

Erica A H Smithwick

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8855008/publications.pdf>

Version: 2024-02-01

53
papers

2,906
citations

257357

24
h-index

206029

48
g-index

79
all docs

79
docs citations

79
times ranked

3904
citing authors

#	ARTICLE	IF	CITATIONS
1	Continued warming could transform Greater Yellowstone fire regimes by mid-21st century. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 13165-13170.	3.3	536
2	Predicting fine root lifespan from plant functional traits in temperate trees. New Phytologist, 2012, 195, 823-831.	3.5	350
3	POTENTIAL UPPER BOUNDS OF CARBON STORES IN FORESTS OF THE PACIFIC NORTHWEST. , 2002, 12, 1303-1317.		209
4	Postfire Soil N Cycling in Northern Conifer Forests Affected by Severe, Stand-Replacing Wildfires. Ecosystems, 2005, 8, 163-181.	1.6	165
5	Variability in root production, phenology, and turnover rate among 12 temperate tree species. Ecology, 2014, 95, 2224-2235.	1.5	136
6	Inorganic nitrogen availability after severe stand-replacing fire in the Greater Yellowstone ecosystem. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 4782-4789.	3.3	134
7	Robust paths to net greenhouse gas mitigation and negative emissions via advanced biofuels. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 21968-21977.	3.3	110
8	Improving the representation of roots in terrestrial models. Ecological Modelling, 2014, 291, 193-204.	1.2	101
9	Landscape heterogeneity following large fires: insights from Yellowstone National Park, USA. International Journal of Wildland Fire, 2008, 17, 742.	1.0	83
10	Representing climate, disturbance, and vegetation interactions in landscape models. Ecological Modelling, 2015, 309-310, 33-47.	1.2	83
11	Variation in NH ₄ ⁺ mineralization and microbial communities with stand age in lodgepole pine (Pinus Tj ETQq1 1 0.784314 rgBT /Overlo	4.2	82
12	Reconstructing Disturbances and Their Biogeochemical Consequences over Multiple Timescales. BioScience, 2014, 64, 105-116.	2.2	80
13	Root stress and nitrogen deposition: consequences and research priorities. New Phytologist, 2013, 197, 712-719.	3.5	65
14	Regional scale patterns of fine root lifespan and turnover under current and future climate. Global Change Biology, 2013, 19, 1697-1708.	4.2	57
15	Growth and survival relationships of 71 tree species with nitrogen and sulfur deposition across the conterminous U.S.. PLoS ONE, 2018, 13, e0205296.	1.1	54
16	Long-Term Nitrogen Storage and Soil Nitrogen Availability in Post-Fire Lodgepole Pine Ecosystems. Ecosystems, 2009, 12, 792-806.	1.6	48
17	Deer feeding selectivity for invasive plants. Biological Invasions, 2016, 18, 1247-1263.	1.2	47
18	Spatial Heterogeneity and Soil Nitrogen Dynamics in a Burned Black Spruce Forest Stand: Distinct Controls at Different Scales. Biogeochemistry, 2005, 76, 517-537.	1.7	46

#	ARTICLE	IF	CITATIONS
19	A regional assessment of white-tailed deer effects on plant invasion. <i>AoB PLANTS</i> , 2018, 10, plx047.	1.2	42
20	Changing Temporal Patterns of Forest Carbon Stores and Net Ecosystem Carbon Balance: the Stand to Landscape Transformation. <i>Landscape Ecology</i> , 2007, 22, 77-94.	1.9	41
21	Sensitivity of four ecological models to adjustments in fine root turnover rate. <i>Ecological Modelling</i> , 2015, 297, 107-117.	1.2	38
22	Modeling multiscale effects of light limitations and edge-induced mortality on carbon stores in forest landscapes. <i>Landscape Ecology</i> , 2003, 18, 701-721.	1.9	29
23	Conceptual Links between Landscape Diversity and Diet Diversity: A Roadmap for Transdisciplinary Research. <i>BioScience</i> , 2020, 70, 563-575.	2.2	28
24	Buruli Ulcer Disease and Its Association with Land Cover in Southwestern Ghana. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003840.	1.3	27
25	Post-Fire Spatial Patterns of Soil Nitrogen Mineralization and Microbial Abundance. <i>PLoS ONE</i> , 2012, 7, e50597.	1.1	27
26	Variation in Aboveground Cover Influences Soil Nitrogen Availability at Fine Spatial Scales Following Severe Fire in Subalpine Conifer Forests. <i>Ecosystems</i> , 2011, 14, 1081-1095.	1.6	25
27	What the soil reveals: Potential total ecosystem C stores of the Pacific Northwest region, USA. <i>Forest Ecology and Management</i> , 2005, 220, 270-283.	1.4	24
28	Variation in foliar nitrogen and aboveground net primary production in young postfire lodgepole pine. <i>Canadian Journal of Forest Research</i> , 2009, 39, 1024-1035.	0.8	24
29	Forest pattern, not just amount, influences dietary quality in five African countries. <i>Global Food Security</i> , 2020, 25, 100331.	4.0	22
30	Exploring invasibility with species distribution modeling: How does fire promote cheatgrass (<i>Bromus tectorum</i>) invasion within lower montane forests?. <i>Diversity and Distributions</i> , 2018, 24, 1308-1320.	1.9	20
31	Influence of coarse wood and pine saplings on nitrogen mineralization and microbial communities in young post-fire <i>Pinus contorta</i> . <i>Forest Ecology and Management</i> , 2008, 256, 59-67.	1.4	18
32	Situated knowledge of pathogenic landscapes in Ghana: Understanding the emergence of Buruli ulcer through qualitative analysis. <i>Social Science and Medicine</i> , 2016, 150, 160-171.	1.8	17
33	Estimating Root Zone Soil Moisture Across the Eastern United States with Passive Microwave Satellite Data and a Simple Hydrologic Model. <i>Remote Sensing</i> , 2019, 11, 2013.	1.8	15
34	Contours of Risk: Spatializing Human Behaviors to Understand Disease Dynamics in Changing Landscapes. <i>EcoHealth</i> , 2012, 9, 251-255.	0.9	14
35	Seed source pattern and terrain have scale-dependent effects on post-fire tree recovery. <i>Landscape Ecology</i> , 2020, 35, 1945-1959.	1.9	14
36	Exploring Interactions Among Multiple Disturbance Agents in Forest Landscapes: Simulating Effects of Fire, Beetles, and Disease Under Climate Change. , 2015, , 201-231.		13

