

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	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
2	Scientists from historically excluded groups face a hostile obstacle course. <i>Nature Geoscience</i> , 2022, 15, 2-4.	12.9	64
3	"Maybe this is just not the place for me:" Gender harassment and discrimination in the geosciences. <i>PLoS ONE</i> , 2022, 17, e0268562.	2.5	14
4	Strong floristic distinctiveness across Neotropical successional forests. <i>Science Advances</i> , 2022, 8, .	10.3	10
5	Towards diverse representation and inclusion in soil science in the United States. <i>Soil Science Society of America Journal</i> , 2021, 85, 963-974.	2.2	19
6	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
7	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
8	An actionable anti-racism plan for geoscience organizations. <i>Nature Communications</i> , 2021, 12, 3794.	12.8	55
9	Functional recovery of secondary tropical forests. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	34
10	Multidimensional tropical forest recovery. <i>Science</i> , 2021, 374, 1370-1376.	12.6	165
11	Changing Academic Cultures to Respond to Hostile Climates. <i>ACS Symposium Series</i> , 2020, , 109-125.	0.5	27
12	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
13	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
14	Clay and climate are poor predictors of regional-scale soil carbon storage in the US Caribbean. <i>Geoderma</i> , 2019, 354, 113841.	5.1	17
15	Long term effects of intensive biomass harvesting and compaction on the forest soil ecosystem. <i>Soil Biology and Biochemistry</i> , 2019, 137, 107572.	8.8	6
16	Soil microclimates influence annual carbon loss via heterotrophic soil respiration in maize and switchgrass bioenergy cropping systems. <i>Agricultural and Forest Meteorology</i> , 2019, 279, 107731.	4.8	16
17	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
18	Litter quantity, litter chemistry, and soil texture control changes in soil organic carbon fractions under bioenergy cropping systems of the North Central U.S.. <i>Biogeochemistry</i> , 2019, 143, 313-326.	3.5	23

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19	Biodiversity recovery of Neotropical secondary forests. <i>Science Advances</i> , 2019, 5, eaau3114.	10.3	291
20	Examining intersectionality and inclusivity in geosciences education research: A synthesis of the literature 2008–2018. <i>Journal of Geoscience Education</i> , 2019, 67, 505-517.	1.4	18
21	Wet tropical soils and global change. <i>Developments in Soil Science</i> , 2019, 36, 131-169.	0.5	6
22	Soil carbon management. <i>Developments in Soil Science</i> , 2019, 36, 215-257.	0.5	14
23	Conversion to bioenergy crops alters the amount and age of microbially-respired soil carbon. <i>Soil Biology and Biochemistry</i> , 2019, 128, 35-44.	8.8	11
24	Beyond clay: towards an improved set of variables for predicting soil organic matter content. <i>Biogeochemistry</i> , 2018, 137, 297-306.	3.5	423
25	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
26	Legume abundance along successional and rainfall gradients in Neotropical forests. <i>Nature Ecology and Evolution</i> , 2018, 2, 1104-1111.	7.8	107
27	Improving understanding of soil organic matter dynamics by triangulating theories, measurements, and models. <i>Biogeochemistry</i> , 2018, 140, 1-13.	3.5	83
28	Harassment should count as scientific misconduct. <i>Nature</i> , 2018, 557, 141-141.	27.8	29
29	The database of the <sc>PREDICTS</sc> (Projecting Responses of Ecological Diversity In Changing) Tj ETQq1 1 0,784314 rgBT /Overl 1,9 186	1.9	186
30	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
31	Land management: data availability and process understanding for global change studies. <i>Global Change Biology</i> , 2017, 23, 512-533.	9.5	142
32	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
33	Impact of hydrologically driven hillslope erosion and landslide occurrence on soil organic carbon dynamics in tropical watersheds. <i>Water Resources Research</i> , 2016, 52, 8895-8919.	4.2	18
34	The soil and plant biogeochemistry sampling design for The National Ecological Observatory Network. <i>Ecosphere</i> , 2016, 7, e01234.	2.2	21
35	Biomass resilience of Neotropical secondary forests. <i>Nature</i> , 2016, 530, 211-214.	27.8	763
36	Steps to Building a No-Tolerance Culture for Sexual Harassment. <i>Eos</i> , 2016, 97, .	0.1	11

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37	Recovery of Ecosystem Processes: Carbon and Energy Flows in Restored Wetlands, Grasslands, and Forests. , 2016, , 365-394.		1
38	The rise of novelty in ecosystems. <i>Ecological Applications</i> , 2015, 25, 2051-2068.	3.8	179
39	Tropical reforestation and climate change: beyond carbon. <i>Restoration Ecology</i> , 2015, 23, 337-343.	2.9	127
40	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
41	Crop rotational diversity enhances belowground communities and functions in an agroecosystem. <i>Ecology Letters</i> , 2015, 18, 761-771.	6.4	485
42	Convergence of soil nitrogen isotopes across global climate gradients. <i>Scientific Reports</i> , 2015, 5, 8280.	3.3	127
43	Ecological interpretations of nitrogen isotope ratios of terrestrial plants and soils. <i>Plant and Soil</i> , 2015, 396, 1-26.	3.7	424
44	Managing water services in tropical regions: From land cover proxies to hydrologic fluxes. <i>Ambio</i> , 2015, 44, 367-375.	5.5	32
45	Land use legacy effects on structure and composition of subtropical dry forests in St. Croix, U.S. Virgin Islands. <i>Forest Ecology and Management</i> , 2015, 335, 270-280.	3.2	26
46	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
47	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
48	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
49	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
50	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
51	Hydrologic Connectivity in the High-Elevation Tropics: Heterogeneous Responses to Land Change. <i>BioScience</i> , 2014, 64, 92-104.	4.9	62
52	Soil burial contributes to deep soil organic carbon storage. <i>Soil Biology and Biochemistry</i> , 2014, 69, 251-264.	8.8	141
53	Carbon storage in successional and plantation forest soils: a tropical analysis. <i>Global Ecology and Biogeography</i> , 2013, 22, 105-117.	5.8	123
54	Carbon delivery to deep mineral horizons in Hawaiian rain forest soils. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	59

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55	Organized Oral Session 44. Advances in Biochemical Methods for Studying Organic Matter Dynamics in an Ecological Context. Bulletin of the Ecological Society of America, 2010, 91, 94-99.	0.2	0
56	Soil organic matter dynamics during 80 years of reforestation of tropical pastures. Global Change Biology, 2009, 15, 1584-1597.	9.5	185
57	Litterfall and Decomposition in Relation to Soil Carbon Pools Along a Secondary Forest Chronosequence in Puerto Rico. Ecosystems, 2008, 11, 701-714.	3.4	119
58	Chemical and mineral control of soil carbon turnover in abandoned tropical pastures. Geoderma, 2008, 143, 49-62.	5.1	105
59	Trends in Above and Belowground Carbon with Forest Regrowth After Agricultural Abandonment in the Neotropics. , 2008, , 22-72.		34
60	Distinguishing fact from value?. Trends in Ecology and Evolution, 1999, 14, 205-206.	8.7	2
61	Hostile climates are barriers to diversifying the geosciences. Advances in Geosciences, 0, 53, 117-127.	12.0	83