

Caroline A E Strömberg

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

3,368
citations

430843

18
h-index

552766

26
g-index

27
all docs

27
docs citations

27
times ranked

4325
citing authors

#	ARTICLE	IF	CITATIONS
1	Whipping phytoliths into shape (and size). A Commentary on: “Inter- and intraspecific variation in grass phytolith shape and size: a geometric morphometrics perspective” TM . <i>Annals of Botany</i> , 2021, 127, iii-iv.	2.9	0
2	Patagonian Aridification at the Onset of the Mid-Miocene Climatic Optimum. <i>Paleoceanography and Paleoclimatology</i> , 2020, 35, e2020PA003956.	2.9	14
3	Lineage-based functional types: characterising functional diversity to enhance the representation of ecological behaviour in Land Surface Models. <i>New Phytologist</i> , 2020, 228, 15-23.	7.3	20
4	High silicon concentrations in grasses are linked to environmental conditions and not associated with C ₄ photosynthesis. <i>Global Change Biology</i> , 2020, 26, 7128-7143.	9.5	15
5	On the Young Savannas in the Land of Ancient Forests. <i>Fascinating Life Sciences</i> , 2020, , 271-298.	0.9	32
6	3D shape analysis of grass silica short cell phytoliths: a new method for fossil classification and analysis of shape evolution. <i>New Phytologist</i> , 2020, 228, 376-392.	7.3	18
7	International Code for Phytolith Nomenclature (ICPN) 2.0. <i>Annals of Botany</i> , 2019, 124, 189-199.	2.9	320
8	Evolution of phytolith deposition in modern bryophytes, and implications for the fossil record and influence on silica cycle in early land plant evolution. <i>New Phytologist</i> , 2019, 221, 2273-2285.	7.3	13
9	Contribution of forests to the carbon sink via biologically-mediated silicate weathering: A case study of China. <i>Science of the Total Environment</i> , 2018, 615, 1-8.	8.0	31
10	Phytoliths in Paleoecology: Analytical Considerations, Current Use, and Future Directions. <i>Vertebrate Paleobiology and Paleoanthropology</i> , 2018, , 235-287.	0.5	42
11	Climatic Controls on C ₄ Grassland Distributions During the Neogene: A Model-Data Comparison. <i>Frontiers in Ecology and Evolution</i> , 2018, 6, .	2.2	15
12	Biodiversity and Topographic Complexity: Modern and Geohistorical Perspectives. <i>Trends in Ecology and Evolution</i> , 2017, 32, 211-226.	8.7	175
13	Phytolith carbon sequestration in global terrestrial biomes. <i>Science of the Total Environment</i> , 2017, 603-604, 502-509.	8.0	57
14	Comment on “The extent of forest in dryland biomes”. <i>Science</i> , 2017, 358, .	12.6	57
15	Functions of phytoliths in vascular plants: an evolutionary perspective. <i>Functional Ecology</i> , 2016, 30, 1286-1297.	3.6	102
16	Light Environment and Epidermal Cell Morphology in Grasses. <i>International Journal of Plant Sciences</i> , 2015, 176, 832-847.	1.3	10
17	Linked canopy, climate, and faunal change in the Cenozoic of Patagonia. <i>Science</i> , 2015, 347, 258-261.	12.6	158
18	Biogeographically distinct controls on C ₃ and C ₄ grass distributions: merging community and physiological ecology. <i>Global Ecology and Biogeography</i> , 2015, 24, 304-313.	5.8	33

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19	Molecular Dating, Evolutionary Rates, and the Age of the Grasses. <i>Systematic Biology</i> , 2014, 63, 153-165.	5.6	155
20	Decoupling the spread of grasslands from the evolution of grazer-type herbivores in South America. <i>Nature Communications</i> , 2013, 4, 1478.	12.8	165
21	Floral and environmental gradients on a Late Cretaceous landscape. <i>Ecological Monographs</i> , 2012, 82, 23-47.	5.4	32
22	The Neogene transition from C ₃ to C ₄ grasslands in North America: assemblage analysis of fossil phytoliths. <i>Paleobiology</i> , 2011, 37, 50-71.	2.0	110
23	The Neogene transition from C ₃ to C ₄ grasslands in North America: stable carbon isotope ratios of fossil phytoliths. <i>Paleobiology</i> , 2011, 37, 23-49.	2.0	70
24	The Origins of C ₄ Grasslands: Integrating Evolutionary and Ecosystem Science. <i>Science</i> , 2010, 328, 587-591.	12.6	899
25	Evolution of hypsodonty in equids: testing a hypothesis of adaptation. <i>Paleobiology</i> , 2006, 32, 236-258.	2.0	146
26	Decoupled taxonomic radiation and ecological expansion of open-habitat grasses in the Cenozoic of North America. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 11980-11984.	7.1	285
27	Dinosaur Coprolites and the Early Evolution of Grasses and Grazers. <i>Science</i> , 2005, 310, 1177-1180.	12.6	394