

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
h-index

265206

42
g-index

44
all docs

44
docs citations

44
times ranked

3819
citing authors

#	ARTICLE	IF	CITATIONS
1	Coexistence and bush encroachment in African savannas: The role of the regeneration niche. <i>Functional Ecology</i> , 2021, 35, 764-773.	3.6	2
2	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
3	A lonely dot on the map: Exploring the climate signal in tree-ring density and stable isotopes of clauwilliam cedar, South Africa. <i>Dendrochronologia</i> , 2021, 69, 125879.	2.2	4
4	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
5	Altered ignition catchments threaten a hyperdiverse fire-dependent ecosystem. <i>Global Change Biology</i> , 2020, 26, 616-628.	9.5	17
6	Major contribution of grass roots to soil carbon pools and CO2 fluxes in a mesic savanna. <i>Plant and Soil</i> , 2020, 454, 207-215.	3.7	12
7	Small differences in root distributions allow resource niche partitioning. <i>Ecology and Evolution</i> , 2020, 10, 9776-9787.	1.9	16
8	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
9	Large herbivore conservation in a changing world: Surface water provision and adaptability allow wildebeest to persist after collapse of long-range movements. <i>Global Change Biology</i> , 2020, 26, 2841-2853.	9.5	6
10	Effects of nutrient supply on carbon and water economies of C4 grasses. <i>Functional Plant Biology</i> , 2018, 45, 935.	2.1	4
11	Tempering-residue on heat-treated silcrete: an experimental perspective and a potential analytical protocol. <i>Journal of Archaeological Science: Reports</i> , 2017, 15, 611-619.	0.5	12
12	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
13	Effects of groundwater abstraction on two keystone tree species in an arid savanna national park. <i>PeerJ</i> , 2017, 5, e2923.	2.0	16
14	Rapid Leaf Deployment Strategies in a Deciduous Savanna. <i>PLoS ONE</i> , 2016, 11, e0157833.	2.5	24
15	Feedback of trees on nitrogen mineralization to restrict the advance of trees in C4 savannahs. <i>Biology Letters</i> , 2015, 11, 20150572.	2.3	16
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	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
18	Non rainfall moisture interception by dwarf succulents and their relative abundance in an inland arid South African ecosystem. <i>Ecohydrology</i> , 2013, 6, 818-825.	2.4	15

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19	Root niche partitioning between shallow rooted succulents in a South African semi desert: implications for diversity. <i>Plant Ecology</i> , 2013, 214, 1181-1187.	1.6	9
20	Root dynamics influence tree-grass coexistence in an Australian savanna. <i>Austral Ecology</i> , 2013, 38, 66-75.	1.5	21
21	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
22	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
23	Diverse functional responses to drought in a Mediterranean-type shrubland in South Africa. <i>New Phytologist</i> , 2012, 195, 396-407.	7.3	208
24	Diurnal stem diameter variations show CAM and C3 photosynthetic modes and CAM-C3 switches in arid South African succulent shrubs. <i>Agricultural and Forest Meteorology</i> , 2012, 161, 72-79.	4.8	8
25	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
26	History matters: tree establishment variability and species turnover in an African savanna. <i>Ecosphere</i> , 2011, 2, art49.	2.2	25
27	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
28	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
29	Coexistence of a C4 grass and a leaf succulent shrub in an arid ecosystem. The relationship between rooting depth, water and nitrogen. <i>Plant and Soil</i> , 2011, 349, 253-260.	3.7	18
30	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
31	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
32	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
33	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
34	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. <i>Australian Journal of Botany</i> , 2008, 56, 557.	0.6	11
35	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
36	EFFECTS OF FOUR DECADES OF FIRE MANIPULATION ON WOODY VEGETATION STRUCTURE IN SAVANNA. <i>Ecology</i> , 2007, 88, 1119-1125.	3.2	389

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37	The relationship between rainfall, water source and growth for an endangered tree. <i>Austral Ecology</i> , 2007, 32, 397-402.	1.5	12
38	Determinants of savanna vegetation structure: Insights from <i>Colophospermum mopane</i> . <i>Austral Ecology</i> , 2007, 32, 429-435.	1.5	19
39	Tree distribution on a steep environmental gradient in an arid savanna. <i>Journal of Biogeography</i> , 2007, 34, 270-278.	3.0	35
40	Age determination of two South African <i>Acacia</i> species using ring counts and radiocarbon dating. <i>African Journal of Ecology</i> , 2006, 44, 417-419.	0.9	9
41	Determinants of woody cover in African savannas. <i>Nature</i> , 2005, 438, 846-849.	27.8	1,543
42	$\delta^{13}C$ and water-use efficiency in Australian grasses and South African conifers over the last century. <i>Oecologia</i> , 2003, 136, 205-212.	2.0	8
43	Declining Trend in the $\delta^{13}C/\delta^{12}C$ 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