Claudio Mondini

List of Publications by Year
in descending order

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63	3,725	136950	128289
papers	citations	32 h-index	60 g-index

69	69	69	4681
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Short-Term Mineralization of Belowground Biomass of Perennial Biomass Crops after Reversion to Arable Land. Agronomy, 2022, 12, 485.	3.0	4
2	Fresh biochar application provokes a reduction of nitrate which is unexplained by conventional mechanisms. Science of the Total Environment, 2021, 755, 142430.	8.0	13
3	Impact of fertilization with pig slurry on the isotopic composition of nitrate retained in soil and leached to groundwater in agricultural areas. Applied Geochemistry, 2021, 125, 104832.	3.0	10
4	Long-term effects of gasification biochar application on soil functions in a Mediterranean agroecosystem: Higher addition rates sequester more carbon but pose a risk to soil faunal communities. Science of the Total Environment, 2021, 801, 149580.	8.0	5
5	Role of biochar in promoting circular economy in the agriculture sector. Part 1: A review of the biochar roles in soil N, P and K cycles. Chemical and Biological Technologies in Agriculture, 2020, 7, .	4.6	41
6	Role of biochar in promoting circular economy in the agriculture sector. Part 2: A review of the biochar roles in growing media, composting and as soil amendment. Chemical and Biological Technologies in Agriculture, 2020, 7, .	4.6	23
7	Agronomic Evaluation of Biochar, Compost and Biochar-Blended Compost across Different Cropping Systems: Perspective from the European Project FERTIPLUS. Agronomy, 2019, 9, 225.	3.0	72
8	Biochemical indicators of soil fertility in vineyards with different conservative management systems. BIO Web of Conferences, 2019, 13, 04009.	0.2	3
9	Biochar, compost and biochar-compost blend as options to recover nutrients and sequester carbon. Journal of Environmental Management, 2018, 218, 465-476.	7.8	96
10	The Biorefinery Concept Applied to Bioethanol and Biomethane Production from Manure. Waste and Biomass Valorization, 2018, 9, 2133-2143.	3.4	13
11	Role of biochar as an additive in organic waste composting. Bioresource Technology, 2018, 247, 1155-1164.	9.6	316
12	Soil C Storage Potential of Exogenous Organic Matter at Regional Level (Italy) Under Climate Change Simulated by RothC Model Modified for Amended Soils. Frontiers in Environmental Science, 2018, 6, .	3.3	10
13	Organic amendment effectively recovers soil functionality in degraded vineyards. European Journal of Agronomy, 2018, 101, 210-221.	4.1	20
14	Suitability of Different Agricultural and Urban Organic Wastes as Feedstocks for the Production of Biocharâ€"Part 1: Physicochemical Characterisation. Sustainability, 2018, 10, 2265.	3.2	17
15	Modification of the RothC model to simulate soil C mineralization of exogenous organic matter. Biogeosciences, 2017, 14, 3253-3274.	3.3	29
16	Potential of biochar in composting: effect on process performance and greenhouse gas emissions. Acta Horticulturae, 2016, , 251-256.	0.2	3
17	Environmental and biological controls on CH 4 exchange over an evergreen Mediterranean forest. Agricultural and Forest Meteorology, 2016, 226-227, 67-79.	4.8	28
18	Biochar amendment before or after composting affects compost quality and N losses, but not P plant uptake. Journal of Environmental Management, 2016, 168, 200-209.	7.8	141

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19	Greenhouse gas emissions from organic waste composting. Environmental Chemistry Letters, 2015, 13, 223-238.	16.2	103
20	Greenhouse Gas from Organic Waste Composting: Emissions and Measurement. Environmental Chemistry for A Sustainable World, 2015, , 33-70.	0.5	16
21	Soil microbial biomass influence on strontium availability in mine soil. Chemical Speciation and Bioavailability, 2013, 25, 119-124.	2.0	11
22	Short term effects of bioenergy by-products on soil C and N dynamics, nutrient availability and biochemical properties. Agriculture, Ecosystems and Environment, 2012, 160, 3-14.	5.3	142
23	Spatially explicit modelling of changes in soil organic C in agricultural soils in Italy, 2001â€“2100: Potential for compost amendment. Agriculture, Ecosystems and Environment, 2012, 153, 24-32.	5.3	36
24	Biochemical changes and GHG emissions during composting of lignocellulosic residues with different N-rich by-products. Chemosphere, 2012, 88, 196-203.	8.2	49
25	Glucose promotes the reduction of hexavalent chromium in soil. Geoderma, 2011, 164, 122-127.	5.1	26
26	Nitrous oxide and carbon dioxide emissions during initial decomposition of animal by-products applied as fertilisers to soils. Geoderma, 2010, 157, 235-242.	5.1	48
27	A simple automated system for measuring soil respiration by gas chromatography. Talanta, 2010, 81, 849-855.	5.5	25
28	Plant and animal wastes composting: Effects of the N source on process performance. Bioresource Technology, 2009, 100, 3097-3106.	9.6	44
29	Mineralization dynamics and biochemical properties during initial decomposition of plant and animal residues in soil. Applied Soil Ecology, 2009, 41, 118-127.	4.3	134
30	Fluorescein diacetate hydrolysis, respiration and microbial biomass in freshly amended soils. Biology and Fertility of Soils, 2008, 44, 885-890.	4.3	85
31	The mineralisation of fresh and humified soil organic matter by the soil microbial biomass. Waste Management, 2008, 28, 716-722.	7.4	51
32	Implication of soil C sequestration on sustainable agriculture and environment. Waste Management, 2008, 28, 678-684.	7.4	40
33	Carbon mineralization dynamics in soils amended with meat meals under laboratory conditions. Waste Management, 2008, 28, 707-715.	7.4	3
34	Potential of olive mill wastes for soil C sequestration. Waste Management, 2008, 28, 767-773.	7.4	40
35	Chemical properties and hydrolytic enzyme activities for the characterisation of two-phase olive mill wastes composting. Bioresource Technology, 2008, 99, 4255-4262.	9.6	89
36	Soil application of meat and bone meal. Short-term effects on mineralization dynamics and soil biochemical and microbiological properties. Soil Biology and Biochemistry, 2008, 40, 462-474.	8.8	92

