

Sandra C MÃ¼ller

List of Publications by Year in descending order

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Version: 2024-02-01

76
papers

6,536
citations

218677

26
h-index

82547

72
g-index

77
all docs

77
docs citations

77
times ranked

11435
citing authors

#	ARTICLE	IF	CITATIONS
1	TRY â€“ a global database of plant traits. <i>Global Change Biology</i> , 2011, 17, 2905-2935.	9.5	2,002
2	TRY plant trait database â€“ enhanced coverage and open access. <i>Global Change Biology</i> , 2020, 26, 119-188.	9.5	1,038
3	Brazil's neglected biome: The South Brazilian Campos. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2007, 9, 101-116.	2.7	554
4	Worldwide evidence of a unimodal relationship between productivity and plant species richness. <i>Science</i> , 2015, 349, 302-305.	12.6	315
5	Biodiversity recovery of Neotropical secondary forests. <i>Science Advances</i> , 2019, 5, eaau3114.	10.3	291
6	Conservation in Brazil needs to include nonâ€“forest ecosystems. <i>Diversity and Distributions</i> , 2015, 21, 1455-1460.	4.1	273
7	Functional redundancy and stability in plant communities. <i>Journal of Vegetation Science</i> , 2013, 24, 963-974.	2.2	169
8	Multidimensional tropical forest recovery. <i>Science</i> , 2021, 374, 1370-1376.	12.6	165
9	Integrating ecosystem functions into restoration ecologyâ€”recent advances and future directions. <i>Restoration Ecology</i> , 2016, 24, 722-730.	2.9	140
10	Fineâ€“scale postâ€“fire dynamics in southern Brazilian subtropical grassland. <i>Journal of Vegetation Science</i> , 2005, 16, 655-664.	2.2	132
11	Wet and dry tropical forests show opposite successional pathways in wood density but converge over time. <i>Nature Ecology and Evolution</i> , 2019, 3, 928-934.	7.8	120
12	Plant Functional Types of Woody Species Related to Fire Disturbance in Forestâ€“Grassland Ecotones. <i>Plant Ecology</i> , 2007, 189, 1-14.	1.6	86
13	Lateâ€“Holocene fire history in a forestâ€“grassland mosaic in southern Brasil: Implications for conservation. <i>Applied Vegetation Science</i> , 2007, 10, 81-90.	1.9	73
14	Taking the pulse of Earth's tropical forests using networks of highly distributed plots. <i>Biological Conservation</i> , 2021, 260, 108849.	4.1	71
15	Restoration Ecology in BrazilÂ ÂTime to Step Out of the Forest. <i>Natureza A Conservacao</i> , 2013, 11, 92-95.	2.5	68
16	Linking beta diversity patterns to protected areas: lessons from the Brazilian Atlantic Rainforest. <i>Biodiversity and Conservation</i> , 2017, 26, 1557-1568.	2.6	53
17	No heat-stimulated germination found in herbaceous species from burned subtropical grassland. <i>Plant Ecology</i> , 2006, 184, 237-243.	1.6	50
18	Shortâ€“term changes caused by fire and mowing in Brazilian <i>Campos</i> grasslands with different longâ€“term fire histories. <i>Journal of Vegetation Science</i> , 2012, 23, 552-562.	2.2	48

