Carmen Trasar-Cepeda

List of Publications by Year
in descending order

51 papers	3,498 citations	236925 25 h-index	243625 44 g-index

52 all docs	52 docs citations	52 times ranked	3906 citing authors

#	Article	IF	Citations
1	Different approaches to evaluating soil quality using biochemical properties. Soil Biology and Biochemistry, 2005, 37, 877-887.	8.8	559
2	Soil enzyme activity: a brief history and biochemistry as a basis for appropriate interpretations and meta-analysis. Biology and Fertility of Soils, 2018, 54, 11-19.	4.3	324
3	Hydrolytic enzyme activities in agricultural and forest soils. Some implications for their use as indicators of soil quality. Soil Biology and Biochemistry, 2008, 40, 2146-2155.	8.8	304
4	Effects of moisture and temperature on net soil nitrogen mineralization: A laboratory study. European Journal of Soil Biology, 2012, 48, 73-80.	3.2	226
5	Limitations of soil enzymes as indicators of soil pollution. Soil Biology and Biochemistry, 2000, 32, 1867-1875.	8.8	203
6	Dependence of mineralization of soil organic matter on temperature and moisture. Soil Biology and Biochemistry, 1999, 31, 327-335.	8.8	194
7	Towards a biochemical quality index for soils: An expression relating several biological and biochemical properties. Biology and Fertility of Soils, 1997, 26, 100-106.	4.3	190
8	Thermodynamic parameters of enzymes in grassland soils from Galicia, NW Spain. Soil Biology and Biochemistry, 2007, 39, 311-319.	8.8	141
9	Measurement of dehydrogenase activity in acid soils rich in organic matter. Soil Biology and Biochemistry, 1998, 30, 1005-1011.	8.8	129
10	Biochemical properties of acid soils under climax vegetation (Atlantic oakwood) in an area of the European temperateâ€“humid zone (Galicia, NW Spain): specific parameters. Soil Biology and Biochemistry, 2000, 32, 747-755.	8.8	102
11	An improved method to measure catalase activity in soils. Soil Biology and Biochemistry, 1999, 31, 483-485.	8.8	97
12	Biochemical properties of acid soils under climax vegetation (Atlantic oakwood) in an area of the European temperateâ€“humid zone (Galicia, NW Spain): general parameters. Soil Biology and Biochemistry, 2000, 32, 733-745.	8.8	95
13	Aided phytostabilisation reduces metal toxicity, improves soil fertility and enhances microbial activity in Cu-rich mine tailings. Journal of Environmental Management, 2017, 186, 301-313.	7.8	86
14	Hydrolase enzyme activities in a successional gradient of biological soil crusts in arid and semi-arid zones. Soil Biology and Biochemistry, 2012, 53, 124-132.	8.8	68
15	Comparative study of the microbial diversity of bulk paddy soil of two rice fields subjected to organic and conventional farming. Soil Biology and Biochemistry, 2011, 43, 115-125.	8.8	66
16	Defining the validity of a biochemical index of soil quality. Biology and Fertility of Soils, 1999, 30, 140-146.	4.3	61
17	Labile carbon in biological soil crusts in the Tabernas desert, SE Spain. Soil Biology and Biochemistry, 2013, 58, 1-8.	8.8	57
18	Biochemical properties in managed grassland soils in a temperate humid zone: modifications of soil quality as a consequence of intensive grassland use. Biology and Fertility of Soils, 2009, 45, 711-722.	4.3	55

