Steven J Fonte

List of Publications by Year in Descending Order

87 papers	2,499 citations	28 h-index	48 g-index
95 ext. papers	3,205 ext. citations	5.3 avg, IF	5.04 L-index

#	Paper	IF	Citations
87	Grass–legume Mixtures Show Potential to Increase Above- and Belowground Biomass Production for Andean Forage-Based Fallows. *Agronomy*, **2022**, 12, 142	3.6	1
86	Divergent belowground carbon allocation patterns of winter wheat shape rhizosphere microbial communities and nitrogen cycling activities. *Soil Biology and Biochemistry*, **2022**, 165, 108518	7.5	1
85	Ecological maturity and stability of nematode communities in response to precipitation manipulations in grasslands. *Applied Soil Ecology*, **2022**, 170, 104263	5	0
84	Land use conversion to agriculture impacts biodiversity, erosion control, and key soil properties in an Andean watershed. *Ecosphere*, **2022**, 13,	3.1	1
83	Linking soil microbial community structure to potential carbon mineralization: A continental scale assessment of reduced tillage. *Soil Biology and Biochemistry*, **2022**, 168, 108618	7.5	1
82	Do morphological traits of ground-dwelling ants respond to land use changes in a neotropical landscape?. *Geoderma*, **2022**, 418, 115841	6.7	0
81	An evaluation of carbon indicators of soil health in long-term agricultural experiments. *Soil Biology and Biochemistry*, **2022**, 108708	7.5	3
80	Compost inputs, cropping system, and rotation phase drive aggregate-associated carbon. *Soil Science Society of America Journal*, **2021**, 85, 829-846	2.5	1
79	Global data on earthworm abundance, biomass, diversity and corresponding environmental properties. *Scientific Data*, **2021**, 8, 136	8.2	4
78	Cover Crop Impacts on Water Dynamics and Yields in Dryland Wheat Systems on the Colorado Plateau. *Agronomy*, **2021**, 11, 1102	3.6	1
77	Dryland cover crop soil health benefits are maintained with grazing in the U.S. High and Central Plains. *Agriculture, Ecosystems and Environment*, **2021**, 313, 107358	5.7	5
76	Deficit irrigation drives maize root distribution and soil microbial communities with implications for soil carbon dynamics. *Soil Science Society of America Journal*, **2021**, 85, 412-422	2.5	3
75	Unpicking the Inter-relationships Between Off-Farm Livelihood Diversification, Household Characteristics, and Farm Management in the Rural Andes. *Frontiers in Sustainable Food Systems*, **2021**, 5,	4.8	3
74	Winter cover crops and no-till promote soil macrofauna communities in irrigated, Mediterranean cropland in California, USA. *Applied Soil Ecology*, **2021**, 166, 104068	5	2
73	Artefactual depiction of predator-prey trophic linkages in global soils.. *Scientific Reports*, **2021**, 11, 23861	4.9	0
72	Conservation tillage supports soil macrofauna communities, infiltration, and farm profits in an irrigated maize-based cropping system of Colorado. *Soil Science Society of America Journal*, **2020**, 84, 1943-1956	2.5	3
71	Agroecosystem patterns and land management co-develop through environment, management, and land-use interactions. *Ecosphere*, **2020**, 11, e03113	3.1	4

