

Milena Holmgren

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/461129/publications.pdf>

Version: 2024-02-01

85
papers

7,206
citations

81743

39
h-index

58464

82
g-index

88
all docs

88
docs citations

88
times ranked

9684
citing authors

#	ARTICLE	IF	CITATIONS
1	Global Resilience of Tropical Forest and Savanna to Critical Transitions. <i>Science</i> , 2011, 334, 232-235.	6.0	954
2	THE INTERPLAY OF FACILITATION AND COMPETITION IN PLANT COMMUNITIES. <i>Ecology</i> , 1997, 78, 1966-1975.	1.5	835
3	El Niño effects on the dynamics of terrestrial ecosystems. <i>Trends in Ecology and Evolution</i> , 2001, 16, 89-94.	4.2	409
4	Extreme climatic events shape arid and semiarid ecosystems. <i>Frontiers in Ecology and the Environment</i> , 2006, 4, 87-95.	1.9	380
5	Thresholds for boreal biome transitions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 21384-21389.	3.3	286
6	Strong facilitation in mild environments: the stress gradient hypothesis revisited. <i>Journal of Ecology</i> , 2010, 98, 1269-1275.	1.9	271
7	Forest resilience and tipping points at different spatio-temporal scales: approaches and challenges. <i>Journal of Ecology</i> , 2015, 103, 5-15.	1.9	224
8	El Niño as a Window of Opportunity for the Restoration of Degraded Arid Ecosystems. <i>Ecosystems</i> , 2001, 4, 151-159.	1.6	211
9	Forest-rainfall cascades buffer against drought across the Amazon. <i>Nature Climate Change</i> , 2018, 8, 539-543.	8.1	191
10	Remotely sensed resilience of tropical forests. <i>Nature Climate Change</i> , 2016, 6, 1028-1031.	8.1	157
11	Multiple Recruitment Limitation Causes Arrested Succession in Mediterranean Cork Oak Systems. <i>Ecosystems</i> , 2007, 10, 1220-1230.	1.6	156
12	Science on the Rise in Developing Countries. <i>PLoS Biology</i> , 2004, 2, e1.	2.6	143
13	Non-linear effects of drought under shade: reconciling physiological and ecological models in plant communities. <i>Oecologia</i> , 2012, 169, 293-305.	0.9	139
14	When can positive interactions cause alternative stable states in ecosystems?. <i>Functional Ecology</i> , 2016, 30, 88-97.	1.7	139
15	Are drought and wildfires turning Mediterranean cork oak forests into persistent shrublands?. <i>Agroforestry Systems</i> , 2009, 76, 389-400.	0.9	137
16	Synergy between small- and large-scale feedbacks of vegetation on the water cycle. <i>Global Change Biology</i> , 2005, 11, 1003-1012.	4.2	118
17	Combined effects of shade and drought on tulip poplar seedlings: trade-off in tolerance or facilitation?. <i>Oikos</i> , 2000, 90, 67-78.	1.2	117
18	Effects of interannual climate variability on tropical tree cover. <i>Nature Climate Change</i> , 2013, 3, 755-758.	8.1	115

#	ARTICLE	IF	CITATIONS
19	Pulse-Driven Loss of Top-Down Control: The Critical-Rate Hypothesis. <i>Ecosystems</i> , 2008, 11, 226-237.	1.6	103
20	Exotic Herbivores as Drivers of Plant Invasion and Switch to Ecosystem Alternative States. <i>Biological Invasions</i> , 2002, 4, 25-33.	1.2	96
21	Floodplains as an Achilles' heel of Amazonian forest resilience. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 4442-4446.	3.3	96
22	Herbivory and plant growth rate determine the success of El Niño Southern Oscillation-driven tree establishment in semiarid South America. <i>Global Change Biology</i> , 2006, 12, 2263-2271.	4.2	87
23	Tipping points in tropical tree cover: linking theory to data. <i>Global Change Biology</i> , 2014, 20, 1016-1021.	4.2	80
24	Why have European herbs so successfully invaded the Chilean matorral? Effects of herbivory, soil nutrients, and fire. <i>Journal of Arid Environments</i> , 2000, 44, 197-211.	1.2	76
25	Persistent versus transient tree encroachment of temperate peat bogs: effects of climate warming and drought events. <i>Global Change Biology</i> , 2013, 19, 2240-2250.	4.2	70
26	The future of coffee and cocoa agroforestry in a warmer Mesoamerica. <i>Scientific Reports</i> , 2019, 9, 8828.	1.6	65
27	Positive shrub-tree interactions facilitate woody encroachment in boreal peatlands. <i>Journal of Ecology</i> , 2015, 103, 58-66.	1.9	63
28	Title is missing!. <i>Plant Ecology</i> , 2000, 147, 49-57.	0.7	59
29	Biased-corrected richness estimates for the Amazonian tree flora. <i>Scientific Reports</i> , 2020, 10, 10130.	1.6	53
30	Plant Functional Traits and the Distribution of West African Rain Forest Trees along the Rainfall Gradient. <i>Biotropica</i> , 2011, 43, 552-561.	0.8	52
31	Shrub facilitation increases plant diversity along an arid scrubland-temperate rain forest boundary in South America. <i>Journal of Vegetation Science</i> , 2012, 23, 541-551.	1.1	51
32	Drivers of extinction risk in African mammals: the interplay of distribution state, human pressure, conservation response and species biology. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20130198.	1.8	49
33	Tree establishment along an ENSO experimental gradient in the Atacama desert. <i>Journal of Vegetation Science</i> , 2007, 18, 195-202.	1.1	48
34	Remotely sensed canopy height reveals three pantropical ecosystem states. <i>Ecology</i> , 2016, 97, 2518-2521.	1.5	47
35	Background invertebrate herbivory on dwarf birch (<i>Betula glandulosa-nana</i> complex) increases with temperature and precipitation across the tundra biome. <i>Polar Biology</i> , 2017, 40, 2265-2278.	0.5	47
36	Why trees and shrubs but rarely trubs?. <i>Trends in Ecology and Evolution</i> , 2014, 29, 433-434.	4.2	46

