Luigi Badalucco

List of Publications by Year
in descending order

52 papers	1,561 citations	257450 24 h-index	315739 38 g-index
52 all docs	52 docs citations	52 times ranked	1907 citing authors

#	Article	IF	Citations
1	Cellulolytic bacteria joined with deproteinized whey decrease carbon to nitrogen ratio and improve stability of compost from wine production chain by-products. Journal of Environmental Management, 2022, 304, 114194.	7.8	8
2	Roadmapping the Transition to Water Resource Recovery Facilities: The Two Demonstration Case Studies of Corleone and Marineo (Italy). Water (Switzerland), 2022, 14, 156.	2.7	3
3	Enhancing a Transition to a Circular Economy in the Water Sector: The EU Project WIDER UPTAKE. Water (Switzerland), 2021, 13, 946.	2.7	39
4	Long-term effects of contrasting tillage systems on soil C and N pools and on main microbial groups differ by crop sequence. Soil and Tillage Research, 2021, 211, 104995.	5.6	11
5	Ammonium adsorption, desorption and recovery by acid and alkaline treated zeolite. Bioresource Technology, 2021, 341, 125812.	9.6	34
6	Water Resource Recovery Facilities (WRRFs): The Case Study of Palermo University (Italy). Water (Switzerland), 2021, 13, 3413.	2.7	14
7	Wastewaters from citrus processing industry as natural biostimulants for soil microbial community. Journal of Environmental Management, 2020, 273, 111137.	7.8	13
8	Potential Effects of Essential Oils Extracted from Mediterranean Aromatic Plants on Target Weeds and Soil Microorganisms. Plants, 2020, 9, 1289.	3.5	24
9	Bioindicators and nutrient availability through whole soil profile under orange groves after long-term different organic fertilizations. SN Applied Sciences, 2019, 1, 1.	2.9	5
10	Some European green roof norms and guidelines through the lens of biodiversity: Do ecoregions and plant traits also matter?. Ecological Engineering, 2018, 115, 15-26.	3.6	56
11	Long-term effects of contrasting tillage on soil organic carbon, nitrous oxide and ammonia emissions in a Mediterranean Vertisol under different crop sequences. Science of the Total Environment, 2018, 619-620, 18-27.	8.0	32
12	Long-term no-tillage application increases soil organic carbon, nitrous oxide emissions and faba bean (Vicia faba L.) yields under rain-fed Mediterranean conditions. Science of the Total Environment, 2018, 639, 350-359.	8.0	47
13	Effects of tilling methods on soil penetration resistance, organic carbon and water stable aggregates in a vineyard of semiarid Mediterranean environment. Environmental Earth Sciences, 2018, 77, 1.	2.7	26
14	Soil Quality Indicators as Affected by Shallow Tillage in a Vineyard Grown in a Semiarid Mediterranean Environment. Land Degradation and Development, 2017, 28, 1038-1046.	3.9	25
15	Native and planted forest species determine different carbon and nitrogen pools in Arenosol developed on Holocene deposits from a costal Mediterranean area (Tuscany, Italy). Environmental Earth Sciences, 2016, 75, 1.	2.7	5
16	Effect of cobalt and silver nanoparticles and ions on Lumbricus rubellus health and on microbial community of earthworm faeces and soil. Applied Soil Ecology, 2016, 108, 62-71.	4.3	22
17	Soil profile dismantlement by land levelling and deep tillage damages soil functioning but not quality. Applied Soil Ecology, 2016, 107, 298-306.	4.3	17
18	Longâ€Term Tillage and Cropping System Effects on Chemical and Biochemical Characteristics of Soil Organic Matter in a Mediterranean Semiarid Environment. Land Degradation and Development, 2015, 26, 45-53.	3.9	111

