

Claudio Ciavatta

List of Publications by Year in descending order

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70
papers

2,302
citations

172386

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233338

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71
docs citations

71
times ranked

2847
citing authors

#	ARTICLE	IF	CITATIONS
1	Biodegradable plastics: Effects on functionality and fertility of two different soils. <i>Applied Soil Ecology</i> , 2022, 169, 104216.	2.1	16
2	Fertilizer Potential of Organic-Based Soil Amendments on cv. Sangiovese (<i>V. vinifera</i> L.) Vines: Preliminary Results. <i>Agronomy</i> , 2022, 12, 1604.	1.3	2
3	Rotation and Fertilization Effects on Soil Quality and Yields in a Long Term Field Experiment. <i>Agronomy</i> , 2021, 11, 636.	1.3	11
4	New insights into organic carbon stabilization in soil macroaggregates: An in situ study by optical microscopy and SEM-EDS technique. <i>Geoderma</i> , 2021, 397, 115101.	2.3	14
5	Soil Response to Agricultural Land Abandonment: A Case Study of a Vineyard in Northern Italy. <i>Agronomy</i> , 2021, 11, 1841.	1.3	7
6	Conventional versus organic management: application of simple and complex indexes to assess soil quality. <i>Agriculture, Ecosystems and Environment</i> , 2021, 322, 107673.	2.5	14
7	Trace Metal Accumulation and Phytoremediation Potential of Four Crop Plants Cultivated on Pure Sewage Sludge. <i>Agronomy</i> , 2021, 11, 2456.	1.3	7
8	Fertilizing potential and CO ₂ emissions following the utilization of fresh and composted food-waste anaerobic digestates. <i>Science of the Total Environment</i> , 2020, 698, 134198.	3.9	44
9	A Nitrification Inhibitor, Nitrapyrin, Reduces Potential Nitrate Leaching through Soil Columns Treated with Animal Slurries and Anaerobic Digestate. <i>Agronomy</i> , 2020, 10, 865.	1.3	7
10	Rapid assessment of fertilizers manufacturing methods by means of a novel waveguide vector spectrometer. <i>Journal of Agricultural Engineering</i> , 2020, 51, 192-199.	0.7	1
11	Organic wastes as alternative sources of phosphorus for plant nutrition in a calcareous soil. <i>Waste Management</i> , 2019, 93, 34-46.	3.7	23
12	Current and residual phosphorous availability from compost in a ryegrass pot test. <i>Science of the Total Environment</i> , 2019, 677, 250-262.	3.9	10
13	Delivery systems for agriculture: Fe-EDDHSa/CaCO ₃ hybrid crystals as adjuvants for prevention of iron chlorosis. <i>Chemical Communications</i> , 2018, 54, 1635-1638.	2.2	6
14	Changes in soil phenol oxidase activities due to long-term application of compost and mineral N in a walnut orchard. <i>Geoderma</i> , 2018, 316, 70-77.	2.3	22
15	Advances in the determination of humification degree in peat since : Applications in geochemical and paleoenvironmental studies. <i>Earth-Science Reviews</i> , 2018, 185, 163-178.	4.0	50
16	Effect of iron sulphate on the phosphorus speciation from agro-industrial sludge based and sewage sludge based compost. <i>Waste Management</i> , 2017, 69, 353-359.	3.7	25
17	Highly anomalous accumulation rates of C and N recorded by a relic, free-floating peatland in Central Italy. <i>Scientific Reports</i> , 2017, 7, 43040.	1.6	22
18	What we talk about when we talk about protein hydrolyzate-based biostimulants. <i>AIMS Agriculture and Food</i> , 2017, 2, 221-232.	0.8	8