#	ARTICLE	IF	CITATIONS
37	Repeated fires trap Amazonian blackwater floodplains in an open vegetation state. <i>Journal of Applied Ecology</i> , 2016, 53, 1597-1603.	1.9	44
38	Rapid root extension during water pulses enhances establishment of shrub seedlings in the Atacama Desert. <i>Journal of Vegetation Science</i> , 2011, 22, 120-129.	1.1	43
39	Local Facilitation May Cause Tipping Points on a Landscape Level Preceded by Early-Warning Indicators. <i>American Naturalist</i> , 2015, 186, E81-E90.	1.0	43
40	Resilience of tropical tree cover: The roles of climate, fire, and herbivory. <i>Global Change Biology</i> , 2018, 24, 5096-5109.	4.2	43
41	Soil erosion as a resilience drain in disturbed tropical forests. <i>Plant and Soil</i> , 2020, 450, 11-25.	1.8	43
42	The significance of fire intensity in creating local patchiness in the Chilean matorral. <i>Plant Ecology</i> , 1998, 139, 259-264.	0.7	42
43	Fire forbids fifty-fifty forest. <i>PLoS ONE</i> , 2018, 13, e0191027.	1.1	42
44	Pathways for resilience in Mediterranean cork oak land use systems. <i>Annals of Forest Science</i> , 2014, 71, 5-13.	0.8	40
45	Critical transitions in Chinese dunes during the past 12,000 years. <i>Science Advances</i> , 2020, 6, eaay8020.	4.7	38
46	Persistent Acacia savannas replace Mediterranean sclerophyllous forests in South America. <i>Forest Ecology and Management</i> , 2011, 262, 1100-1108.	1.4	36
47	Rainfall-tuned Management Facilitates Dry Forest Recovery. <i>Restoration Ecology</i> , 2012, 20, 33-42.	1.4	36
48	Can we infer plant facilitation from remote sensing? a test across global drylands. <i>Ecological Applications</i> , 2015, 25, 1456-1462.	1.8	35
49	Why are forests so scarce in subtropical South America? The shaping roles of climate, fire and livestock. <i>Forest Ecology and Management</i> , 2016, 363, 212-217.	1.4	35
50	Oak Persistence in Mediterranean Landscapes: The Combined Role of Management, Topography, and Wildfires. <i>Ecology and Society</i> , 2010, 15, .	1.0	32
51	Does a ruderal strategy dominate the endemic flora of the West African forests?. <i>Journal of Biogeography</i> , 2007, 34, 1100-1111.	1.4	30
52	Rare, Intense, Big fires dominate the global tropics under drier conditions. <i>Scientific Reports</i> , 2017, 7, 14374.	1.6	30
53	Rarity of monodominance in hyperdiverse Amazonian forests. <i>Scientific Reports</i> , 2019, 9, 13822.	1.6	28
54	White-Sand Savannas Expand at the Core of the Amazon After Forest Wildfires. <i>Ecosystems</i> , 2021, 24, 1624-1637.	1.6	27

