Marta Camps

List of Publications by Year in descending order

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45 papers	2,330 citations	394421 19 h-index	265206 42 g-index
45 all docs	45 docs citations	45 times ranked	2874 citing authors

#	Article	IF	Citations
1	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.	1.1	1
2	Biochar-based fertilizer effects on crop productivity: a meta-analysis. Plant and Soil, 2022, 472, 45-58.	3.7	35
3	The regulators of soil organic carbon mineralization upon lime and/or phosphate addition vary with depth. Science of the Total Environment, 2022, 828, 154378.	8.0	4
4	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.	5.3	20
5	Use of either pumice or willow-based biochar amendments to decrease soil salinity under arid conditions. Environmental Technology and Innovation, 2021, 24, 101849.	6.1	10
6	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.	6.1	4
7	Biochar in climate change mitigation. Nature Geoscience, 2021, 14, 883-892.	12.9	263
8	Denitrification Capacity of Hill Country Wet and Dry Area Soils as Influenced by Dissolved Organic Carbon Concentration and Chemistry. Wetlands, 2020, 40, 681-691.	1.5	3
9	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.	4.9	188
10	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.	4.3	15
11	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.	10.0	11
12	A biogeochemical view of the world reference base soil classification system. Advances in Agronomy, 2020, 160, 295-342.	5.2	7
13	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.	4.9	4
14	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.	1.6	8
15	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.	2.2	129
16	Data on the organic matter characteristics of New Zealand soils under different land uses. Data in Brief, 2018, 21, 620-638.	1.0	1
17	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.	3.5	5
18	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.	5.3	73

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19	An investigation of organic matter quality and quantity in acid soils as influenced by soil type and land use. Geoderma, 2018, 328, 44-55.	5.1	18
20	Tephra is an effective P diffusion barrier in root exclusion experiments. Plant and Soil, 2017, 410, 51-61.	3.7	0
21	Net changes of soil C stocks in two grassland soils 26Âmonths after simulated pasture renovation including biochar addition. GCB Bioenergy, 2016, 8, 600-615.	5.6	9
22	Factors influencing the molecular composition of soil organic matter in New Zealand grasslands. Agriculture, Ecosystems and Environment, 2016, 232, 290-301.	5.3	16
23	Testing an Alternative Method for Estimating the Length of Fungal Hyphae Using Photomicrography and Image Processing. PLoS ONE, 2016, 11, e0157017.	2.5	28
24	Research and Application of Biochar in New Zealand. SSSA Special Publication Series, 2015, , 423-443.	0.2	2
25	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.	3.7	13
26	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.	3.7	17
27	Comparison of Pine Bark, Biochar and Zeolite as Sorbents for NH₄⁺â€N Removal from Water. Clean - Soil, Air, Water, 2015, 43, 86-91.	1.1	29
28	Biochar in Co-Contaminated Soil Manipulates Arsenic Solubility and Microbiological Community Structure, and Promotes Organochlorine Degradation. PLoS ONE, 2015, 10, e0125393.	2.5	45
29	Molecular characteristics of permanganate- and dichromate-oxidation-resistant soil organic matter from a black-C-rich colluvial soil. Soil Research, 2014, 52, 164.	1.1	19
30	The fate of phosphorus of ash-rich biochars in a soil-plant system. Plant and Soil, 2014, 375, 61-74.	3.7	86
31	Environmental benefits and risks of biochar application to soil. Agriculture, Ecosystems and Environment, 2014, 191, 1-4.	5.3	27
32	Fate of biochar in chemically- and physically-defined soil organic carbon pools. Organic Geochemistry, 2014, 73, 35-46.	1.8	25
33	Determination of carbonate-C in biochars. Soil Research, 2014, 52, 495.	1.1	49
34	Assessing Biochar Stability Indices Using near Infrared Spectroscopy. Journal of Near Infrared Spectroscopy, 2014, 22, 313-328.	1.5	15
35	Effect of biochar on soil physical properties in two contrasting soils: An Alfisol and an Andisol. Geoderma, 2013, 209-210, 188-197.	5.1	492
36	Predicting C aromaticity of biochars based on their elemental composition. Organic Geochemistry, 2013, 62, 1-6.	1.8	62

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37	Chemical and bioassay characterisation of nitrogen availability in biochar produced from dairy manure and biosolids. Organic Geochemistry, 2012, 51, 45-54.	1.8	112
38	Predicting phosphorus bioavailability from high-ash biochars. Plant and Soil, 2012, 357, 173-187.	3.7	257
39	Physical protection of soil organic matter following mechanized forest operations in Pinus radiata D.Don plantations. Soil Biology and Biochemistry, 2011, 43, 141-149.	8.8	14
40	Oxidability of Soil Organic Matter of Forest Soils Assessed Using 33 mM of Potassium Permanganate. Soil Science, 2011, 176, 175-182.	0.9	0
41	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
42	Soil carbon sequestration in a changing global environment. Mitigation and Adaptation Strategies for Global Change, 2010, 15, 511-529.	2.1	84
43	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
44	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.	5.2	107
45	Soil organic carbon in northern Spain (Galicia, Asturias, Cantabria and PaÃs Vasco). Spanish Journal of Soil Science, 0, 5, .	0.0	5