70	Participatory design of improved forage/fallow options across soil gradients with farmers of the Central Peruvian Andes. *Agriculture, Ecosystems and Environment*, **2020**, 300, 106933	5.7	6
69	A soil tool kit to evaluate soil properties and monitor soil health changes in smallholder farming contexts. *Geoderma*, **2020**, 376, 114539	6.7	4
68	The Rural Household Multiple Indicator Survey, data from 13,310 farm households in 21 countries. *Scientific Data*, **2020**, 7, 46	8.2	11
67	Assessing the sensitivity and repeatability of permanganate oxidizable carbon as a soil health metric: An interlab comparison across soils. *Geoderma*, **2020**, 366, 114235	6.7	18
66	Live barriers and associated organic amendments mitigate land degradation and improve crop productivity in hillside agricultural systems of the Ecuadorian Andes. *Land Degradation and Development*, **2020**, 31, 1650	4.4	3
65	Soil aggregation, ecosystem engineers and the C cycle. *Acta Oecologica*, **2020**, 105, 103561	1.7	21
64	Spectral responses to labile organic carbon fractions as useful soil quality indicators across a climatic gradient. *Ecological Indicators*, **2020**, 111, 106042	5.8	5
63	Ecto- and endoparasitic nematodes respond differently across sites to changes in precipitation. *Oecologia*, **2020**, 193, 761-771	2.9	8
62	Eucalyptus and alder field margins differ in their impact on ecosystem services and biodiversity within cropping fields of the Peruvian Andes. *Agriculture, Ecosystems and Environment*, **2020**, 303, 107107	5.7	3
61	The effects of dryland cropping system intensity on soil function and associated changes in macrofauna communities. *Soil Science Society of America Journal*, **2020**, 84, 1854-1870	2.5	3
60	Inter-community and on-farm asymmetric organic matter allocation patterns drive soil fertility gradients in a rural Andean landscape. *Land Degradation and Development*, **2020**, 31, 2973-2985	4.4	3
59	Tillage and residue management effects on irrigated maize performance and water cycling in a semiarid cropping system of Eastern Colorado. *Irrigation Science*, **2020**, 38, 547-557	3.1	4
58	Land Tenure Insecurity Constrains Cropping System Investment in the Jordan Valley of the West Bank. *Sustainability*, **2020**, 12, 6557	3.6	0
57	Linkages among Soil Properties and Litter Quality in Agroforestry Systems of Southeastern Brazil. *Sustainability*, **2020**, 12, 9752	3.6	6
56	Global distribution of earthworm diversity. *Science*, **2019**, 366, 480-485	33.3	113
55	Factors contributing to maize and bean yield gaps in Central America vary with site and agroecological conditions. *Journal of Agricultural Science*, **2019**, 157, 300-317	1	4
54	Improved Pastures Support Early Indicators of Soil Restoration in Low-input Agroecosystems of Nicaragua. *Environmental Management*, **2019**, 64, 201-212	3.1	7
53	Tillage and residue management drive rapid changes in soil macrofauna communities and soil properties in a semiarid cropping system of Eastern Colorado. *Applied Soil Ecology*, **2019**, 143, 98-106	5	20

