , 2014 , 9, e92619	3.7	18
51	Savanna browse production. 1: Determinants and measurement. <i>African Journal of Range and Forage Science</i> , 2014 , 31, 13-24	1.5	1
50	Savanna browse production. 2: Prediction. <i>African Journal of Range and Forage Science</i> , 2014 , 31, 25-36	1.5	1
49	Plant community response to loss of large herbivores differs between North American and South African savanna grasslands. <i>Ecology</i> , 2014 , 95, 808-16	4.6	60
48	Responses to fire differ between South African and North American grassland communities. <i>Journal of Vegetation Science</i> , 2014 , 25, 793-804	3.1	36

47	Using partial volumes to estimate available browse biomass in Southern African semi-arid savannas. <i>Applied Vegetation Science</i> , 2014 , 17, 578-590	3.3	5
46	Tree-grass competition along a catenal gradient in a mesic grassland, South Africa. <i>Grassland Science</i> , 2014 , 60, 1-8	1.3	13
45	Tree species from different functional groups respond differently to environmental changes during establishment. <i>Oecologia</i> , 2014 , 174, 1345-57	2.9	27
44	Predicting invasion in grassland ecosystems: is exotic dominance the real embarrassment of richness?. <i>Global Change Biology</i> , 2013 , 19, 3677-87	11.4	55
43	<i>Themeda triandra</i> : a keystone grass species. <i>African Journal of Range and Forage Science</i> , 2013 , 30, 99-125	5	35
42	Stable isotope turnover and variability in tail hairs of captive and free-ranging African elephants (<i>Loxodonta africana</i>) reveal dietary niche differences within populations. <i>Canadian Journal of Zoology</i> , 2013 , 91, 124-134	1.5	19
41	Classification and mapping of the composition and structure of dry woodland and savanna in the eastern Okavango Delta. <i>Koedoe</i> , 2013 , 55,	1.1	3
40	Yield and species composition of a mesic grassland savanna in South Africa are influenced by long-term nutrient addition. <i>Austral Ecology</i> , 2013 , 38, 959-970	1.5	16
39	Multifunctional Rangeland in Southern Africa: Managing for Production, Conservation, and Resilience with Fire and Grazing. <i>Land</i> , 2013 , 2, 176-193	3.5	10
38	Smoke and heat: influence on seedling emergence from the germinable soil seed bank of mesic grassland in South Africa. <i>Plant Growth Regulation</i> , 2012 , 66, 119-127	3.2	27
37	Response of Grass Seedlings to Smoke-Water and Smoke-Derived Butenolide in the Absence of Macronutrients (Nitrogen, Phosphorus, and Potassium). <i>Rangeland Ecology and Management</i> , 2012 , 65, 31-38	2.2	4
36	The influence of <i>Pechuel-Loeschea leubnitziae</i> (wild sage) on grass sward and soil seed bank composition. <i>African Journal of Range and Forage Science</i> , 2012 , 29, 101-107	1.5	6
35	Do soil nutrients mediate competition between grasses and <i>Acacia</i> saplings?. <i>Grassland Science</i> , 2012 , 58, 238-245	1.3	4
34	Stable isotope series from elephant ivory reveal lifetime histories of a true dietary generalist. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012 , 279, 2433-41	4.4	38
33	A test of two mechanisms proposed to optimize grassland aboveground primary productivity in response to grazing. <i>Journal of Plant Ecology</i> , 2012 , 5, 357-365	1.7	44
32	Response to Comments on "Productivity Is a Poor Predictor of Plant Species Richness". <i>Science</i> , 2012 , 335, 1441-1441	33.3	27
31	Abundance of introduced species at home predicts abundance away in herbaceous communities. <i>Ecology Letters</i> , 2011 , 14, 274-81	10	78
30	Trait-environment relations for dominant grasses in South African mesic grassland support a general leaf economic model. <i>Journal of Vegetation Science</i> , 2011 , 22, 528-540	3.1	37