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19	Floristic composition, environmental variation and species distribution patterns in burned grassland in southern Brazil. <i>Brazilian Journal of Biology</i> , 2006, 66, 1073-1090.	0.9	47
20	Functional diversity and traits assembly patterns of lichens as indicators of successional stages in a tropical rainforest. <i>Ecological Indicators</i> , 2013, 34, 22-30.	6.3	46
21	Climate and large-sized trees, but not diversity, drive above-ground biomass in subtropical forests. <i>Forest Ecology and Management</i> , 2021, 490, 119126.	3.2	39
22	Functional recovery of secondary tropical forests. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	34
23	Population biology and regeneration of forbs and shrubs after fire in Brazilian Campos grasslands. <i>Plant Ecology</i> , 2010, 211, 107-117.	1.6	32
24	Woody species patterns at forest-grassland boundaries in southern Brazil. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2012, 207, 586-598.	1.2	30
25	Habitat Structure Influences the Diversity, Richness and Composition of Bird Assemblages in Successional Atlantic Rain Forests. <i>Tropical Conservation Science</i> , 2016, 9, 503-524.	1.2	29
26	Short gradient, but distinct plant strategies: The CSR scheme applied to subtropical forests. <i>Journal of Vegetation Science</i> , 2019, 30, 984-993.	2.2	29
27	Shifts in composition of avian communities related to temperate-grassland afforestation in southeastern South America. <i>Iheringia - Serie Zoologia</i> , 2013, 103, 12-19.	0.5	27
28	Plant Traits Rather than Species Richness Explain Ecological Processes in Subtropical Forests. <i>Ecosystems</i> , 2020, 23, 52-66.	3.4	27
29	Indicator species and floristic patterns in different forest formations in southern Atlantic rainforests of Brazil. <i>Community Ecology</i> , 2012, 13, 162-170.	0.9	25
30	Degradation by coal mining should be priority in restoration planning. <i>Perspectives in Ecology and Conservation</i> , 2017, 15, 202-205.	1.9	24
31	Functional redundancy in a clipping experiment on grassland plant communities. <i>Oikos</i> , 2011, 120, 1420-1426.	2.7	23
32	Effects of grazing regimes on the temporal dynamics of grassland communities. <i>Applied Vegetation Science</i> , 2019, 22, 326-335.	1.9	23
33	Placing Brazil's grasslands and savannas on the map of science and conservation. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2022, 56, 125687.	2.7	22
34	Taxonomic and functional diversity of woody plant communities on opposing slopes of inselbergs in southern Brazil. <i>Plant Ecology and Diversity</i> , 2015, 8, 187-197.	2.4	21
35	South Brazilian Forest-Grassland Ecotones: Dynamics Affected by Climate, Disturbance, and Woody Species Traits. , 2012, , 167-187.		20
36	Atlantic rain forest recovery: successional drivers of floristic and structural patterns of secondary forest in southern Brazil. <i>Journal of Vegetation Science</i> , 2014, 25, 1056-1068.	2.2	19

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37	Functional biogeography of Neotropical moist forests: Trait-climate relationships and assembly patterns of tree communities. <i>Global Ecology and Biogeography</i> , 2021, 30, 1430-1446.	5.8	18
38	Making forest data fair and open. <i>Nature Ecology and Evolution</i> , 2022, 6, 656-658.	7.8	18
39	Recurrent patterns of phylogenetic habitat filtering in woody plant communities across phytogeographically distinct grassland-forest ecotones. <i>Community Ecology</i> , 2015, 16, 1-9.	0.9	17
40	Interactive effects of environmental filtering predict beta-diversity patterns in a subtropical forest metacommunity. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2015, 17, 96-106.	2.7	17
41	Drivers of subtropical forest dynamics: The role of functional traits, forest structure and soil variables. <i>Journal of Vegetation Science</i> , 2019, 30, 1164-1174.	2.2	17
42	Controlling the invader <i>Urochloa decumbens</i> : Subsidies for ecological restoration in subtropical Campos grassland. <i>Applied Vegetation Science</i> , 2019, 22, 96-104.	1.9	17
43	Estrutura sinusal dos componentes herbáceo e arbustivo de uma floresta costeira subtropical. <i>Revista Brasileira De Botanica</i> , 2001, 24, 395-406.	1.3	16
44	Chuva de sementes de espécies lenhosas florestais em mosaicos de floresta com Araucária e campos no Sul do Brasil. <i>Acta Botanica Brasilica</i> , 2011, 25, 160-167.	0.8	15
45	Florística e fitossociologia da vegetação de um campo sujeito à arenização no sudoeste do Estado do Rio Grande do Sul, Brasil. <i>Acta Botanica Brasilica</i> , 2009, 23, 414-426.	0.8	14
46	Perda de diversidade taxonômica e funcional de aves em área urbana no sul do Brasil. <i>Iheringia - Serie Zoologia</i> , 2015, 105, 276-287.	0.5	14
47	Predicting restored communities based on reference ecosystems using a trait-based approach. <i>Forest Ecology and Management</i> , 2017, 391, 176-183.	3.2	14
48	Restoration of abandoned subtropical highland grasslands in Brazil: mowing produces fast effects, but hay transfer does not. <i>Acta Botanica Brasilica</i> , 2019, 33, 405-411.	0.8	14
49	Loss of suitable climatic areas for Araucaria forests over time. <i>Plant Ecology and Diversity</i> , 2019, 12, 115-126.	2.4	14
50	Floristic and structural patterns in South Brazilian coastal grasslands. <i>Anais Da Academia Brasileira De Ciencias</i> , 2015, 87, 2081-2090.	0.8	13
51	Forest restoration after severe degradation by coal mining: lessons from the first years of monitoring. <i>Revista Brasileira De Botanica</i> , 2018, 41, 653-664.	1.3	12
52	Assembly patterns and functional diversity of tree species in a successional gradient of Araucaria forest in Southern Brazil. <i>Natureza A Conservacao</i> , 2016, 14, 67-73.	2.5	11
53	Forest expansion or fragmentation? Discriminating forest fragments from natural forest patches through patch structure and spatial context metrics. <i>Austral Ecology</i> , 2015, 40, 21-31.	1.5	10
54	Effects of initial disturbances and grazing regime on native grassland invasion by <i>Eragrostis plana</i> in southern Brazil. <i>Perspectives in Ecology and Conservation</i> , 2018, 16, 158-165.	1.9	10