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19	Intra-annual variation in biochemical properties and the biochemical equilibrium of different grassland soils under contrasting management and climate. Biology and Fertility of Soils, 2011, 47, 633-645.	4.3	53
20	Biochemical properties of soils under crop rotation. Applied Soil Ecology, 2008, 39, 133-143.	4.3	52
21	Effects of liming on organic matter decomposition and phosphorus extractability in an acid humic Ranker soil from northwest Spain. Biology and Fertility of Soils, 1993, 15, 279-284.	4.3	49
22	Biological and microbial activity in biological soil crusts from the Tabernas desert, a sub-arid zone in SE Spain. Soil Biology and Biochemistry, 2012, 55, 113-121.	8.8	47
23	Biochemical properties of vineyard soils in Galicia, Spain. Science of the Total Environment, 2007, 378, 218-222.	8.0	32
24	Effect of management and climate on biochemical properties of grassland soils from Galicia (NW) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.2	31
25	Modification of enzymatic activity in soils of contrasting pH contaminated with 2,4-dichlorophenol and 2,4,5-trichlorophenol. Soil Biology and Biochemistry, 2013, 56, 80-86.	8.8	26
26	Evaluation of various tests for the diagnosis of soil contamination by 2,4,5-trichlorophenol (2,4,5-TCP). Environmental Pollution, 2008, 156, 611-617.	7.5	25
27	Use of soil enzyme activities to assess the recovery of soil functions in abandoned coppice forest systems. Science of the Total Environment, 2019, 694, 133692.	8.0	25
28	Biochemical properties of range and forest soils in Mediterranean mountain environments. Biology and Fertility of Soils, 2007, 43, 721-729.	4.3	23
29	Sensitivity of soil respiration to moisture and temperature. Journal of Soil Science and Plant Nutrition, 2013, , 0-0.	3.4	21
30	Evaluation of Composted Organic Wastes and Farmyard Manure for Improving Fertility of Poor Sandy Soils in Arid Regions. Agriculture (Switzerland), 2021, 11, 415.	3.1	21
31	Effect of land use on some soil properties related to the risk of loss of soil phosphorus. Land Degradation and Development, 2008, 19, 21-35.	3.9	20
32	Modifications of organic matter and enzymatic activities in response to change in soil use in semiâ€arid mountain ecosystems (southern Spain). European Journal of Soil Science, 2012, 63, 272-283.	3.9	15
33	Effect of waterlogging on soil biochemical properties and organic matter quality in different salt marsh systems. Geoderma, 2019, 338, 302-312.	5.1	15
34	Environmental and ecological factors influencing soil functionality of biologically crusted soils by different lichen species in drylands. Science of the Total Environment, 2021, 794, 148491.	8.0	13
35	Suitability of the OCDE tests to estimate contamination with 2,4-dichlorophenol of soils from Galicia (NW Spain). Science of the Total Environment, 2007, 378, 58-62.	8.0	11
36	Relationships among bulk soil physicochemical, biochemical, and microbiological parameters in an organic alfalfa-rice rotation system. Environmental Science and Pollution Research, 2015, 22, 11690-11699.	5.3	11

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37	Modification of the degradative capacity of a soil artificially contaminated with diesel. Chemosphere, 2007, 67, 1057-1063.	8.2	10
38	CO2 emission from soils under different uses and flooding conditions. Soil Biology and Biochemistry, 2009, 41, 2598-2601.	8.8	10
39	Extraction and quantification of chlorophenolate molecules in soils spiked with 2,4-dichlorophenol and 2,4,5-trichlorophenol. Science of the Total Environment, 2018, 616-617, 179-186.	8.0	10
40	Translocation of soils to stimulate climate change: CO2emissions and modifications to soil organic matter. European Journal of Soil Science, 2007, 58, 1233-1243.	3.9	9
41	Capacity of biological soil crusts colonized by the lichen Diploschistes to metabolize simple phenols. Plant and Soil, 2014, 385, 229-240.	3.7	6
42	Does Soil Organic Matter Affect the Impact of the Ionic Liquid Ethylammonium Nitrate in the Pure State and as Mixture with Lithium Salt on Basal Soil Respiration?. Chemistry Proceedings, 2021, 3, 93.	0.1	2
43	Validation and modification of the phosphorus loss index as applied to a small catchment. Soil Use and Management, 2013, 29, 114-123.	4.9	1
44	Effect of sawdust amendment on mineralization of organic nitrogen in a 2,4,5-trichlorophenol contaminated soil. Journal of Soil Science and Plant Nutrition, 2013, , 0-0.	3.4	0
45	Effects of Three Ionic Liquids on Microbial Activity of an Organic Soil. Microcalorimetric Study. Proceedings (mdpi), 2019, 9, 8.	0.2	0
46	Effects of Ethylimidazolium Nitrate and the Aluminum Nitrate Salt Mixtures on Germination of Three Forest Species. Proceedings (mdpi), 2019, 41, .	0.2	0
47	Temporal Variability and the Effect of Fertilization on Biochemical Properties of a Grassland Soil from Galicia (NW Spain). Environmental Science and Engineering, 2011, , 119-132.	0.2	0
48	Laboratory Contamination with 2,4,5-Trichlorophenol: Effects on Some Enzymatic Activities in Two Forest and Two Agricultural Soils of Contrasting pH. Environmental Science and Engineering, 2011, , 219-229.	0.2	0
49	Changes in Some Hydrolase Activities in Agricultural Soils in Response to Zinc Contamination. Environmental Science and Engineering, 2011, , 181-193.	0.2	0
50	Temporal Changes in Some Enzymatic Activities in a Forest and an Agricultural Soils Artificially Contaminated with 2,4,5-Trichlorophenol. Environmental Science and Engineering, 2011, , 231-240.	0.2	0
51	Ecotoxicological Evaluation of Ethylammonium Nitrate and Aluminium Salt Mixture. Cells, 2021, 3, 85.	4.1	0