Caroline E R Lehmann

List of Publications by Year
in descending order

53	5,344	126907	175258
papers	citations	33 h-index	52 g-index

59	59	59	6934
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Savannas are vital but overlooked carbon sinks. Science, 2022, 375, 392-392.	12.6	11
2	Heteropogonâ€Themeda grasses evolve to occupy either tropical grassland or wetland biomes. Journal of Systematics and Evolution, 2022, 60, 653-674.	3.1	1
3	Nitrogen concentration and physical properties are key drivers of woody tissue respiration. Annals of Botany, 2022, 129, 633-646.	2.9	4
4	Madagascar's fire regimes challenge global assumptions about landscape degradation. Global Change Biology, 2022, 28, 6944-6960.	9.5	16
5	Drought and fire determine juvenile and adult woody diversity and dominance in a semiâ€arid African savanna. Biotropica, 2022, 54, 1015-1029.	1.6	7
6	Encroachment diminishes herbaceous plant diversity in grassy ecosystems worldwide. Global Change Biology, 2022, 28, 5532-5546.	9.5	16
7	Resprouting grasses are associated with less frequent fire than seeders. New Phytologist, 2021, 230, 832-844.	7.3	24
8	Shade alters savanna grass layer structure and function along a gradient of canopy cover. Journal of Vegetation Science, 2021, 32, .	2.2	22
9	Shade alters the growth and architecture of tropical grasses by reducing root biomass. Biotropica, 2021, 53, 1052-1062.	1.6	6
10	Complex evolutionary history of two ecologically significant grass genera,ThemedaandHeteropogon(Poaceae: Panicoideae: Andropogoneae). Botanical Journal of the Linnean Society, 2021, 196, 437-455.	1.6	10
11	Beyond ancient versus anthropogenic for Madagascar's grassy ecosystems. A Reply to: Crowley et al . (2021). Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20210388.	2.6	7
12	AusTraits, a curated plant trait database for the Australian flora. Scientific Data, 2021, 8, 254.	5.3	73
13	Geographical structure of genetic diversity inLoudetia simplex(Poaceae) in Madagascar and South Africa. Botanical Journal of the Linnean Society, 2021, 196, 81-99.	1.6	16
14	Plant height and lifespan predict range size in southern African grasses. Journal of Biogeography, 2021, 48, 3047-3059.	3.0	10
15	Lineageâ€based functional types: characterising functional diversity to enhance the representation of ecological behaviour in Land Surface Models. New Phytologist, 2020, 228, 15-23.	7.3	20
16	953. UAPACA BOJERI. Curtis's Botanical Magazine, 2020, 37, 313-323.	0.3	0
17	Fire and grazing determined grasslands of central Madagascar represent ancient assemblages. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20200598.	2.6	48
18	Woody plant encroachment intensifies under climate change across tundra and savanna biomes. Global Ecology and Biogeography, 2020, 29, 925-943.	5.8	105