52	Nitrogen Dynamics in an Established Alfalfa Field under Low Biochar Application Rates. *Soil Systems* , **2019**, 3, 77	3.5	2
51	How rural out-migrations drive changes to farm and land management: A case study from the rural Andes. *Land Use Policy*, **2019**, 81, 594-603	5.6	25
50	Earthworms regulate plant productivity and the efficacy of soil fertility amendments in acid soils of the Colombian Llanos. *Soil Biology and Biochemistry*, **2019**, 129, 136-143	7.5	13
49	Environmental controls and long-term changes on carbon stocks under agricultural lands. *Soil and Tillage Research*, **2019**, 186, 310-321	6.5	13
48	PARTICIPATORY EVALUATION OF IMPROVED GRASSES AND FORAGE LEGUMES FOR SMALLHOLDER LIVESTOCK PRODUCTION IN CENTRAL AMERICA. *Experimental Agriculture*, **2019**, 55, 776-792	1.7	4
47	Evaluating ecosystem service trade-offs and synergies from slash-and-mulch agroforestry systems in El Salvador. *Ecological Indicators*, **2019**, 105, 264-278	5.8	20
46	Intensifying rotations increases soil carbon, fungi, and aggregation in semi-arid agroecosystems. *Agriculture, Ecosystems and Environment*, **2018**, 258, 14-22	5.7	34
45	Improving the utility of erosion pins: absolute value of pin height change as an indicator of relative erosion. *Catena*, **2018**, 163, 427-432	5.8	13
44	Root traits and root biomass allocation impact how wheat genotypes respond to organic amendments and earthworms. *PLoS ONE*, **2018**, 13, e0200646	3.7	8
43	Economic viability of deficit irrigation in the Western US. *Agricultural Water Management*, **2018**, 196, 114-123	5.9	15
42	Soil Carbon Pools in Dryland Agroecosystems as Affected by Several Years of Drought. *Journal of Environmental Quality*, **2018**, 47, 766-773	3.4	7
41	Land use as a driver of soil fertility and biodiversity across an agricultural landscape in the Central Peruvian Andes **2017**, 27, 1138-1154		22
40	Biochar additions can enhance soil structure and the physical stabilization of C in aggregates. *Geoderma*, **2017**, 303, 110-117	6.7	106
39	The database of the PREDICTS (Projecting Responses of Ecological Diversity In Changing Terrestrial Systems) project. *Ecology and Evolution*, **2017**, 7, 145-188	2.8	101
38	Biochemical proxies indicate differences in soil C cycling induced by long-term tillage and residue management in a tropical agroecosystem. *Plant and Soil*, **2017**, 420, 315-329	4.2	11
37	Predicting carbon benefits from climate-smart agriculture: High-resolution carbon mapping and uncertainty assessment in El Salvador. *Journal of Environmental Management*, **2017**, 202, 287-298	7.9	4
36	Soil fertility regulates invasive herbivore performance and top-down control in tropical agroecosystems of Southeast Asia. *Agriculture, Ecosystems and Environment*, **2017**, 249, 38-49	5.7	12
35	Can conservation agriculture improve phosphorus (P) availability in weathered soils? Effects of tillage and residue management on soil P status after 9 years in a Kenyan Oxisol. *Soil and Tillage Research*, **2017**, 166, 157-166	6.5	30

34	Unsustainable landscapes of deforested Amazonia: An analysis of the relationships among landscapes and the social, economic and environmental profiles of farms at different ages following deforestation. *Global Environmental Change*, **2016**, 40, 137-155	10.1	25
33	Predicting bee community responses to land-use changes: Effects of geographic and taxonomic biases. *Scientific Reports*, **2016**, 6, 31153	4.9	61
32	Plant versus microbial controls on soil aggregate stability in a seasonally dry ecosystem. *Geoderma*, **2016**, 272, 39-50	6.7	72
31	Residual Effects of Fertilization History Increase Nitrous Oxide Emissions from Zero-N Controls: Implications for Estimating Fertilizer-Induced Emission Factors. *Journal of Environmental Quality*, **2016**, 45, 1501-1508	3.4	7
30	Influence of regions, land uses and soil properties on termite and ant communities in agricultural landscapes of the Colombian Llanos. *European Journal of Soil Biology*, **2016**, 74, 81-92	2.9	11
29	Crop residue retention enhances soil properties and nitrogen cycling in smallholder maize systems of Chiapas, Mexico. *Applied Soil Ecology*, **2016**, 103, 110-116	5	23
28	Pasture degradation decreases organic P content of tropical soils due to soil structural decline. *Geoderma*, **2015**, 257-258, 123-133	6.7	40
27	Pasture degradation impacts soil phosphorus storage via changes to aggregate-associated soil organic matter in highly weathered tropical soils. *Soil Biology and Biochemistry*, **2014**, 68, 150-157	7.5	77
26	Soil ecosystem services and land use in the rapidly changing Orinoco River Basin of Colombia. *Agriculture, Ecosystems and Environment*, **2014**, 185, 106-117	5.7	81
25	Ants as indicators of soil-based ecosystem services in agroecosystems of the Colombian Llanos. *Applied Soil Ecology*, **2014**, 84, 24-30	5	24
24	The PREDICTS database: a global database of how local terrestrial biodiversity responds to human impacts. *Ecology and Evolution*, **2014**, 4, 4701-35	2.8	132
23	Greenhouse-gas emissions from soils increased by earthworms. *Nature Climate Change*, **2013**, 3, 187-194	21.4	247
22	Soil macrofauna as indicators of soil quality and land use impacts in smallholder agroecosystems of western Nicaragua. *Ecological Indicators*, **2013**, 27, 71-82	5.8	72
21	Pathways to Agroecological Intensification of Soil Fertility Management by Smallholder Farmers in the Andean Highlands. *Advances in Agronomy*, **2012**, 116, 125-184	7.7	36
20	Forty percent revenue increase by combining organic and mineral nutrient amendments in Ugandan smallholder market vegetable production. *Agronomy for Sustainable Development*, **2012**, 32, 831-839	6.8	9
19	Interactive effects of plants and earthworms on the physical stabilization of soil organic matter in aggregates. *Plant and Soil*, **2012**, 359, 205-214	4.2	43
18	Soil macrofauna-mediated impacts of plant species composition on soil functioning in Amazonian pastures. *Applied Soil Ecology*, **2012**, 56, 43-50	5	37
17	The distribution of nematodes and soil microbial communities across soil aggregate fractions and farm management systems. *Soil Biology and Biochemistry*, **2011**, 43, 905-914	7.5	123