29	Germination activity of smoke residues in soils following a fire. <i>South African Journal of Botany</i> , 2011 , 77, 718-724	2.9	17
28	Productivity is a poor predictor of plant species richness. <i>Science</i> , 2011 , 333, 1750-3	33.3	386
27	The heat is on: frequent high intensity fire in bracken (<i>Pteridium aquilinum</i>) drives mortality of the sprouting tree <i>Protea caffra</i> in temperate grasslands. <i>Plant Ecology</i> , 2011 , 212, 2013-2022	1.7	21
26	Landscape-scale feeding patterns of African elephant inferred from carbon isotope analysis of feces. <i>Oecologia</i> , 2011 , 165, 89-99	2.9	45
25	Grass-on-grass competition along a catenal gradient in mesic grassland, South Africa. <i>African Journal of Range and Forage Science</i> , 2011 , 28, 79-85	1.5	6
24	Which grazing management practices are most appropriate for maintaining biodiversity in South African grassland?. <i>African Journal of Range and Forage Science</i> , 2010 , 27, 67-76	1.5	42
23	An Assessment of Illegal Hunting on Farmland in KwaZulu-Natal, South Africa: Implications for Oribi (<i>Ourebia ourebi</i>) Conservation. <i>South African Journal of Wildlife Research</i> , 2010 , 40, 43-52		16
22	Fire and grazing impacts on silica production and storage in grass dominated ecosystems. <i>Biogeochemistry</i> , 2010 , 97, 263-278	3.8	43
21	Vegetative traits predict grass species invasiveness and the invasibility of restored grassland. <i>African Journal of Range and Forage Science</i> , 2009 , 26, 59-68	1.5	14
20	Reintroduction Failure of Captive-Bred Oribi (<i>Ourebia ourebi</i>). <i>South African Journal of Wildlife Research</i> , 2009 , 39, 34-38		17
19	Controls of Aboveground Net Primary Production in Mesic Savanna Grasslands: An Inter-Hemispheric Comparison. <i>Ecosystems</i> , 2009 , 12, 982-995	3.9	44
18	Is use of translocation for the conservation of subpopulations of oribi <i>Ourebia ourebi</i> (Zimmermann) effective? A case study. <i>African Journal of Ecology</i> , 2009 , 47, 409-415	0.8	5
17	Using housing estates as conservation tools: A case study in KwaZulu-Natal, South Africa. <i>Applied Geography</i> , 2009 , 29, 371-376	4.4	10
16	Smoke Solutions and Temperature Influence the Germination and Seedling Growth of South African Mesic Grassland Species. <i>Rangeland Ecology and Management</i> , 2009 , 62, 572-578	2.2	23
15	Smoke-Water and a Smoke-Isolated Butenolide Improve Germination and Seedling Vigour of <i>Eragrostis tef</i> (Zucc.) Trotter under High Temperature and Low Osmotic Potential. <i>Journal of Agronomy and Crop Science</i> , 2008 , 194, 270-277	3.9	50
14	MACIS: Minimisation of and Adaptation to Climate Change Impacts on Biodiversity. <i>Gaia</i> , 2008 , 17, 393-395		9
13	Optimisation or satiation, testing diet selection rules in goats. <i>Small Ruminant Research</i> , 2007 , 73, 160-168		23
12	Inducible defences in <i>Acacia sieberiana</i> in response to giraffe browsing. <i>African Journal of Range and Forage Science</i> , 2007 , 24, 123-129	1.5	23

11	Patch density determines movement patterns and foraging efficiency of large herbivores. <i>Behavioral Ecology</i> , 2007 , 18, 1065-1072	2.3	92
10	Shoot and root biomass allocation and competitive hierarchies of four South African grass species on light, soil resources and cutting gradients. <i>African Journal of Range and Forage Science</i> , 2006 , 23, 113-122	1.5	8
9	Convergence and contingency in production-precipitation relationships in North American and South African C4 grasslands. <i>Oecologia</i> , 2006 , 149, 456-64	2.9	63
8	Plant strategies and trait trade-offs influence trends in competitive ability along gradients of soil fertility and disturbance. <i>Journal of Ecology</i> , 2005 , 93, 384-394	6	113
7	The influence of various types and frequencies of rest on the production and condition of sourveld grazed by sheep or cattle. 2. Vigour. <i>African Journal of Range and Forage Science</i> , 2002 , 19, 93-105	1.5	12
6	The influence of various types and frequencies of rest on the production and condition of sourveld grazed by sheep or cattle. 1. Proportional species composition. <i>African Journal of Range and Forage Science</i> , 2002 , 19, 55-62	1.5	10
5	Use of the dry-weight-rank method of botanical analysis in semi-arid savanna communities. <i>African Journal of Range and Forage Science</i> , 2001 , 18, 63-66	1.5	4
4	Perspective: Towards improved grazing management recommendations for sourveld. <i>African Journal of Range and Forage Science</i> , 1995 , 12, 135-144	1.5	12
3	Research note: Quantification of the effects of defoliation on grass vigour. <i>African Journal of Range and Forage Science</i> , 1995 , 12, 89-91	1.5	6
2	Influence of burning and defoliation on <i>Festuca costata</i> (Nees) in the Drakensberg. <i>African Journal of Range and Forage Science</i> , 1-8	1.5	
1	Assessing long-term nutrient and lime enrichment effects on a subtropical South African grassland. <i>African Journal of Range and Forage Science</i> , 1-13	1.5	0