#	Article	IF	Citations
19	Soil microbial biomass carbon and fatty acid composition of earthworm Lumbricus rubellus after exposure to engineered nanoparticles. Biology and Fertility of Soils, 2015, 51, 261-269.	4.3	29
20	Responses to increases in temperature of heterotrophic micro-organisms in soils from the maritime Antarctic. Polar Biology, 2015, 38, 1153-1160.	1.2	6
21	Dynamics of soil organic carbon pools after agricultural abandonment. Geoderma, 2014, 235-236, 191-198.	5.1	58
22	Soil carbon dynamics as affected by long-term contrasting cropping systems and tillages under semiarid Mediterranean climate. Applied Soil Ecology, 2014, 73, 140-147.	4.3	39
23	Natural Organic Compounds in Soil Solution: Potential Role as Soil Quality Indicators. Current Organic Chemistry, 2013, 17, 2991-2997.	1.6	27
24	Effects of afforestation with four unmixed plant species on the soilâ€“water interactions in a semiarid Mediterranean region (Sicily, Italy). Journal of Soils and Sediments, 2012, 12, 1222-1230.	3.0	27
25	Key Biochemical Attributes to Assess Soil Ecosystem Sustainability. , 2012, , 193-227.		8
26	Cadmium-induced changes in soil biochemical characteristics of oat (Avena sativa L.) rhizosphere during early growth stages. Soil Research, 2011, 49, 642.	1.1	8
27	Effects of compost input and tillage intensity on soil microbial biomass and activity under Mediterranean conditions. Biology and Fertility of Soils, 2011, 47, 63-70.	4.3	66
28	Reversing agriculture from intensive to sustainable improves soil quality in a semiarid South Italian soil. Biology and Fertility of Soils, 2010, 46, 481-489.	4.3	31
29	CPMAS 13C NMR Characterization of Leaves and Litters from the Reafforestated Area of Mustigarufi in Sicily (Italy)~!2009-06-15~!2009-12-07~!2010-06-18~!. The Open Magnetic Resonance Journal, 2010, 3, 89-95.	0.5	10
30	Soil chemical and biochemical properties of a salt-marsh alluvial Spanish area after long-term reclamation. Biology and Fertility of Soils, 2009, 45, 691-700.	4.3	45
31	Structural diversity and enzyme activity of volcanic soils at different stages of development and response to experimental disturbance. Soil Biology and Biochemistry, 2008, 40, 2182-2185.	8.8	16
32	Plant litter decomposition and microbial characteristics in volcanic soils (Mt Etna, Sicily) at different stages of development. Biology and Fertility of Soils, 2007, 43, 461-469.	4.3	29
33	Soil Carbon, Nitrogen and Phosphorus Dynamics as Affected by Solarization Alone or Combined with Organic Amendment. Plant and Soil, 2006, 279, 307-325.	3.7	48
34	Changes in chemical and biological soil properties as induced by anthropogenic disturbance: A case study of an agricultural soil under recurrent flooding by wastewaters. Soil Biology and Biochemistry, 2006, 38, 2069-2080.	8.8	61
35	Microbial Inoculants on Woody Legumes to Recover a Municipal Landfill Site. Water, Air and Soil Pollution, 2003, 3, 189-199.	0.8	12
36	Respiratory responses of soil micro-organisms to simple and complex organic substrates. Biology and Fertility of Soils, 2003, 37, 96-101.	4.3	22

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37	Use of sonication for measuring acid phosphatase activity in soil. Soil Biology and Biochemistry, 2000, 32, 825-832.	8.8	46
38	Title is missing!. Plant and Soil, 1999, 208, 43-56.	3.7	16
39	l-Methionine-sulphoximine affects N mineralisation-immobilisation in soil. Soil Biology and Biochemistry, 1999, 31, 253-259.	8.8	7
40	Do physical properties of soil affect chloroform efficiency in lysing microbial biomass?. Soil Biology and Biochemistry, 1997, 29, 1135-1142.	8.8	22
41	Available carbon in soil determined from substrate utilization kinetics: comparison of substrates and soil amendments. Journal of Microbiological Methods, 1997, 30, 43-47.	1.6	5
42	Synthesis and characterization of an acid phosphatase-polyresorcinol complex. Soil Biology and Biochemistry, 1996, 28, 1155-1161.	8.8	35
43	Protease and deaminase activities in wheat rhizosphere and their relation to bacterial and protozoan populations. Biology and Fertility of Soils, 1996, 23, 99-104.	4.3	4
44	Changes in inorganic N and CO2 evolution in soil induced by l-methionine-sulphoximine. Soil Biology and Biochemistry, 1995, 27, 1345-1351.	8.8	5
45	Activity and degradation of streptomycin and cycloheximide in soil. Biology and Fertility of Soils, 1994, 18, 334-340.	4.3	58
46	Effectiveness of antibiotics to distinguish the contributions of fungi and bacteria to net nitrogen mineralization, nitrification and respiration. Soil Biology and Biochemistry, 1993, 25, 1771-1778.	8.8	45
47	Biochemical characterization of soil organic compounds extracted by 0.5 m K2SO4 before and after chloroform fumigation. Soil Biology and Biochemistry, 1992, 24, 569-578.	8.8	83
48	Effect of liming on some chemical, biochemical, and microbiological properties of acid soils under spruce (Picea abies L.). Biology and Fertility of Soils, 1992, 14, 76-83.	4.3	113
49	Multiple forms of synthetic pronase-phenolic copolymers. Soil Biology and Biochemistry, 1990, 22, 721-724.	8.8	16
50	Microbial biomass and anthrone-reactive carbon in soils with different organic matter contents. Soil Biology and Biochemistry, 1990, 22, 899-904.	8.8	29
51	Short-term nitrogen reactions following the addition of urea to a grass-legume association. Soil Biology and Biochemistry, 1990, 22, 549-553.	8.8	29
52	A method to determine soil DNA and RNA. Soil Biology and Biochemistry, 1986, 18, 275-281.	8.8	14