#	ARTICLE	IF	CITATIONS
55	Testing the stress gradient hypothesis in herbivore communities: facilitation peaks at intermediate nutrient levels. <i>Ecology</i> , 2013, 94, 1776-1784.	1.5	26
56	Nucleated regeneration of semiarid sclerophyllous forests close to remnant vegetation. <i>Forest Ecology and Management</i> , 2012, 274, 38-47.	1.4	23
57	How Does Tree Density Affect Water Loss of Peatlands? A Mesocosm Experiment. <i>PLoS ONE</i> , 2014, 9, e91748.	1.1	23
58	Trees improve forage quality and abundance in South American subtropical grasslands. <i>Agriculture, Ecosystems and Environment</i> , 2016, 232, 227-231.	2.5	22
59	Effects of plant-soil feedback on tree seedling growth under arid conditions. <i>Journal of Plant Ecology</i> , 2011, 4, 193-200.	1.2	19
60	Seabird Nutrient Subsidies Benefit Non-Nitrogen Fixing Trees and Alter Species Composition in South American Coastal Dry Forests. <i>PLoS ONE</i> , 2014, 9, e86381.	1.1	18
61	Do plant traits explain tree seedling survival in bogs?. <i>Functional Ecology</i> , 2014, 28, 283-290.	1.7	17
62	Livestock Herbivory Shapes Fire Regimes and Vegetation Structure Across the Global Tropics. <i>Ecosystems</i> , 2019, 22, 1457-1465.	1.6	17
63	A global climate niche for giant trees. <i>Global Change Biology</i> , 2018, 24, 2875-2883.	4.2	15
64	A Changing Number of Alternative States in the Boreal Biome: Reproducibility Risks of Replacing Remote Sensing Products. <i>PLoS ONE</i> , 2015, 10, e0143014.	1.1	13
65	Shrubs and Degraded Permafrost Pave the Way for Tree Establishment in Subarctic Peatlands. <i>Ecosystems</i> , 2021, 24, 370-383.	1.6	13
66	Why forest fails to recover after repeated wildfires in Amazonian floodplains? Experimental evidence on tree recruitment limitation. <i>Journal of Ecology</i> , 2021, 109, 3473-3486.	1.9	13
67	Reduced herbivory during simulated ENSO rainy events increases native herbaceous plants in semiarid Chile. <i>Plant Ecology</i> , 2007, 191, 21-31.	0.7	12
68	Stress-Driven Changes in the Strength of Facilitation on Tree Seedling Establishment in West African Woodlands. <i>Biotropica</i> , 2011, 43, 23-30.	0.8	12
69	What Is Gender Equality in Science?. <i>Trends in Ecology and Evolution</i> , 2019, 34, 395-399.	4.2	12
70	Response to Comment on "Global Resilience of Tropical Forest and Savanna to Critical Transitions". <i>Science</i> , 2012, 336, 541-541.	6.0	11
71	Priority questions for biodiversity conservation in the Mediterranean biome: Heterogeneous perspectives across continents and stakeholders. <i>Conservation Science and Practice</i> , 2019, 1, e118.	0.9	11
72	Resource use of specialist butterflies in agricultural landscapes: conservation lessons from the butterfly <i>Phengaris (Maculinea) nausithous</i> . <i>Journal of Insect Conservation</i> , 2012, 16, 921-930.	0.8	10

#	ARTICLE	IF	CITATIONS
73	Topography and vegetation structure mediate drought impacts on the understory of the South American Atlantic Forest. <i>Science of the Total Environment</i> , 2021, 766, 144234.	3.9	9
74	From Scientific Speculation to Effective Adaptive Management: A case study of the role of social marketing in promoting novel restoration strategies for degraded dry lands. <i>Ecology and Society</i> , 2010, 15, .	1.0	8
75	Temperate forest and open landscapes are distinct alternative states as reflected in canopy height and tree cover. <i>Trends in Ecology and Evolution</i> , 2015, 30, 501-502.	4.2	8
76	Assessing effect of rainfall on rate of alien shrub expansion in a southern African savanna. <i>African Journal of Range and Forage Science</i> , 2017, 34, 39-44.	0.6	8
77	To Tree or Not to Tree: Cultural Views from Ancient Romans to Modern Ecologists. <i>Ecosystems</i> , 2017, 20, 62-68.	1.6	7
78	Forests expand as livestock pressure declines in subtropical South America. <i>Ecology and Society</i> , 2019, 24, .	1.0	7
79	The mystery of missing trubs revisited: a response to McClone et al. and Qian and Ricklefs. <i>Trends in Ecology and Evolution</i> , 2015, 30, 7-8.	4.2	6
80	Greening vs browning? Surface water cover mediates how tundra and boreal ecosystems respond to climate warming. <i>Environmental Research Letters</i> , 2021, 16, 104004.	2.2	6
81	Species interactions across trophic levels mediate rainfall effects on dryland vegetation dynamics. <i>Ecological Monographs</i> , 2021, 91, e01441.	2.4	5
82	Cats singing in the dark? Spawning aggregations of sound-producing fish in Amazonian floodplain forests. <i>Environmental Biology of Fishes</i> , 2020, 103, 1265-1267.	0.4	4
83	THE INTERPLAY OF FACILITATION AND COMPETITION IN PLANT COMMUNITIES. , 1997, 78, 1966.		3
84	Remotely sensed canopy height reveals three pantropical ecosystem states: reply. <i>Ecology</i> , 2018, 99, 235-237.	1.5	2
85	Reply to SchÄngart et al.: Forest resilience variation across Amazonian floodplains. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E8552-E8554.	3.3	0