

Erika Marin-Spiotta

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

7,235
citations

109321

35
h-index

144013

57
g-index

66
all docs

66
docs citations

66
times ranked

10564
citing authors

#	ARTICLE	IF	CITATIONS
1	Soil organic carbon storage as a key function of soils - A review of drivers and indicators at various scales. <i>Geoderma</i> , 2019, 333, 149-162.	5.1	944
2	Biomass resilience of Neotropical secondary forests. <i>Nature</i> , 2016, 530, 211-214.	27.8	763
3	Crop rotational diversity enhances belowground communities and functions in an agroecosystem. <i>Ecology Letters</i> , 2015, 18, 761-771.	6.4	485
4	Ecological interpretations of nitrogen isotope ratios of terrestrial plants and soils. <i>Plant and Soil</i> , 2015, 396, 1-26.	3.7	424
5	Beyond clay: towards an improved set of variables for predicting soil organic matter content. <i>Biogeochemistry</i> , 2018, 137, 297-306.	3.5	423
6	Biodiversity recovery of Neotropical secondary forests. <i>Science Advances</i> , 2019, 5, eaau3114.	10.3	291
7	Paradigm shifts in soil organic matter research affect interpretations of aquatic carbon cycling: transcending disciplinary and ecosystem boundaries. <i>Biogeochemistry</i> , 2014, 117, 279-297.	3.5	196
8	The database of the <sc>PREDICTS</sc> (Projecting Responses of Ecological Diversity In Changing Tj ETQq0 0 0 rgBT /Overlock 10 T	1.9	186
9	Soil organic matter dynamics during 80 years of reforestation of tropical pastures. <i>Global Change Biology</i> , 2009, 15, 1584-1597.	9.5	185
10	Microbial community structure varies across soil organic matter aggregate pools during tropical land cover change. <i>Soil Biology and Biochemistry</i> , 2014, 77, 292-303.	8.8	185
11	Role of Soil Erosion in Biogeochemical Cycling of Essential Elements: Carbon, Nitrogen, and Phosphorus. <i>Annual Review of Earth and Planetary Sciences</i> , 2018, 46, 521-548.	11.0	184
12	The rise of novelty in ecosystems. <i>Ecological Applications</i> , 2015, 25, 2051-2068.	3.8	179
13	The <sc>PREDICTS</sc> database: a global database of how local terrestrial biodiversity responds to human impacts. <i>Ecology and Evolution</i> , 2014, 4, 4701-4735.	1.9	178
14	Multidimensional tropical forest recovery. <i>Science</i> , 2021, 374, 1370-1376.	12.6	165
15	Successional and seasonal variations in soil and litter microbial community structure and function during tropical postagricultural forest regeneration: a multiyear study. <i>Global Change Biology</i> , 2015, 21, 3532-3547.	9.5	156
16	Land management: data availability and process understanding for global change studies. <i>Global Change Biology</i> , 2017, 23, 512-533.	9.5	142
17	Soil burial contributes to deep soil organic carbon storage. <i>Soil Biology and Biochemistry</i> , 2014, 69, 251-264.	8.8	141
18	Tropical reforestation and climate change: beyond carbon. <i>Restoration Ecology</i> , 2015, 23, 337-343.	2.9	127

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19	Convergence of soil nitrogen isotopes across global climate gradients. <i>Scientific Reports</i> , 2015, 5, 8280.	3.3	127
20	Carbon storage in successional and plantation forest soils: a tropical analysis. <i>Global Ecology and Biogeography</i> , 2013, 22, 105-117.	5.8	123
21	Wet and dry tropical forests show opposite successional pathways in wood density but converge over time. <i>Nature Ecology and Evolution</i> , 2019, 3, 928-934.	7.8	120
22	Litterfall and Decomposition in Relation to Soil Carbon Pools Along a Secondary Forest Chronosequence in Puerto Rico. <i>Ecosystems</i> , 2008, 11, 701-714.	3.4	119
23	Legume abundance along successional and rainfall gradients in Neotropical forests. <i>Nature Ecology and Evolution</i> , 2018, 2, 1104-1111.	7.8	107
24	Chemical and mineral control of soil carbon turnover in abandoned tropical pastures. <i>Geoderma</i> , 2008, 143, 49-62.	5.1	105
25	Improving understanding of soil organic matter dynamics by triangulating theories, measurements, and models. <i>Biogeochemistry</i> , 2018, 140, 1-13.	3.5	83
26	Hostile climates are barriers to diversifying the geosciences. <i>Advances in Geosciences</i> , 0, 53, 117-127.	12.0	83
27	Long-term stabilization of deep soil carbon by fire and burial during early Holocene climate change. <i>Nature Geoscience</i> , 2014, 7, 428-432.	12.9	81
28	Ecosystem Processes and Biogeochemical Cycles in Secondary Tropical Forest Succession. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2017, 48, 497-519.	8.3	78
29	Beyond bulk: Density fractions explain heterogeneity in global soil carbon abundance and persistence. <i>Global Change Biology</i> , 2022, 28, 1178-1196.	9.5	67
30	Scientists from historically excluded groups face a hostile obstacle course. <i>Nature Geoscience</i> , 2022, 15, 2-4.	12.9	64
31	Hydrologic Connectivity in the High-Elevation Tropics: Heterogeneous Responses to Land Change. <i>BioScience</i> , 2014, 64, 92-104.	4.9	62
32	Carbon delivery to deep mineral horizons in Hawaiian rain forest soils. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	59
33	An actionable anti-racism plan for geoscience organizations. <i>Nature Communications</i> , 2021, 12, 3794.	12.8	55
34	Impacts of climate variability on tree demography in second growth tropical forests: the importance of regional context for predicting successional trajectories. <i>Biotropica</i> , 2016, 48, 780-797.	1.6	50
35	An open-source database for the synthesis of soil radiocarbon data: International Soil Radiocarbon Database (ISRaD) version 1.0. <i>Earth System Science Data</i> , 2020, 12, 61-76.	9.9	48
36	Soil type mediates effects of land use on soil carbon and nitrogen in the Konya Basin, Turkey. <i>Geoderma</i> , 2014, 232-234, 517-527.	5.1	47