16	Effects of manipulated herbivore inputs on nutrient flux and decomposition in a tropical rainforest in Puerto Rico. *Oecologia*, **2011**, 167, 1141-9	2.9	37
15	Trade-offs Associated with Using Soil Carbon Sequestration as Climate Change Mitigation. *ICP Series on Climate Change Impacts, Adaptation, and Mitigation*, **2010**, 365-392		1
14	Earthworms, soil fertility and aggregate-associated soil organic matter dynamics in the Quesungual agroforestry system. *Geoderma*, **2010**, 155, 320-328	6.7	54
13	Earthworm impacts on soil organic matter and fertilizer dynamics in tropical hillside agroecosystems of Honduras. *Pedobiologia*, **2010**, 53, 327-335	1.7	19
12	Earthworms and litter management contributions to ecosystem services in a tropical agroforestry system **2010**, 20, 1061-73		44
11	Biodiversity and multiple ecosystem functions in an organic farmscape. *Agriculture, Ecosystems and Environment*, **2010**, 139, 80-97	5.7	98
10	Transitioning from standard to minimum tillage: Trade-offs between soil organic matter stabilization, nitrous oxide emissions, and N availability in irrigated cropping systems. *Soil and Tillage Research*, **2009**, 104, 256-262	6.5	47
9	Earthworm populations in relation to soil organic matter dynamics and management in California tomato cropping systems. *Applied Soil Ecology*, **2009**, 41, 206-214	5	59
8	Fertilizer and Residue Quality Effects on Organic Matter Stabilization in Soil Aggregates. *Soil Science Society of America Journal*, **2009**, 73, 961-966	2.5	76
7	Influence of earthworm activity on aggregate-associated carbon and nitrogen dynamics differs with agroecosystem management. *Soil Biology and Biochemistry*, **2007**, 39, 1014-1022	7.5	81
6	Soil aggregates control N cycling efficiency in long-term conventional and alternative cropping systems. *Nutrient Cycling in Agroecosystems*, **2007**, 79, 45-58	3.3	29
5	The influence of a neotropical herbivore (Lamponius portoricensis) on nutrient cycling and soil processes. *Oecologia*, **2005**, 146, 423-31	2.9	40
4	Decomposition of Greenfall vs. Senescent Foliage in a Tropical Forest Ecosystem in Puerto Rico1. *Biotropica*, **2004**, 36, 474-482	2.3	56
3	Decomposition in Forest Canopies **2004**, 413-422		16
2	Decomposition of Greenfall vs. Senescent Foliage in a Tropical Forest Ecosystem in Puerto Rico1. *Biotropica*, **2004**, 36, 474	2.3	3
1	Soil macroinvertebrate communities: A world-wide assessment. *Global Ecology and Biogeography*,	6.1	5