

# Miles R Silman

## List of Publications by Year in Descending Order

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**Version:** 2024-04-28

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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.

71  
papers

4,565  
citations

38  
h-index

67  
g-index

77  
ext. papers

5,417  
ext. citations

7  
avg, IF

5.36  
L-index

#	Paper	IF	Citations
71	A low-cost, long-term underwater camera trap network coupled with deep residual learning image analysis.. <i>PLoS ONE</i> , <b>2022</b> , 17, e0263377	3.7	2
70	Globally, tree fecundity exceeds productivity gradients.. <i>Ecology Letters</i> , <b>2022</b> ,	10	4
69	Limits to reproduction and seed size-number trade-offs that shape forest dominance and future recovery.. <i>Nature Communications</i> , <b>2022</b> , 13, 2381	17.4	2
68	Benthic pattern formation in shallow tropical reefs: does grazing explain grazing halos?. <i>Landscape Ecology</i> , <b>2021</b> , 36, 1605-1620	4.3	1
67	Fine root dynamics across pantropical rainforest ecosystems. <i>Global Change Biology</i> , <b>2021</b> , 27, 3657-3680	11.4	2
66	Mercury in soils impacted by alluvial gold mining in the Peruvian Amazon. <i>Journal of Environmental Management</i> , <b>2021</b> , 288, 112364	7.9	2
65	Landslide age, elevation and residual vegetation determine tropical montane forest canopy recovery and biomass accumulation after landslide disturbances in the Peruvian Andes. <i>Journal of Ecology</i> , <b>2021</b> , 109, 3555	6	3
64	Modern pollen rain predicts shifts in plant trait composition but not plant diversity along the Andes-Amazon elevational gradient. <i>Journal of Vegetation Science</i> , <b>2021</b> , 32, e12925	3.1	1
63	From plots to policy: How to ensure long-term forest plot data supports environmental management in intact tropical forest landscapes. <i>Plants People Planet</i> , <b>2021</b> , 3, 229-237	4.1	3
62	Evolutionary heritage shapes tree distributions along an Amazon-to-Andes elevation gradient. <i>Biotropica</i> , <b>2021</b> , 53, 38-50	2.3	9
61	Is there tree senescence? The fecundity evidence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	13
60	Evaluating the Use of Drones Equipped with Thermal Sensors as an Effective Method for Estimating Wildlife. <i>Wildlife Society Bulletin</i> , <b>2020</b> , 44, 434-443	1.4	13
59	Biased-corrected richness estimates for the Amazonian tree flora. <i>Scientific Reports</i> , <b>2020</b> , 10, 10130	4.9	24
58	Rarity of monodominance in hyperdiverse Amazonian forests. <i>Scientific Reports</i> , <b>2019</b> , 9, 13822	4.9	19
57	Bryophyte stable isotope composition, diversity and biomass define tropical montane cloud forest extent. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2019</b> , 286, 20182284	4.4	5
56	Informing trait-based ecology by assessing remotely sensed functional diversity across a broad tropical temperature gradient. <i>Science Advances</i> , <b>2019</b> , 5, eaaw8114	14.3	29
55	Species Distribution Modelling: Contrasting presence-only models with plot abundance data. <i>Scientific Reports</i> , <b>2018</b> , 8, 1003	4.9	78

