Marta Camps

List of Publications by Year in descending order

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45 papers	2,330 citations	393982 19 h-index	264894 42 g-index
45 all docs	45 docs citations	45 times ranked	2874 citing authors

#	Article	IF	Citations
1	Effect of biochar on soil physical properties in two contrasting soils: An Alfisol and an Andisol. Geoderma, 2013, 209-210, 188-197.	2.3	492
2	Biochar in climate change mitigation. Nature Geoscience, 2021, 14, 883-892.	5.4	263
3	Predicting phosphorus bioavailability from high-ash biochars. Plant and Soil, 2012, 357, 173-187.	1.8	257
4	Biochar effects on crop yields with and without fertilizer: A metaâ€analysis of field studies using separate controls. Soil Use and Management, 2020, 36, 2-18.	2.6	188
5	The long-term role of organic amendments in building soil nutrient fertility: a meta-analysis and review. Nutrient Cycling in Agroecosystems, 2018, 111, 103-125.	1.1	129
6	Chemical and bioassay characterisation of nitrogen availability in biochar produced from dairy manure and biosolids. Organic Geochemistry, 2012, 51, 45-54.	0.9	112
7	Biodegradation of Î³-Hexachlorocyclohexane (Lindane) and Î±-Hexachlorocyclohexane in Water and a Soil Slurry by a Pandoraea Species. Journal of Agricultural and Food Chemistry, 2002, 50, 2548-2555.	2.4	107
8	The fate of phosphorus of ash-rich biochars in a soil-plant system. Plant and Soil, 2014, 375, 61-74.	1.8	86
9	Soil carbon sequestration in a changing global environment. Mitigation and Adaptation Strategies for Global Change, 2010, 15, 511-529.	1.0	84
10	Management practices to reduce losses or increase soil carbon stocks in temperate grazed grasslands: New Zealand as a case study. Agriculture, Ecosystems and Environment, 2018, 265, 432-443.	2.5	73
11	Predicting C aromaticity of biochars based on their elemental composition. Organic Geochemistry, 2013, 62, 1-6.	0.9	62
12	Determination of carbonate-C in biochars. Soil Research, 2014, 52, 495.	0.6	49
13	Biochar in Co-Contaminated Soil Manipulates Arsenic Solubility and Microbiological Community Structure, and Promotes Organochlorine Degradation. PLoS ONE, 2015, 10, e0125393.	1.1	45
14	Biochar-based fertilizer effects on crop productivity: a meta-analysis. Plant and Soil, 2022, 472, 45-58.	1.8	35
15	Comparison of Pine Bark, Biochar and Zeolite as Sorbents for NH₄⁺â€N Removal from Water. Clean - Soil, Air, Water, 2015, 43, 86-91.	0.7	29
16	Testing an Alternative Method for Estimating the Length of Fungal Hyphae Using Photomicrography and Image Processing. PLoS ONE, 2016, 11, e0157017.	1.1	28
17	Environmental benefits and risks of biochar application to soil. Agriculture, Ecosystems and Environment, 2014, 191, 1-4.	2.5	27
18	Fate of biochar in chemically- and physically-defined soil organic carbon pools. Organic Geochemistry, 2014, 73, 35-46.	0.9	25

