

# Ann E Russell

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

2,130  
citations

394286

19  
h-index

434063

31  
g-index

33  
all docs

33  
docs citations

33  
times ranked

2780  
citing authors

#	ARTICLE	IF	CITATIONS
1	TEMPERATURE INFLUENCES CARBON ACCUMULATION IN MOIST TROPICAL FORESTS. <i>Ecology</i> , 2006, 87, 76-87.	1.5	258
2	PRIMARY PRODUCTIVITY AND ECOSYSTEM DEVELOPMENT ALONG AN ELEVATIONAL GRADIENT ON MAUNA LOA, HAWAII. <i>Ecology</i> , 1997, 78, 707-721.	1.5	226
3	Impact of spatial variability of tropical forest structure on radar estimation of aboveground biomass. <i>Remote Sensing of Environment</i> , 2011, 115, 2836-2849.	4.6	191
4	Impact of Nitrogen Fertilization and Cropping System on Carbon Sequestration in Midwestern Mollisols. <i>Soil Science Society of America Journal</i> , 2005, 69, 413-422.	1.2	183
5	Nitrogen fertilizer effects on soil carbon balances in Midwestern U.S. agricultural systems. <i>Ecological Applications</i> , 2009, 19, 1102-1113.	1.8	148
6	The ecology of the climbing fern <i>Dicranopteris linearis</i> on windward Mauna Loa, Hawaii. <i>Journal of Ecology</i> , 1998, 86, 765-779.	1.9	135
7	Both nitrogen and phosphorus limit plant production on young Hawaiian lava flows. <i>Biogeochemistry</i> , 1996, 32, 1.	1.7	115
8	Tree Species Effects on Soil Properties in Experimental Plantations in Tropical Moist Forest. <i>Soil Science Society of America Journal</i> , 2007, 71, 1389-1397.	1.2	102
9	SPECIES, ROTATION, AND LIFE-FORM DIVERSITY EFFECTS ON SOIL CARBON IN EXPERIMENTAL TROPICAL ECOSYSTEMS. , 2004, 14, 47-60.		92
10	Compost mineralization in soil as a function of composting process conditions. <i>European Journal of Soil Biology</i> , 2003, 39, 117-127.	1.4	88
11	Nitrogen Fertilization and Cropping System Impacts on Soil Quality in Midwestern Mollisols. <i>Soil Science Society of America Journal</i> , 2006, 70, 249-255.	1.2	88
12	Fine-root mass, growth and nitrogen content for six tropical tree species. <i>Plant and Soil</i> , 2007, 290, 357-370.	1.8	79
13	Decomposition and potential nitrogen fixation in <i>Dicranopteris linearis</i> litter on Mauna Loa, Hawaii. <i>Journal of Tropical Ecology</i> , 1997, 13, 579-594.	0.5	74
14	Impacts of individual tree species on carbon dynamics in a moist tropical forest environment. <i>Ecological Applications</i> , 2010, 20, 1087-1100.	1.8	43
15	Rapidly growing tropical trees mobilize remarkable amounts of nitrogen, in ways that differ surprisingly among species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 10398-10402.	3.3	37
16	Lignin and enhanced litter turnover in tree plantations of lowland Costa Rica. <i>Forest Ecology and Management</i> , 2007, 239, 128-135.	1.4	33
17	Sorption of organic carbon compounds to the fine fraction of surface and subsurface soils. <i>Geoderma</i> , 2014, 213, 79-86.	2.3	31
18	Do corn-soybean rotations enhance decomposition of soil organic matter?. <i>Plant and Soil</i> , 2019, 444, 427-442.	1.8	31

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19	Fine root decay rates vary widely among lowland tropical tree species. <i>Oecologia</i> , 2009, 161, 325-330.	0.9	28
20	Patterns of Clonal Diversity in <i>Dicranopteris linearis</i> on Mauna Loa, Hawaii. <i>Biotropica</i> , 1999, 31, 449-459.	0.8	25
21	Analysis of factors regulating ecosystem development on Mauna Loa using the Century model. <i>Biogeochemistry</i> , 2000, 51, 161-191.	1.7	19
22	Tropical tree species traits drive soil cation dynamics via effects on pH: a proposed conceptual framework. <i>Ecological Monographs</i> , 2017, 87, 685-701.	2.4	18
23	Relationships between crop-species diversity and soil characteristics in southwest Indian agroecosystems. <i>Agriculture, Ecosystems and Environment</i> , 2002, 92, 235-249.	2.5	16
24	Unexpected Effects of Chitin, Cellulose, and Lignin Addition on Soil Dynamics in a Wet Tropical Forest. <i>Ecosystems</i> , 2014, 17, 918-930.	1.6	14
25	Tropical Tree Species Effects on Soil pH and Biotic Factors and the Consequences for Macroaggregate Dynamics. <i>Forests</i> , 2018, 9, 184.	0.9	13
26	Native tree species regulate nitrous oxide fluxes in tropical plantations. , 2014, 24, 750-758.		9
27	Primary Productivity and Ecosystem Development Along an Elevational Gradient on Mauna Loa, Hawai'i. <i>Ecology</i> , 1997, 78, 707.	1.5	7
28	Modeling the Effects of Global Change on Ecosystem Processes in a Tropical Rainforest. <i>Forests</i> , 2020, 11, 213.	0.9	7
29	Modeling Experiments for Evaluating the Effects of Trees, Increasing Temperature, and Soil Texture on Carbon Stocks in Agroforestry Systems in Kerala, India. <i>Forests</i> , 2019, 10, 803.	0.9	6
30	“Drawing” your Own Conclusions: Sketchnoting as a Pedagogical Tool for Teaching Ecology. <i>Innovative Higher Education</i> , 2021, 46, 303-319.	1.5	6
31	Integrating tropical research into biology education is urgently needed. <i>PLoS Biology</i> , 2022, 20, e3001674.	2.6	3
32	Tree Species of Wet Tropical Forests Differ in Their Tissue Biochemistry and Effects on Soil Carbon Dynamics. <i>Frontiers in Forests and Global Change</i> , 2021, 4, .	1.0	2