Maria Cristina Moscatelli

List of Publications by Year
in descending order

35 papers	2,037 citations	279798 23 h-index	361022 35 g-index
35 all docs	35 docs citations	35 times ranked	2754 citing authors

#	Article	IF	Citations
1	Soil properties changes after seven years of ground mounted photovoltaic panels in Central Italy coastal area. Geoderma Regional, 2022, 29, e00500.	2.1	11
2	Enzyme activities as affected by mineral properties in buried volcanic soils of southern Italy. Geoderma, 2020, 362, 114123.	5.1	2
3	Long-term conservation tillage and nitrogen fertilization effects on soil aggregate distribution, nutrient stocks and enzymatic activities in bulk soil and occluded microaggregates. Soil and Tillage Research, 2020, 196, 104482.	5.6	73
4	Secondary soil salinization in urban lawns: Microbial functioning, vegetation state, and implications for carbon balance. Land Degradation and Development, 2020, 31, 2591-2604.	3.9	19
5	Assessment of soil microbial functional diversity: land use and soil properties affect CLPP-MicroResp and enzymes responses. Pedobiologia, 2018, 66, 36-42.	1.2	54
6	Short-term changes in soil biochemical properties as affected by subsidiary crop cultivation in four European pedo-climatic zones. Soil and Tillage Research, 2018, 180, 126-136.	5.6	16
7	Rapid assessment of As and other elements in naturally-contaminated calcareous soil through hyperspectral VIS-NIR analysis. Talanta, 2018, 190, 167-173.	5.5	11
8	A Multi-biological Assay Approach to Assess Microbial Diversity in Arsenic (As) Contaminated Soils. Geomicrobiology Journal, 2017, 34, 183-192.	2.0	21
9	Soil properties as indicators of treeline dynamics in relation to anthropogenic pressure and climate change. Climate Research, 2017, 73, 73-84.	1.1	7
10	API ZYM assay to evaluate enzyme fingerprinting and microbial functional diversity in relation to soil processes. Biology and Fertility of Soils, 2016, 52, 77-89.	4.3	16
11	Mobility and distribution of arsenic in contaminated mine soils and its effects on the microbial pool. Ecotoxicology and Environmental Safety, 2013, 96, 147-153.	6.0	42
12	Soil development and microbial functional diversity: Proposal for a methodological approach. Geoderma, 2013, 192, 437-445.	5.1	30
13	Î²-Glucosidase kinetic parameters as indicators of soil quality under conventional and organic cropping systems applying two analytical approaches. Ecological Indicators, 2012, 13, 322-327.	6.3	67
14	Assessment of soil microbial functional diversity in a coppiced forest system. Applied Soil Ecology, 2012, 62, 115-123.	4.3	57
15	Soil enzymology: classical and molecular approaches. Biology and Fertility of Soils, 2012, 48, 743-762.	4.3	493
16	Soil organic C variability and microbial functions in a Mediterranean agro-forest ecosystem. Biology and Fertility of Soils, 2011, 47, 283-291.	4.3	100
17	Influence of defoliation on CO2 efflux from soil and microbial activity in a Mediterranean grassland. Agriculture, Ecosystems and Environment, 2010, 136, 87-96.	5.3	51
18	Microbial performance under increasing nitrogen availability in a Mediterranean forest soil. Soil Biology and Biochemistry, 2010, 42, 1596-1606.	8.8	24

#	Article	IF	Citations
19	Soil carbon and nitrogen mineralization kinetics in organic and conventional three-year cropping systems. Soil and Tillage Research, 2010, 109, 161-168.	5.6	56
20	Forest soil carbon cycle under elevated CO2 - a case of increased throughput?. Forestry, 2009, 82, 75-86.	2.3	43
21	The influence of temperature and labile C substrates on heterotrophic respiration in response to elevated CO2 and nitrogen fertilization. Plant and Soil, 2009, 317, 223-234.	3.7	20
22	Soil management modifies microâ€scale abundance and function of soil microorganisms in a Mediterranean ecosystem. European Journal of Soil Science, 2009, 60, 2-12.	3.9	43
23	Soil biochemical indicators as a tool to assess the short-term impact of agricultural management on changes in organic C in a Mediterranean environment. Ecological Indicators, 2009, 9, 518-527.	6.3	118
24	Wood-soil interactions in soil bioengineering slope stabilization works. IForest, 2009, 2, 187-191.	1.4	6
25	Assessment of soil nitrogen and phosphorous availability under elevated CO2 and N-fertilization in a short rotation poplar plantation. Plant and Soil, 2008, 308, 131-147.	3.7	44
26	Short- and medium-term contrasting effects of nitrogen fertilization on C and N cycling in a poplar plantation soil. Forest Ecology and Management, 2008, 255, 447-454.	3.2	29
27	Increased nitrogen-use efficiency of a short-rotation poplar plantation in elevated CO2 concentration. Tree Physiology, 2007, 27, 1153-1163.	3.1	50
28	Structural and functional diversity of soil microbes is affected by elevated [CO2] and N addition in a poplar plantation. Journal of Soils and Sediments, 2007, 7, 399-405.	3.0	61
29	Microbial indicators related to soil carbon in Mediterranean land use systems. Soil and Tillage Research, 2007, 97, 51-59.	5.6	81
30	Labile substrates quality as the main driving force of microbial mineralization activity in a poplar plantation soil under elevated CO2 and nitrogen fertilization. Science of the Total Environment, 2006, 372, 256-265.	8.0	45
31	Net carbon storage in a poplar plantation (POPFACE) after three years of free-air CO2 enrichment. Tree Physiology, 2005, 25, 1399-1408.	3.1	74
32	Soil microbial indices as bioindicators of environmental changes in a poplar plantation. Ecological Indicators, 2005, 5, 171-179.	6.3	104
33	Seasonality of soil biological properties in a poplar plantation growing under elevated atmospheric CO2. Applied Soil Ecology, 2005, 30, 162-173.	4.3	61
34	Free-air CO2 enrichment (FACE) enhances biomass production in a short-rotation poplar plantation. Tree Physiology, 2003, 23, 805-814.	3.1	103
35	Mediterranean natural forest living at elevated carbon dioxide: soil biological properties and plant biomass growth.. Soil Use and Management, 2001, 17, 195-202.	4.9	5