#	ARTICLE	IF	CITATIONS
37	Complex interactions among successional trajectories and climate govern spatial resilience after severe windstorms in central Wisconsin, USA. <i>Landscape Ecology</i> , 2019, 34, 2897-2915.	1.9	12
38	Landscape Fragmentation as a Risk Factor for Buruli Ulcer Disease in Ghana. <i>American Journal of Tropical Medicine and Hygiene</i> , 2016, 95, 63-69.	0.6	11
39	Carbon stocks and biodiversity of coastal lowland forests in South Africa: implications for aligning sustainable development and carbon mitigation initiatives. <i>Carbon Management</i> , 2019, 10, 349-360.	1.2	10
40	The Wetland Disturbance Index: Links with Soil and Water Nitrate Concentrations. <i>Wetlands</i> , 2011, 31, 853-863.	0.7	8
41	A decade of colonization: the spread of the Asian tiger mosquito in Pennsylvania and implications for disease risk. <i>Journal of Vector Ecology</i> , 2017, 42, 3-12.	0.5	6
42	Landscape-Scale Forest Reorganization Following Insect Invasion and Harvest Under Future Climate Change Scenarios. <i>Ecosystems</i> , 2021, 24, 1756-1774.	1.6	6
43	Pyrogeography and Biogeochemical Resilience. <i>Ecological Studies</i> , 2011, , 143-163.	0.4	6
44	Role of microbial communities in mediating ecosystem response to disturbance. <i>Plant and Soil</i> , 2006, 289, 1-3.	1.8	5
45	Chemistry of natural waters and its relation to Buruli ulcer in Ghana. <i>Journal of Hydrology: Regional Studies</i> , 2015, 3, 457-472.	1.0	4
46	Interactive Videos Enhance Learning about Socio-Ecological Systems. <i>Journal of Geography</i> , 2018, 117, 40-49.	1.8	3
47	Fine-scale spatial homogenization of microbial habitats: a multivariate index of headwater wetland complex condition. <i>Ecological Applications</i> , 2019, 29, e01816.	1.8	2
48	Interactions between landscape and local factors inform spatial action planning in post-fire forest environments. <i>Landscape Ecology</i> , 2021, 36, 3523-3537.	1.9	2
49	Influence of protected areas on malaria prevalence in Sub-Saharan Africa. <i>Applied Geography</i> , 2015, 64, 35-45.	1.7	1
50	The landscape-scale drivers of herbivore assemblage distribution on the central basalt plains of Kruger National Park. <i>Journal of Tropical Ecology</i> , 2020, 36, 13-28.	0.5	1
51	Patch-scale selection patterns of grazing herbivores in the central basalt plains of Kruger National Park. <i>African Journal of Range and Forage Science</i> , 2020, 37, 199-213.	0.6	1
52	Organized Oral Session 34. Disturbance Ecology, Biogeochemistry and Resilience: Three Decades of Inquiry. <i>Bulletin of the Ecological Society of America</i> , 2010, 91, 80-93.	0.2	0
53	Hunter and Non-Hunter Perceptions of Costs, Benefits, and Likelihood of Outcomes of Prescribed Fire in the Mid-Atlantic Region. <i>Society and Natural Resources</i> , 2020, 33, 1321-1327.	0.9	0