

# Caroline Strmberg

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

39  
papers

2,887  
citations

22  
h-index

43  
g-index

43  
ext. papers

3,593  
ext. citations

9.4  
avg, IF

5.24  
L-index

#	Paper	IF	Citations
39	The origins of C4 grasslands: integrating evolutionary and ecosystem science. <i>Science</i> , <b>2010</b> , 328, 587-91	33.3	698
38	Dinosaur coprolites and the early evolution of grasses and grazers. <i>Science</i> , <b>2005</b> , 310, 1177-80	33.3	331
37	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> , <b>2005</b> , 102, 11980-4	11.5	234
36	Late Cretaceous origin of the rice tribe provides evidence for early diversification in Poaceae. <i>Nature Communications</i> , <b>2011</b> , 2, 480	17.4	147
35	International Code for Phytolith Nomenclature (ICPN) 2.0. <i>Annals of Botany</i> , <b>2019</b> , 124, 189-199	4.1	131
34	Molecular dating, evolutionary rates, and the age of the grasses. <i>Systematic Biology</i> , <b>2014</b> , 63, 153-65	8.4	128
33	Decoupling the spread of grasslands from the evolution of grazer-type herbivores in South America. <i>Nature Communications</i> , <b>2013</b> , 4, 1478	17.4	124
32	Evolution of hypsodonty in equids: testing a hypothesis of adaptation. <i>Paleobiology</i> , <b>2006</b> , 32, 236-258	2.6	124
31	Linked canopy, climate, and faunal change in the Cenozoic of Patagonia. <i>Science</i> , <b>2015</b> , 347, 258-61	33.3	116
30	Comment on "The global tree restoration potential". <i>Science</i> , <b>2019</b> , 366,	33.3	109
29	Biodiversity and Topographic Complexity: Modern and Geohistorical Perspectives. <i>Trends in Ecology and Evolution</i> , <b>2017</b> , 32, 211-226	10.9	107
28	A new chronology for middle Eocene-early Miocene South American Land Mammal Ages. <i>Bulletin of the Geological Society of America</i> , <b>2013</b> , 125, 539-555	3.9	87
27	The Neogene transition from C3 to C4 grasslands in North America: assemblage analysis of fossil phytoliths. <i>Paleobiology</i> , <b>2011</b> , 37, 50-71	2.6	87
26	Functions of phytoliths in vascular plants: an evolutionary perspective. <i>Functional Ecology</i> , <b>2016</b> , 30, 1286-1297	5.1	75
25	The Neogene transition from C3 to C4 grasslands in North America: stable carbon isotope ratios of fossil phytoliths. <i>Paleobiology</i> , <b>2011</b> , 37, 23-49	2.6	59
24	The Miocene: The Future of the Past. <i>Paleoceanography and Paleoclimatology</i> , <b>2021</b> , 36, e2020PA004037	3.3	41
23	Phytolith carbon sequestration in global terrestrial biomes. <i>Science of the Total Environment</i> , <b>2017</b> , 603-604, 502-509	10.2	37

22	Comment on "The extent of forest in dryland biomes". <i>Science</i> , <b>2017</b> , 358,	33.3	31
21	Bivalve network reveals latitudinal selectivity gradient at the end-Cretaceous mass extinction. <i>Scientific Reports</i> , <b>2013</b> , 3,	4.9	26
20	Biogeographically distinct controls on C3 and C4 grass distributions: merging community and physiological ecology. <i>Global Ecology and Biogeography</i> , <b>2015</b> , 24, 304-313	6.1	22
19	Eocene vegetation and ecosystem fluctuations inferred from a high-resolution phytolith record. <i>Bulletin of the Geological Society of America</i> , <b>2012</b> , 124, 1577-1589	3.9	22
18	Floral and environmental gradients on a Late Cretaceous landscape. <i>Ecological Monographs</i> , <b>2012</b> , 82, 23-47	9	22
17	Phytoliths in Paleoecology: Analytical Considerations, Current Use, and Future Directions. <i>Vertebrate Paleobiology and Paleoanthropology</i> , <b>2018</b> , 235-287	0.8	20
16	Contribution of forests to the carbon sink via biologically-mediated silicate weathering: A case study of China. <i>Science of the Total Environment</i> , <b>2018</b> , 615, 1-8	10.2	19
15	Assembly of modern mammal community structure driven by Late Cretaceous dental evolution, rise of flowering plants, and dinosaur demise. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 9931-9940	11.5	18
14	On the Young Savannas in the Land of Ancient Forests. <i>Fascinating Life Sciences</i> , <b>2020</b> , 271-298	1.1	12
13	Applying morphometrics to early land plant systematics: a new <i>Leclercqia</i> (Lycopsida) species from Washington State, USA. <i>American Journal of Botany</i> , <b>2014</b> , 101, 510-20	2.7	8
12	3D shape analysis of grass silica short cell phytoliths: a new method for fossil classification and analysis of shape evolution. <i>New Phytologist</i> , <b>2020</b> , 228, 376-392	9.8	8
11	High silicon concentrations in grasses are linked to environmental conditions and not associated with C photosynthesis. <i>Global Change Biology</i> , <b>2020</b> , 26, 7128-7143	11.4	8
10	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> , <b>2019</b> , 221, 2273-2285	9.8	8
9	Patagonian Aridification at the Onset of the Mid-Miocene Climatic Optimum. <i>Paleoceanography and Paleoclimatology</i> , <b>2020</b> , 35, e2020PA003956	3.3	7
8	Climatic Controls on C4 Grassland Distributions During the Neogene: A Model-Data Comparison. <i>Frontiers in Ecology and Evolution</i> , <b>2018</b> , 6,	3.7	6
7	Light Environment and Epidermal Cell Morphology in Grasses. <i>International Journal of Plant Sciences</i> , <b>2015</b> , 176, 832-847	2.6	5
6	The utility of livestock dung for reconstructing recent ethnological and environmental histories. <i>Environmental Archaeology</i> , <b>2017</b> , 22, 128-146	1.2	4
5	Exploring cycad foliage as an archive of the isotopic composition of atmospheric nitrogen. <i>Geobiology</i> , <b>2020</b> , 18, 152-166	4.3	2

4	Lineage-based functional types: characterising functional diversity to enhance the representation of ecological behaviour in Land Surface Models. <i>New Phytologist</i> , <b>2020</b> , 228, 15-23	9.8	2
3	Seafood Salad: A diverse latest Cretaceous flora from eastern Montana. <i>Cretaceous Research</i> , <b>2021</b> , 121, 104734	1.8	1
2	Evolution of Grazer Morphologies in the Absence of Grasslands in Southern South America. <i>The Paleontological Society Special Publications</i> , <b>2014</b> , 13, 113-113		
1	Response by Caroline Strömberg for the presentation of the 2017 Schuchert Award of the Paleontological Society. <i>Journal of Paleontology</i> , <b>2018</b> , 92, 950-951	1.1	