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19	Agronomic and environmental implications of using a By-Product of the Intermediate Tanning Processes as Nitrogen Fertilizer. <i>Scientia Agricola</i> , 2017, 74, 250-257.	0.6	0
20	Effect of humic monomers on the adsorption of sulfamethoxazole sulfonamide antibiotic into a high silica zeolite Y: An interdisciplinary study. <i>Chemosphere</i> , 2016, 155, 444-452.	4.2	44
21	Enhanced substrate degradation and methane yield with maleic acid pre-treatments in biomass crops and residues. <i>Biomass and Bioenergy</i> , 2016, 85, 306-312.	2.9	10
22	Ecological restoration of a copper polluted vineyard: Long-term impact of farmland abandonment on soil bio-chemical properties and microbial communities. <i>Journal of Environmental Management</i> , 2016, 182, 37-47.	3.8	33
23	Carbon sequestration and distribution in soil aggregate fractions under <i>Miscanthus</i> and giant reed in the Mediterranean area. <i>Soil and Tillage Research</i> , 2016, 163, 235-242.	2.6	19
24	Fate of N in soil amended with ¹⁵ N-labelled residues of winter cereals combined with an organic N fertiliser. <i>Soil Research</i> , 2016, 54, 182.	0.6	5
25	Relationships between stability, maturity, water-extractable organic matter of municipal sewage sludge composts and soil functionality. <i>Environmental Science and Pollution Research</i> , 2015, 22, 13393-13403.	2.7	19
26	Structural and Thermal Investigation of Three Agricultural Biomasses Following Mild-NaOH Pretreatment to Increase Anaerobic Biodegradability. <i>Waste and Biomass Valorization</i> , 2015, 6, 1135-1148.	1.8	9
27	Phosphorus in Digestate-Based Compost: Chemical Speciation and Plant-Availability. <i>Waste and Biomass Valorization</i> , 2015, 6, 481-493.	1.8	32
28	Mild alkaline pre-treatments loosen fibre structure enhancing methane production from biomass crops and residues. <i>Biomass and Bioenergy</i> , 2014, 71, 318-329.	2.9	44
29	Microplate-scale fluorometric soil enzyme assays as tools to assess soil quality in a long-term agricultural field experiment. <i>Applied Soil Ecology</i> , 2014, 75, 80-85.	2.1	75
30	Anaerobic digestion of annual and multi-annual biomass crops. <i>Industrial Crops and Products</i> , 2014, 56, 137-144.	2.5	45
31	Recycling of Dry-Batch Digestate as Amendment: Soil C and N Dynamics and Ryegrass Nitrogen Utilization Efficiency. <i>Waste and Biomass Valorization</i> , 2014, 5, 823-833.	1.8	16
32	Changes in the functional properties of a sandy loam soil amended with biosolids at different application rates. <i>Geoderma</i> , 2014, 221-222, 40-49.	2.3	24
33	Chemical and microbiological soil quality indicators and their potential to differentiate fertilization regimes in temperate agroecosystems. <i>Applied Soil Ecology</i> , 2013, 64, 32-48.	2.1	129
34	Unraveling the long-term stabilization mechanisms of organic materials in soils by physical fractionation and NMR spectroscopy. <i>Agriculture, Ecosystems and Environment</i> , 2013, 171, 9-18.	2.5	87
35	STABILITY, NITROGEN MINERALIZATION CAPACITY AND AGRONOMIC VALUE OF COMPOST-BASED GROWING MEDIA FOR LETTUCE CULTIVATION. <i>Journal of Plant Nutrition</i> , 2012, 35, 704-725.	0.9	1
36	Soil Application of Tannery Land Plaster: Effects on Nitrogen Mineralization and Soil Biochemical Properties. <i>Applied and Environmental Soil Science</i> , 2012, 2012, 1-9.	0.8	5

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37	Predicting long-term organic carbon dynamics in organically amended soils using the CQESTR model. <i>Journal of Soils and Sediments</i> , 2012, 12, 486-493.	1.5	17
38	Nitrogen release from a 15 N-labeled compost in a sorghum growth experiment. <i>Journal of Plant Nutrition and Soil Science</i> , 2011, 174, 240-248.	1.1	13
39	Potential nitrogen mineralization, plant utilization efficiency and soil CO ₂ emissions following the addition of anaerobic digested slurries. <i>Biomass and Bioenergy</i> , 2011, 35, 4619-4629.	2.9	52
40	The evaluation of stability during the composting of different starting materials: Comparison of chemical and biological parameters. <i>Chemosphere</i> , 2011, 83, 41-48.	4.2	47
41	Rates of production of hydroxyl radicals and singlet oxygen from irradiated compost. <i>Chemosphere</i> , 2011, 85, 630-636.	4.2	23
42	Photoreactivity of humic substances: relationship between fluorescence and singlet oxygen production. <i>Environmental Chemistry Letters</i> , 2011, 9, 447-451.	8.3	47
43	Soil Respiration and Nitrogen Mineralization Kinetics of Compost and Vinasse Fertilized Soil in an Aerobic Liquid-Based Incubation. <i>Environmental Engineering Science</i> , 2010, 27, 65-73.	0.8	1
44	Ureic Nitrogen Transformation in Multi-Layer Soil Columns Treated with Urease and Nitrification Inhibitors. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 4883-4887.	2.4	14
45	Biostimulant activity of two protein hydrolyzates in the growth and nitrogen metabolism of maize seedlings. <i>Journal of Plant Nutrition and Soil Science</i> , 2009, 172, 237-244.	1.1	258
46	Relationship between Photosensitizing and Emission Properties of Peat Humic Acid Fractions Obtained by Tangential Ultrafiltration. <i>Environmental Science & Technology</i> , 2009, 43, 4348-4354.	4.6	39
47	Structural differences of Chernozem soil humic acids SEC-PAGE fractions revealed by thermal (TG-DTA) and spectroscopic (DRIFT) analyses. <i>Geoderma</i> , 2009, 152, 264-268.	2.3	33
48	Evaluation of photochemical properties of compost humic-like materials. <i>Bioresource Technology</i> , 2008, 99, 5090-5093.	4.8	6
49	Electrofocusing the compost organic matter obtained by coupling SEC-PAGE. <i>Bioresource Technology</i> , 2008, 99, 4360-4367.	4.8	5
50	Vector analysis in the study of the nutritional status of <i>Philodendron</i> cultivated in compost-based media. <i>Scientia Horticulturae</i> , 2007, 112, 448-455.	1.7	9
51	Spectroscopic approach for elucidation of structural peculiarities of Andisol soil humic acid fractionated by SEC-PAGE setup. <i>Geoderma</i> , 2007, 142, 210-216.	2.3	35
52	A multivariate approach to the study of the composting process by means of analytical electrofocusing. <i>Waste Management</i> , 2007, 27, 1072-1082.	3.7	7
53	Compost-based growing media: Influence on growth and nutrient use of bedding plants. <i>Bioresource Technology</i> , 2007, 98, 3526-3534.	4.8	126
54	TG-DTA, DRIFT and NMR characterisation of humic-like fractions from olive wastes and amended soil. <i>Journal of Hazardous Materials</i> , 2007, 149, 408-417.	6.5	43

