

Edmund C February

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

3,375
citations

394421

19
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265206

42
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44
all docs

44
docs citations

44
times ranked

3819
citing authors

#	ARTICLE	IF	CITATIONS
1	Determinants of woody cover in African savannas. <i>Nature</i> , 2005, 438, 846-849.	27.8	1,543
2	EFFECTS OF FOUR DECADES OF FIRE MANIPULATION ON WOODY VEGETATION STRUCTURE IN SAVANNA. <i>Ecology</i> , 2007, 88, 1119-1125.	3.2	389
3	Diverse functional responses to drought in a Mediterranean-type shrubland in South Africa. <i>New Phytologist</i> , 2012, 195, 396-407.	7.3	208
4	Influence of competition and rainfall manipulation on the growth responses of savanna trees and grasses. <i>Ecology</i> , 2013, 94, 1155-1164.	3.2	153
5	The distribution of tree and grass roots in savannas in relation to soil nitrogen and water. <i>South African Journal of Botany</i> , 2010, 76, 517-523.	2.5	130
6	A depth-controlled tracer technique measures vertical, horizontal and temporal patterns of water use by trees and grasses in a subtropical savanna. <i>New Phytologist</i> , 2010, 188, 199-209.	7.3	119
7	Frequent fire affects soil nitrogen and carbon in an African savanna by changing woody cover. <i>Oecologia</i> , 2010, 162, 1027-1034.	2.0	84
8	Is there a temporal niche separation in the leaf phenology of savanna trees and grasses?. <i>Journal of Biogeography</i> , 2011, 38, 2165-2175.	3.0	62
9	Impact of <i>Prosopis</i> invasion on a keystone tree species in the Kalahari Desert. <i>Plant Ecology</i> , 2013, 214, 597-605.	1.6	57
10	A previously undescribed organic residue sheds light on heat treatment in the Middle Stone Age. <i>Journal of Human Evolution</i> , 2015, 85, 22-34.	2.6	57
11	Which traits determine shifts in the abundance of tree species in a fire-prone savanna?. <i>Journal of Ecology</i> , 2012, 100, 1400-1410.	4.0	53
12	Declining Trend in the $^{13}\text{C}/^{12}\text{C}$ Ratio of Atmospheric Carbon Dioxide from Tree Rings of South African <i>Widdringtonia cedarbergensis</i> . <i>Quaternary Research</i> , 1999, 52, 229-236.	1.7	45
13	The relationship between fog, floods, groundwater and tree growth along the lower Kuiseb River in the hyperarid Namib. <i>Journal of Arid Environments</i> , 2010, 74, 1632-1637.	2.4	44
14	Tree distribution on a steep environmental gradient in an arid savanna. <i>Journal of Biogeography</i> , 2007, 34, 270-278.	3.0	35
15	Water sourcing by trees in a mesic savanna: Responses to severing deep and shallow roots. <i>Environmental and Experimental Botany</i> , 2011, 74, 229-236.	4.2	35
16	Grass competition and the savanna-grassland "treeline"™: A question of root gaps?. <i>South African Journal of Botany</i> , 2015, 101, 91-97.	2.5	30
17	Nitrogen availability is not affected by frequent fire in a South African savanna. <i>Journal of Tropical Ecology</i> , 2008, 24, 647-654.	1.1	28
18	History matters: tree establishment variability and species turnover in an African savanna. <i>Ecosphere</i> , 2011, 2, art49.	2.2	25

#	ARTICLE	IF	CITATIONS
19	Rapid Leaf Deployment Strategies in a Deciduous Savanna. PLoS ONE, 2016, 11, e0157833.	2.5	24
20	Root dynamics influence tree-grass coexistence in an Australian savanna. Austral Ecology, 2013, 38, 66-75.	1.5	21
21	Determinants of savanna vegetation structure: Insights from Colophospermum mopane. Austral Ecology, 2007, 32, 429-435.	1.5	19
22	Coexistence of a C4 grass and a leaf succulent shrub in an arid ecosystem. The relationship between rooting depth, water and nitrogen. Plant and Soil, 2011, 349, 253-260.	3.7	18
23	Altered ignition catchments threaten a hyperdiverse fire-dependent ecosystem. Global Change Biology, 2020, 26, 616-628.	9.5	17
24	Feedback of trees on nitrogen mineralization to restrict the advance of trees in C4 savannas. Biology Letters, 2015, 11, 20150572.	2.3	16
25	Small differences in root distributions allow resource niche partitioning. Ecology and Evolution, 2020, 10, 9776-9787.	1.9	16
26	Effects of groundwater abstraction on two keystone tree species in an arid savanna national park. PeerJ, 2017, 5, e2923.	2.0	16
27	Non rainfall moisture interception by dwarf succulents and their relative abundance in an inland arid South African ecosystem. Ecohydrology, 2013, 6, 818-825.	2.4	15
28	The relationship between rainfall, water source and growth for an endangered tree. Austral Ecology, 2007, 32, 397-402.	1.5	12
29	Tempering-residue on heat-treated silcrete: an experimental perspective and a potential analytical protocol. Journal of Archaeological Science: Reports, 2017, 15, 611-619.	0.5	12
30	Major contribution of grass roots to soil carbon pools and CO2 fluxes in a mesic savanna. Plant and Soil, 2020, 454, 207-215.	3.7	12
31	The use of pre-dawn leaf water potential and MODIS LAI to explore seasonal trends in the phenology of Australian and southern African woodlands and savannas. Australian Journal of Botany, 2008, 56, 557.	0.6	11
32	Age determination of two South African Acacia species using ring counts and radiocarbon dating. African Journal of Ecology, 2006, 44, 417-419.	0.9	9
33	Root niche partitioning between shallow rooted succulents in a South African semi desert: implications for diversity. Plant Ecology, 2013, 214, 1181-1187.	1.6	9
34	$\delta^{13}C$ and water-use efficiency in Australian grasstrees and South African conifers over the last century. Oecologia, 2003, 136, 205-212.	2.0	8
35	Diurnal stem diameter variations show CAM and C3 photosynthetic modes and CAM-C3 switches in arid South African succulent shrubs. Agricultural and Forest Meteorology, 2012, 161, 72-79.	4.8	8
36	Large herbivore conservation in a changing world: Surface water provision and adaptability allow wildebeest to persist after collapse of long-range movements. Global Change Biology, 2020, 26, 2841-2853.	9.5	6

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37	Feeding choices and impacts of extralimital giraffe on two keystone tree species in the Kgalagadi National Park. <i>Koedoe</i> , 2017, 59, .	0.9	5
38	Effects of nutrient supply on carbon and water economies of C4 grasses. <i>Functional Plant Biology</i> , 2018, 45, 935.	2.1	4
39	A lonely dot on the map: Exploring the climate signal in tree-ring density and stable isotopes of claremont cedar, South Africa. <i>Dendrochronologia</i> , 2021, 69, 125879.	2.2	4
40	C4 grass functional traits are correlated with biotic and abiotic gradients in an African savanna. <i>Plant Ecology</i> , 2020, 221, 241-254.	1.6	2
41	Coexistence and bush encroachment in African savannas: The role of the regeneration niche. <i>Functional Ecology</i> , 2021, 35, 764-773.	3.6	2
42	Mammalian herbivore movement into drought refugia has cascading effects on savanna insect communities. <i>Journal of Animal Ecology</i> , 2021, 90, 1753-1763.	2.8	2
43	The causes and effects of indigenous C4 grass expansion into a hyper-diverse fynbos shrubland. <i>Oecologia</i> , 2021, 195, 421-433.	2.0	1