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37	Immobilisation of soil toxic metals by repeated additions of Fe(II) sulphate solution. Geoderma, 2008, 147, 133-140.	5.1	28
38	Enhanced soil toxic metal fixation in iron (hydr)oxides by redox cycles. Geoderma, 2007, 140, 164-175.	5.1	83
39	Dynamics of Carbon Mineralization and Biochemical Properties Following Application of Organic Residues to Soil. , 2007, , .		0
40	Greenhouse gas emissions and carbon sink capacity of amended soils evaluated under laboratory conditions. Soil Biology and Biochemistry, 2007, 39, 1366-1374.	8.8	31
41	Evaluation of Extracted Organic Carbon and Microbial Biomass as Stability Parameters in Ligno-Cellulosic Waste Composts. Journal of Environmental Quality, 2006, 35, 2313-2320.	2.0	22
42	Soil microbial biomass activation by trace amounts of readily available substrate. Biology and Fertility of Soils, 2006, 42, 542-549.	4.3	110
43	Effect of Inoculum Standardization on Community Level Physiological Profiles Of Compost Samples. Compost Science and Utilization, 2005, 13, 27-33.	1.2	4
44	Enzymatic activity as a parameter for the characterization of the composting process. Soil Biology and Biochemistry, 2004, 36, 1587-1594.	8.8	135
45	Land application of biosolids. Soil response to different stabilization degree of the treated organic matter. Waste Management, 2004, 24, 325-332.	7.4	174
46	Biofiltration at Composting Facilities:Â Effectiveness for Bioaerosol Control. Environmental Science & Technology, 2003, 37, 4299-4303.	10.0	42
47	Community level physiological profiling as a tool to evaluate compost maturity: a kinetic approach. European Journal of Soil Biology, 2003, 39, 141-148.	3.2	33
48	An Integrated Chemical, Thermal, and Microbiological Approach to Compost Stability Evaluation. Journal of Environmental Quality, 2003, 32, 2379-2386.	2.0	60
49	Response of microbial biomass to air-drying and rewetting in soils and compost. Geoderma, 2002, 105, 111-124.	5.1	46
50	Soil microbial biomass is triggered into activity by trace amounts of substrate. Soil Biology and Biochemistry, 2001, 33, 1163-1170.	8.8	403
51	Effects of Municipal Waste Leachate on Seed Germination in Soilâ€Compost Mixtures. Restoration Ecology, 1999, 7, 155-161.	2.9	24
52	Influence of inorganic and organic fertilization on soil microbial biomass, metabolic quotient and heavy metal bioavailability. Biology and Fertility of Soils, 1999, 28, 371-376.	4.3	133
53	Heavy Metal Content in Xylem Sap (Vitis Vinifera) from Mining and Smelting Areas. Environmental Monitoring and Assessment, 1998, 50, 189-200.	2.7	19
54	Adsorption of linuron and metamitron on soil and peats at two different decomposition stages. Journal of Soil Contamination, 1997, 6, 307-315.	0.5	9

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55	Carbon and ninhydrinâ€reactive nitrogen of the microbial biomass in rewetted compost samples. Communications in Soil Science and Plant Analysis, 1997, 28, 113-122.	1.4	17
56	Behaviour of metolachlor and terbuthylazine in cultivated field lysimeters. Zeitschrift Fur Pflanzenernahrung Und Bodenkunde = Journal of Plant Nutrition and Plant Science, 1996, 159, 177-182.	0.4	4
57	Changes during processing in the organic matter of composted and air-dried poultry manure. Bioresource Technology, 1996, 55, 243-249.	9.6	27
58	Investigation of the use of honey bees and honey bee products to assess heavy metals contamination. Environmental Monitoring and Assessment, 1996, 43, 1-9.	2.7	142
59	Analysis of intercellular cadmium forms in roots and leaves of bush bean. Journal of Plant Nutrition, 1996, 19, 527-533.	1.9	42
60	Bioavailability and effects of heavy metals on soil microbial biomass survival during laboratory incubation. Biology and Fertility of Soils, 1995, 19, 103-108.	4.3	170
61	Response ofleguminosaeto cadmium exposure. Journal of Plant Nutrition, 1993, 16, 2001-2012.	1.9	66
62	The soils of the eastern hilly area and their suitability to vineyard in Friuli (Italy). Zeitschrift Fur Pflanzenernahrung Und Bodenkunde = Journal of Plant Nutrition and Plant Science, 1993, 156, 163-168.	0.4	0
63	Fate of nitrogen (15N) from oxamide and urea applied to turf grass: A lysimeter study. Fertilizer Research, 1992, 33, 71-79.	0.5	15