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55	Fate of ¹⁵ N derived from soil decomposition of abscised leaves and pruning wood from apple (<i>Malus</i>) Tj ETQq1 1 0.784314 rgBT /Ove	0.8	20
56	Organic wastes in soils: Biogeochemical and environmental aspects. <i>Soil Biology and Biochemistry</i> , 2007, 39, 1239-1243.	4.2	33
57	A standardized method for the determination of the intrinsic carbon and nitrogen mineralization capacity of natural organic matter sources. <i>Soil Biology and Biochemistry</i> , 2007, 39, 1493-1503.	4.2	37
58	Photosensitizing Properties of Protein Hydrolysate-Based Fertilizers. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 9160-9167.	2.4	31
59	Dynamics of Mineral Nitrogen in Soils Treated with Slow-Release Fertilizers. <i>Communications in Soil Science and Plant Analysis</i> , 2006, 37, 1-12.	0.6	40
60	Humic-like substances extracted from composts can promote the photodegradation of Irgarol 1051 in solar light. <i>Chemosphere</i> , 2006, 62, 1021-1027.	4.2	30
61	Thermal analysis (TG-DTA) and isotopic characterization (¹³ C- ¹⁵ N) of humic acids from different origins. <i>Applied Geochemistry</i> , 2005, 20, 537-544.	1.4	91
62	Evolution of organic matter from sewage sludge and garden trimming during composting. <i>Bioresource Technology</i> , 2004, 91, 163-169.	4.8	74
63	Nitrogen fertilizer value of sewage sludge co-composts. <i>Agronomy for Sustainable Development</i> , 2004, 24, 487-492.	0.8	17
64	Combined effect of water and organic matter on phosphorus availability in calcareous soils. <i>Nutrient Cycling in Agroecosystems</i> , 2003, 67, 67-74.	1.1	37
65	Determination of free l- and d-alanine in hydrolysed protein fertilisers by capillary electrophoresis. <i>Journal of Chromatography A</i> , 2003, 985, 463-469.	1.8	17
66	Capillary zone electrophoresis of soil humic acid fractions obtained by coupling size-exclusion chromatography and polyacrylamide gel electrophoresis. <i>Journal of Chromatography A</i> , 2003, 983, 263-270.	1.8	16
67	Activity and stability of jack bean urease in the presence of peat humic acids obtained using different extractants. <i>Biology and Fertility of Soils</i> , 2000, 32, 415-420.	2.3	17
68	SPECTROSCOPIC CHARACTERIZATION OF SOIL ORGANIC MATTER IN LONG-TERM AMENDMENT TRIALS. <i>Soil Science</i> , 2000, 165, 495-504.	0.9	48
69	Determination of organic carbon in aqueous extracts of soils and fertilizers. <i>Communications in Soil Science and Plant Analysis</i> , 1991, 22, 795-807.	0.6	107
70	Interference of Soluble Silica in the Determination of Orthophosphate-Phosphorus. <i>Journal of Environmental Quality</i> , 1990, 19, 761-764.	1.0	25