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19	Biochar amendment improves soil physico-chemical properties and alters root biomass and the soil food web in grazed pastures. Agriculture, Ecosystems and Environment, 2021, 319, 107517.	2.5	20
20	Molecular characteristics of permanganate- and dichromate-oxidation-resistant soil organic matter from a black-C-rich colluvial soil. Soil Research, 2014, 52, 164.	0.6	19
21	An investigation of organic matter quality and quantity in acid soils as influenced by soil type and land use. Geoderma, 2018, 328, 44-55.	2.3	18
22	The chemical composition of native organic matter influences the response of bacterial community to input of biochar and fresh plant material. Plant and Soil, 2015, 395, 87-104.	1.8	17
23	Factors influencing the molecular composition of soil organic matter in New Zealand grasslands. Agriculture, Ecosystems and Environment, 2016, 232, 290-301.	2.5	16
24	Assessing Biochar Stability Indices Using near Infrared Spectroscopy. Journal of Near Infrared Spectroscopy, 2014, 22, 313-328.	0.8	15
25	The interactions between biochar and earthworms, and their influence on soil properties and clover growth: A 6-month mesocosm experiment. Applied Soil Ecology, 2020, 147, 103402.	2.1	15
26	Physical protection of soil organic matter following mechanized forest operations in Pinus radiata D.Don plantations. Soil Biology and Biochemistry, 2011, 43, 141-149.	4.2	14
27	Changes in the chemical composition of soil organic matter over time in the presence and absence of living roots: a pyrolysis GC/MS study. Plant and Soil, 2015, 391, 161-177.	1.8	13
28	Lime and/or Phosphate Application Affects the Stability of Soil Organic Carbon: Evidence from Changes in Quantity and Chemistry of the Soil Water-Extractable Organic Matter. Environmental Science & Technology, 2020, 54, 13908-13916.	4.6	11
29	Influence of Agricultural Practices on the Stability of Organo-Al Complexes in an Alu-Andic Andosol. Soil Science, 2010, 175, 390-397.	0.9	10
30	Use of either pumice or willow-based biochar amendments to decrease soil salinity under arid conditions. Environmental Technology and Innovation, 2021, 24, 101849.	3.0	10
31	Net changes of soil C stocks in two grassland soils 26Âmonths after simulated pasture renovation including biochar addition. GCB Bioenergy, 2016, 8, 600-615.	2.5	9
32	Changes in Heavy Metal Concentrations in Acid Soils Under Pine Stands Subjected to Repeated Applications of Biosolids. Soil Science, 2009, 174, 372-379.	0.9	8
33	Dissolved organic carbon concentration and denitrification capacity of a hill country sub-catchment as affected by soil type and slope. New Zealand Journal of Agricultural Research, 2019, 62, 354-368.	0.9	8
34	A biogeochemical view of the world reference base soil classification system. Advances in Agronomy, 2020, 160, 295-342.	2.4	7
35	A farm-scale investigation of the organic matter composition and soil chemistry of Andisols as influenced by land use and management. Biogeochemistry, 2018, 140, 65-79.	1.7	5
36	Soil organic carbon in northern Spain (Galicia, Asturias, Cantabria and PaÃs Vasco). Spanish Journal of Soil Science, 0, 5, .	0.0	5

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37	Effect of forage crop establishment on dissolved organic carbon dynamics and leaching in a hill country soil. Soil Use and Management, 2019, 35, 453-465.	2.6	4
38	Reclamation of salt-affected soils using pumice and algal amendments: Impact on soil salinity and the growth of lucerne. Environmental Technology and Innovation, 2021, 24, 101867.	3.0	4
39	The regulators of soil organic carbon mineralization upon lime and/or phosphate addition vary with depth. Science of the Total Environment, 2022, 828, 154378.	3.9	4
40	Denitrification Capacity of Hill Country Wet and Dry Area Soils as Influenced by Dissolved Organic Carbon Concentration and Chemistry. Wetlands, 2020, 40, 681-691.	0.7	3
41	Research and Application of Biochar in New Zealand. SSSA Special Publication Series, 2015, , 423-443.	0.2	2
42	Data on the organic matter characteristics of New Zealand soils under different land uses. Data in Brief, 2018, 21, 620-638.	0.5	1
43	Influence of the physical properties of pumice and biochar amendments on the soilâ€™s mobile and immobile water: implications for use in saline environments. Soil Research, 2022, 60, 234-241.	0.6	1
44	Oxidability of Soil Organic Matter of Forest Soils Assessed Using 33 mM of Potassium Permanganate. Soil Science, 2011, 176, 175-182.	0.9	0
45	Tephra is an effective P diffusion barrier in root exclusion experiments. Plant and Soil, 2017, 410, 51-61.	1.8	0