54	Vegetation responses to late Holocene climate changes in an Andean forest. <i>Quaternary Research</i> , <b>2018</b> , 89, 60-74	1.9	12
53	Microbes follow Humboldt: temperature drives plant and soil microbial diversity patterns from the Amazon to the Andes. <i>Ecology</i> , <b>2018</b> , 99, 2455-2466	4.6	95
52	Widespread but heterogeneous responses of Andean forests to climate change. <i>Nature</i> , <b>2018</b> , 564, 207-212	3.1	103
51	Deforestation and Forest Degradation Due to Gold Mining in the Peruvian Amazon: A 34-Year Perspective. <i>Remote Sensing</i> , <b>2018</b> , 10, 1903	5	63
50	Solar radiation and functional traits explain the decline of forest primary productivity along a tropical elevation gradient. <i>Ecology Letters</i> , <b>2017</b> , 20, 730-740	10	62
49	The variation of productivity and its allocation along a tropical elevation gradient: a whole carbon budget perspective. <i>New Phytologist</i> , <b>2017</b> , 214, 1019-1032	9.8	68
48	Disappearing climates will limit the efficacy of Amazonian protected areas. <i>Diversity and Distributions</i> , <b>2016</b> , 22, 1081-1084	5	17
47	Unmanned aerial vehicles for the assessment and monitoring of environmental contamination: An example from coal ash spills. <i>Environmental Pollution</i> , <b>2016</b> , 218, 889-894	9.3	30
46	Rapid Assessments of Amazon Forest Structure and Biomass Using Small Unmanned Aerial Systems. <i>Remote Sensing</i> , <b>2016</b> , 8, 615	5	64
45	Fire and climate: contrasting pressures on tropical Andean timberline species. <i>Journal of Biogeography</i> , <b>2015</b> , 42, 938-950	4.1	12
44	Estimating the global conservation status of more than 15,000 Amazonian tree species. <i>Science Advances</i> , <b>2015</b> , 1, e1500936	14.3	91
43	Phylogenetic diversity of Amazonian tree communities. <i>Diversity and Distributions</i> , <b>2015</b> , 21, 1295-1307	5	56
42	Anthropogenic influence on Amazonian forests in pre-history: An ecological perspective. <i>Journal of Biogeography</i> , <b>2015</b> , 42, 2277-2288	4.1	69
41	Large-scale patterns of turnover and Basal area change in Andean forests. <i>PLoS ONE</i> , <b>2015</b> , 10, e0126594	3.7	21
40	Spatial patterns of above-ground structure, biomass and composition in a network of six Andean elevation transects. <i>Plant Ecology and Diversity</i> , <b>2014</b> , 7, 161-171	2.2	60
39	Tropical Forests in the Anthropocene. <i>Annual Review of Environment and Resources</i> , <b>2014</b> , 39, 125-159	17.2	233
38	Distribution and abundance of tree species in swamp forests of Amazonian Ecuador. <i>Ecography</i> , <b>2014</b> , 37, 902-915	6.5	27
37	Seasonal production, allocation and cycling of carbon in two mid-elevation tropical montane forest plots in the Peruvian Andes. <i>Plant Ecology and Diversity</i> , <b>2014</b> , 7, 125-142	2.2	38

36	Targeted carbon conservation at national scales with high-resolution monitoring. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, E5016-22	11.5	65
35	Assessing above-ground woody debris dynamics along a gradient of elevation in Amazonian cloud forests in Peru: balancing above-ground inputs and respiration outputs. <i>Plant Ecology and Diversity</i> , <b>2014</b> , 7, 143-160	2.2	17
34	Functional megadiversity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 5763-4	11.5	6
33	Epiphyte response to drought and experimental warming. <i>F1000Research</i> , <b>2014</b> , 3, 7	3.6	7
32	Hyperdominance in the Amazonian tree flora. <i>Science</i> , <b>2013</b> , 342, 1243092	33.3	637
31	The relationship of tropical bird communities to tree species composition and vegetation structure along an Andean elevational gradient. <i>Journal of Biogeography</i> , <b>2013</b> , 40, 950-962	4.1	105
30	Holocene fires, forest stability and human occupation in south-western Amazonia. <i>Journal of Biogeography</i> , <b>2013</b> , 40, 521-533	4.1	51
29	Historical fire and bamboo dynamics in western Amazonia. <i>Journal of Biogeography</i> , <b>2013</b> , 40, 299-309	4.1	27
28	The relative importance of deforestation, precipitation change, and temperature sensitivity in determining the future distributions and diversity of Amazonian plant species. <i>Global Change Biology</i> , <b>2012</b> , 18, 2636-2647	11.4	50
27	Upslope migration of Andean trees. <i>Journal of Biogeography</i> , <b>2011</b> , 38, 783-791	4.1	225
26	The data void in modeling current and future distributions of tropical species. <i>Global Change Biology</i> , <b>2011</b> , 17, 626-630	11.4	94
25	Keep collecting: accurate species distribution modelling requires more collections than previously thought. <i>Diversity and Distributions</i> , <b>2011</b> , 17, 1132-1140	5	126
24	Pollen-vegetation relationships along steep climatic gradients in western Amazonia. <i>Journal of Vegetation Science</i> , <b>2011</b> , 22, 795-806	3.1	27
23	Fire and drought as drivers of early Holocene tree line changes in the Peruvian Andes. <i>Journal of Quaternary Science</i> , <b>2011</b> , 26, 28-36	2.3	21
22	Biotic attrition from tropical forests correcting for truncated temperature niches. <i>Global Change Biology</i> , <b>2010</b> , 16, 1830-1836	11.4	98
21	Changes in species interactions across a 2.5 km elevation gradient: effects on plant migration in response to climate change. <i>Global Change Biology</i> , <b>2010</b> , 16, 3205-3214	11.4	52
20	Modelling the responses of Andean and Amazonian plant species to climate change: the effects of georeferencing errors and the importance of data filtering. <i>Journal of Biogeography</i> , <b>2010</b> , 37, 733-740	4.1	50
19	No Differences in Soil Carbon Stocks Across the Tree Line in the Peruvian Andes. <i>Ecosystems</i> , <b>2010</b> , 13, 62-74	3.9	57