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37	Trends in Above and Belowground Carbon with Forest Regrowth After Agricultural Abandonment in the Neotropics. , 2008, , 22-72.		34
38	Functional recovery of secondary tropical forests. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	34
39	Managing water services in tropical regions: From land cover proxies to hydrologic fluxes. Ambio, 2015, 44, 367-375.	5.5	32
40	Harassment should count as scientific misconduct. Nature, 2018, 557, 141-141.	27.8	29
41	Changing Academic Cultures to Respond to Hostile Climates. ACS Symposium Series, 2020, , 109-125.	0.5	27
42	Land use legacy effects on structure and composition of subtropical dry forests in St. Croix, U.S. Virgin Islands. Forest Ecology and Management, 2015, 335, 270-280.	3.2	26
43	Litter quantity, litter chemistry, and soil texture control changes in soil organic carbon fractions under bioenergy cropping systems of the North Central U.S.. Biogeochemistry, 2019, 143, 313-326.	3.5	23
44	The soil and plant biogeochemistry sampling design for The National Ecological Observatory Network. Ecosphere, 2016, 7, e01234.	2.2	21
45	Towards diverse representation and inclusion in soil science in the United States. Soil Science Society of America Journal, 2021, 85, 963-974.	2.2	19
46	Impact of hydrologically driven hillslope erosion and landslide occurrence on soil organic carbon dynamics in tropical watersheds. Water Resources Research, 2016, 52, 8895-8919.	4.2	18
47	Examining intersectionality and inclusivity in geosciences education research: A synthesis of the literature 2008â€“2018. Journal of Geoscience Education, 2019, 67, 505-517.	1.4	18
48	Clay and climate are poor predictors of regional-scale soil carbon storage in the US Caribbean. Geoderma, 2019, 354, 113841.	5.1	17
49	Soil microclimates influence annual carbon loss via heterotrophic soil respiration in maize and switchgrass bioenergy cropping systems. Agricultural and Forest Meteorology, 2019, 279, 107731.	4.8	16
50	Soil carbon management. Developments in Soil Science, 2019, 36, 215-257.	0.5	14
51	"Maybe this is just not the place for me:" Gender harassment and discrimination in the geosciences. PLoS ONE, 2022, 17, e0268562.	2.5	14
52	Conversion to bioenergy crops alters the amount and age of microbially-respired soil carbon. Soil Biology and Biochemistry, 2019, 128, 35-44.	8.8	11
53	Steps to Building a No-Tolerance Culture for Sexual Harassment. Eos, 2016, 97, .	0.1	11
54	Strong floristic distinctiveness across Neotropical successional forests. Science Advances, 2022, 8, .	10.3	10

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55	A meta-analysis of tropical land-use change effects on the soil microbiome: Emerging patterns and knowledge gaps. <i>Biotropica</i> , 2021, 53, 738-752.	1.6	9
56	Long term effects of intensive biomass harvesting and compaction on the forest soil ecosystem. <i>Soil Biology and Biochemistry</i> , 2019, 137, 1075-72.	8.8	6
57	Wet tropical soils and global change. <i>Developments in Soil Science</i> , 2019, 36, 131-169.	0.5	6
58	Distinguishing fact from value?. <i>Trends in Ecology and Evolution</i> , 1999, 14, 205-206.	8.7	2
59	Leveraging Field-Campaign Networks to Identify Sexual Harassment in Atmospheric Science and Pilot Promising Interventions. <i>Bulletin of the American Meteorological Society</i> , 2021, , 1-32.	3.3	1
60	Recovery of Ecosystem Processes: Carbon and Energy Flows in Restored Wetlands, Grasslands, and Forests. , 2016, , 365-394.		1
61	Organized Oral Session 44. Advances in Biochemical Methods for Studying Organic Matter Dynamics in an Ecological Context. <i>Bulletin of the Ecological Society of America</i> , 2010, 91, 94-99.	0.2	0