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19	Focus on changing fire regimes: interactions with climate, ecosystems, and society. Environmental Research Letters, 2020, 15, 030201.	5.2	105
20	The global distribution of grass functional traits within grassy biomes. Journal of Biogeography, 2020, 47, 553-565.	3.0	24
21	Comment on â€œThe global tree restoration potentialâ€• Science, 2019, 366, .	12.6	185
22	The Trouble with Trees: Afforestation Plans for Africa. Trends in Ecology and Evolution, 2019, 34, 963-965.	8.7	164
23	A unified framework for plant lifeâ€history strategies shaped by fire and herbivory. New Phytologist, 2019, 224, 1490-1503.	7.3	70
24	Alternate Grassy Ecosystem States Are Determined by Palatabilityâ€“Flammability Trade-Offs. Trends in Ecology and Evolution, 2019, 34, 286-290.	8.7	43
25	Stem diameter growth rates in a fireâ€prone savanna correlate with photosynthetic rate and branchâ€scale biomass allocation, but not specific leaf area. Austral Ecology, 2019, 44, 339-350.	1.5	17
26	Global grass (<scp>P</scp>oaceae) success underpinned by traits facilitating colonization, persistence and habitat transformation. Biological Reviews, 2018, 93, 1125-1144.	10.4	178
27	Grass Functional Traits Differentiate Forest and Savanna in the Madagascar Central Highlands. Frontiers in Ecology and Evolution, 2018, 6, .	2.2	45
28	Human impacts in African savannas are mediated by plant functional traits. New Phytologist, 2018, 220, 10-24.	7.3	114
29	Tropical savannas and dry forests. Current Biology, 2018, 28, R541-R545.	3.9	138
30	Maximising Synergy among Tropical Plant Systematists, Ecologists, and Evolutionary Biologists. Trends in Ecology and Evolution, 2017, 32, 258-267.	8.7	52
31	Preâ€rain greenâ€up is ubiquitous across southern tropical Africa: implications for temporal niche separation and model representation. New Phytologist, 2017, 213, 625-633.	7.3	60
32	Comment on â€œThe extent of forest in dryland biomesâ€• Science, 2017, 358, .	12.6	57
33	Savanna woody encroachment is widespread across three continents. Global Change Biology, 2017, 23, 235-244.	9.5	442
34	The recent and rapid spread of Themeda triandra. Botany Letters, 2017, 164, 327-337.	1.4	22
35	Biomass burning fuel consumption dynamics in the tropics and subtropics assessed from satellite. Biogeosciences, 2016, 13, 3717-3734.	3.3	36
36	Determinants of flammability in savanna grass species. Journal of Ecology, 2016, 104, 138-148.	4.0	123

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37	Tropical grassy biomes: linking ecology, human use and conservation. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20160329.	4.0	73
38	Ecosystem services from southern African woodlands and their future under global change. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150312.	4.0	119
39	Photosynthetic innovation broadens the niche within a single species. Ecology Letters, 2015, 18, 1021-1029.	6.4	75
40	Tropical grassy biomes: misunderstood, neglected, and under threat. Trends in Ecology and Evolution, 2014, 29, 205-213.	8.7	423
41	Savanna Vegetation-Fire-Climate Relationships Differ Among Continents. Science, 2014, 343, 548-552.	12.6	500
42	Fire regimes and woody biomass dynamics in Australian savannas. Journal of Biogeography, 2014, 41, 133-144.	3.0	60
43	Contrasting architecture of key <scp>A</scp>frican and <scp>A</scp>ustralian savanna tree taxa drives intercontinental structural divergence. Global Ecology and Biogeography, 2014, 23, 1235-1244.	5.8	39
44	Defining pyromes and global syndromes of fire regimes. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 6442-6447.	7.1	519
45	Invasions: the trail behind, the path ahead, and a test of a disturbing idea. Journal of Ecology, 2012, 100, 116-127.	4.0	180
46	When is a â€˜forestâ€™ a savanna, and why does it matter?. Global Ecology and Biogeography, 2011, 20, 653-660.	5.8	348
47	Deciphering the distribution of the savanna biome. New Phytologist, 2011, 191, 197-209.	7.3	410
48	Savannas Need Protection. Science, 2010, 327, 642-643.	12.6	13
49	Treeâ€“Grass Interactions in Savannas. , 2010, , 39-53.		4
50	Fire controls population structure in four dominant tree species in a tropical savanna. Oecologia, 2009, 161, 505-515.	2.0	52
51	Decadal dynamics of tree cover in an Australian tropical savanna. Austral Ecology, 2009, 34, 601-612.	1.5	42
52	Spatioâ€temporal trends in tree cover of a tropical mesic savanna are driven by landscape disturbance. Journal of Applied Ecology, 2008, 45, 1304-1311.	4.0	63
53	SAVANNA RESPONSES TO FERAL BUFFALO IN KAKADU NATIONAL PARK, AUSTRALIA. Ecological Monographs, 2007, 77, 441-463.	5.4	75