18	Ecosystem Carbon Storage Across the GrasslandForest Transition in the High Andes of Manu National Park, Peru. <i>Ecosystems</i> , <b>2010</b> , 13, 1097-1111	3.9	74
17	A long history of cloud and forest migration from Lake Consuelo, Peru. <i>Quaternary Research</i> , <b>2010</b> , 73, 364-373	1.9	48
16	A 24,700-yr paleolimnological history from the Peruvian Andes. <i>Quaternary Research</i> , <b>2009</b> , 71, 71-82	1.9	72
15	Extinction risks of Amazonian plant species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 12382-7	11.5	57
14	Amazonian exploitation revisited: ecological asymmetry and the policy pendulum. <i>Frontiers in Ecology and the Environment</i> , <b>2007</b> , 5, 457-465	5.5	75
13	Amazonian exploitation revisited: ecological asymmetry and the policy pendulum <b>2007</b> , 5, 457		1
12	Getting to the root of tree neighbourhoods: hectare-scale root zones of a neotropical fig. <i>Journal of Tropical Ecology</i> , <b>2006</b> , 22, 727-730	1.3	6
11	Vegetation dynamics of predator-free land-bridge islands. <i>Journal of Ecology</i> , <b>2006</b> , 94, 253-263	6	119
10	The Last Glacial Maximum: stability and change in a western Amazonian cloud forest. <i>Journal of Quaternary Science</i> , <b>2005</b> , 20, 693-701	2.3	43
9	An analysis of modern pollen rain on an elevational gradient in southern Peru. <i>Journal of Tropical Ecology</i> , <b>2004</b> , 20, 113-124	1.3	91
8	Observations on Late Pleistocene cooling and precipitation in the lowland Neotropics. <i>Journal of Quaternary Science</i> , <b>2004</b> , 19, 677-684	2.3	84
7	POPULATION REGULATION OF A DOMINANT RAIN FOREST TREE BY A MAJOR SEED PREDATOR. <i>Ecology</i> , <b>2003</b> , 84, 431-438	4.6	104
6	A COMPARISON OF TREE SPECIES DIVERSITY IN TWO UPPER AMAZONIAN FORESTS. <i>Ecology</i> , <b>2002</b> , 83, 3210-3224	4.6	97
5	DOMINANCE AND DISTRIBUTION OF TREE SPECIES IN UPPER AMAZONIAN TERRA FIRME FORESTS. <i>Ecology</i> , <b>2001</b> , 82, 2101-2117	4.6	366
4	DOMINANCE AND DISTRIBUTION OF TREE SPECIES IN UPPER AMAZONIAN TERRA FIRME FORESTS <b>2001</b> , 82, 2101		19
3	TREE SPECIES DISTRIBUTIONS IN AN UPPER AMAZONIAN FOREST. <i>Ecology</i> , <b>1999</b> , 80, 2651-2661	4.6	236
2	TREE SPECIES DISTRIBUTIONS IN AN UPPER AMAZONIAN FOREST <b>1999</b> , 80, 2651		2
1	TREE SPECIES DISTRIBUTIONS IN AN UPPER AMAZONIAN FOREST <b>1999</b> , 80, 2651		17