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55	Assessing ecosystem functioning in forests undergoing restoration. <i>Restoration Ecology</i> , 2019, 27, 158-167.	2.9	10
56	Elevational shifts in phylogenetic diversity of angiosperm trees across the subtropical Brazilian Atlantic Forest. <i>Austral Ecology</i> , 2021, 46, 486-495.	1.5	10
57	Strong floristic distinctiveness across Neotropical successional forests. <i>Science Advances</i> , 2022, 8, .	10.3	10
58	Scale-specific processes shape plant community patterns in subtropical coastal grasslands. <i>Austral Ecology</i> , 2016, 41, 65-73.	1.5	9
59	Fine-scale post-fire dynamics in southern Brazilian subtropical grassland. <i>Journal of Vegetation Science</i> , 2005, 16, 655.	2.2	9
60	Comparison between grassland communities with and without disturbances. <i>Neotropical Biology and Conservation</i> , 2010, 5, 3-9.	0.3	8
61	Nuanced qualitative trait approaches reveal environmental filtering and phylogenetic constraints on lichen communities. <i>Ecosphere</i> , 2022, 13, .	2.2	7
62	AVALIAÇÃO DA REGENERAÇÃO NATURAL EM ÁREA DE RESTAURAÇÃO ECOLÓGICA E MATA CILIAR DE REFERÊNCIA. <i>Ciencia Florestal</i> , 2017, 27, 521-534.	0.3	5
63	Padrões espaciais da vegetação lenhosa associados ao processo de expansão da Floresta com Araucaria sobre Campos excluídos de manejo. <i>Neotropical Biology and Conservation</i> , 2019, 14, 411-429.	0.9	5
64	Ecologia funcional como ferramenta para planejar e monitorar a restauração ecológica de ecossistemas. <i>Oecologia Australis</i> , 2020, 24, 550-565.	0.2	5
65	Floristic and vegetation structure of a granitic grassland in Southern Brazil. <i>Revista Brasileira De Botanica</i> , 2010, 33, .	1.3	4
66	Plant functional traits explain species abundance patterns and strategies shifts among saplings and adult trees in Araucaria forests. <i>Austral Ecology</i> , 2021, 46, 1084.	1.5	4
67	Restoration Of Tropical And Subtropical Grasslands. , 2017, , 327-339.		4
68	Late-Holocene fire history in a forest-grassland mosaic in southern Brasil: Implications for conservation. <i>Applied Vegetation Science</i> , 2007, 10, 81.	1.9	4
69	Frost hinders the establishment of trees in highland grasslands in the Atlantic Forest ecotone region of southern Brazil. <i>Journal of Vegetation Science</i> , 2021, 32, e13053.	2.2	3
70	Functional patterns of tree communities in natural Araucaria forests and old monoculture conifer plantations. <i>Acta Botanica Brasilica</i> , 2019, 33, 777-785.	0.8	3
71	Combined fire and grazing of surrounding grassland does not prevent saxicolous lichens growth. <i>Plant Ecology and Evolution</i> , 2015, 148, 311-317.	0.7	2
72	Diversity and floristic differentiation of South Brazilian coastal plain Atlantic forests based on herb layer life-forms. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2018, 249, 164-171.	1.2	2

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73	Predicting plant performance for the ecological restoration of grasslands: the role of regenerative traits. <i>Restoration Ecology</i> , 2020, 28, 1183-1191.	2.9	2
74	Climatic distribution of tree species in the Atlantic Forest. <i>Biotropica</i> , 2022, 54, 1170-1181.	1.6	2
75	Mass effects explain sapling community assembly in Araucaria mixed forest metacommunities. <i>Journal of Vegetation Science</i> , 2019, 30, 664-673.	2.2	1
76	Canopy Leaf Traits, Basal Area, and Age Predict Functional Patterns of Regenerating Communities in Secondary Subtropical Forests. <i>Frontiers in Forests and Global Change</i> , 2021, 4, .	2.3	1