

# Ornella Francioso

## List of Publications by Citations

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60  
papers

2,079  
citations

25  
h-index

45  
g-index

60  
ext. papers

2,555  
ext. citations

4.4  
avg, IF

5  
L-index

#	Paper	IF	Citations
60	Humic substances biological activity at the plant-soil interface: from environmental aspects to molecular factors. <i>Plant Signaling and Behavior</i> , <b>2010</b> , 5, 635-43	2.5	192
59	Effect of low molecular size humic substances on nitrate uptake and expression of genes involved in nitrate transport in maize ( <i>Zea mays</i> L.). <i>Journal of Experimental Botany</i> , <b>2004</b> , 55, 803-13	7	177
58	High molecular size humic substances enhance phenylpropanoid metabolism in maize ( <i>Zea mays</i> L.). <i>Journal of Chemical Ecology</i> , <b>2010</b> , 36, 662-9	2.7	115
57	<i>Capsicum chinensis</i> L. growth and nutraceutical properties are enhanced by biostimulants in a long-term period: chemical and metabolomic approaches. <i>Frontiers in Plant Science</i> , <b>2014</b> , 5, 375	6.2	103
56	Recent applications of vibrational mid-Infrared (IR) spectroscopy for studying soil components: a review. <i>Journal of Central European Agriculture</i> , <b>2015</b> , 16, 1-22	1.3	96
55	Nature and reactivity of charcoal produced and added to soil during wildfire are particle-size dependent. <i>Organic Geochemistry</i> , <b>2010</b> , 41, 682-689	3.1	91
54	Chemical characterization of municipal wastewater sludges produced by two-phase anaerobic digestion for biogas production. <i>Journal of Hazardous Materials</i> , <b>2010</b> , 175, 740-6	12.8	89
53	Effect of commercial lignosulfonate-humate on <i>Zea mays</i> L. metabolism. <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 11940-8	5.7	84
52	Characterization of chemical, physical, structural and morphological properties of biochars from biowastes produced at different temperatures. <i>Journal of Soils and Sediments</i> , <b>2015</b> , 15, 792-804	3.4	79
51	Thermal analysis (TGA/DTA) and isotopic characterization ( $^{13}\text{C}$ / $^{15}\text{N}$ ) of humic acids from different origins. <i>Applied Geochemistry</i> , <b>2005</b> , 20, 537-544	3.5	75
50	Evaluation of Seaweed Extracts From <i>Ulva</i> spp. as Biostimulants in <i>L. sativum</i> . Using a Combination of Chemical, Biochemical and Morphological Approaches. <i>Frontiers in Plant Science</i> , <b>2018</b> , 9, 428	6.2	71
49	Biological Activity of Humic Substances Is Related to Their Chemical Structure. <i>Soil Science Society of America Journal</i> , <b>2007</b> , 71, 75-85	2.5	65
48	Soil-Plant cross-talking: The role of humic substances. <i>Journal of Plant Nutrition and Soil Science</i> , <b>2017</b> , 180, 5-13	2.3	57
47	Isopentenyladenosine and cytokinin-like activity of different humic substances. <i>Journal of Geochemical Exploration</i> , <b>2013</b> , 129, 70-75	3.8	53
46	Structural characterization of charcoal size-fractions from a burnt <i>Pinus pinea</i> forest by FT-IR, Raman and surface-enhanced Raman spectroscopies. <i>Journal of Molecular Structure</i> , <b>2011</b> , 994, 155-162	3.4	52
45	Spontaneous aggregation of humic acid observed with AFM at different pH. <i>Chemosphere</i> , <b>2015</b> , 138, 821-8	8.4	48
44	Capillary gas chromatographic determination of free amino acids in honey as a means of discrimination between different botanical sources. <i>Journal of High Resolution Chromatography</i> , <b>1992</b> , 15, 165-170		46

43	SPECTROSCOPIC CHARACTERIZATION OF SOIL ORGANIC MATTER IN LONG-TERM AMENDMENT TRIALS. <i>Soil Science</i> , <b>2000</b> , 165, 495-504	0.9	45
42	Biological Activity of Vegetal Extracts Containing Phenols on Plant Metabolism. <i>Molecules</i> , <b>2016</b> , 21,	4.8	39
41	TG-DTA, DRIFT and NMR characterisation of humic-like fractions from olive wastes and amended soil. <i>Journal of Hazardous Materials</i> , <b>2007</b> , 149, 408-17	12.8	38
40	Biostimulant activity of humic substances extracted from leonardites. <i>Plant and Soil</i> , <b>2017</b> , 420, 119-134	4.2	34
39	DRIFT and HR MAS NMR characterization of humic substances from a soil treated with different organic and mineral fertilizers. <i>Journal of Molecular Structure</i> , <b>2011</b> , 998, 216-224	3.4	34
38	Structural differences of Chernozem soil humic acids SECPAGE fractions revealed by thermal (TGDTA) and spectroscopic (DRIFT) analyses. <i>Geoderma</i> , <b>2009</b> , 152, 264-268	6.7	31
37	Chemical Structure and Biological Activity of Humic Substances Define Their Role as Plant Growth Promoters. <i>Molecules</i> , <b>2021</b> , 26,	4.8	28
36	Relic charcoal hearth soils: A neglected carbon reservoir. Case study at Marsiliana forest, Central Italy. <i>Geoderma</i> , <b>2018</b> , 315, 88-95	6.7	26
35	Characterization of Humic Carbon in Soil Aggregates in a Long-term Experiment with Manure and Mineral Fertilization. <i>Soil Science Society of America Journal</i> , <b>2012</b> , 76, 880-890	2.5	24
34	Application of thermal and spectroscopic techniques to assess fire-induced changes to soil organic matter in a Mediterranean forest. <i>Journal of Geochemical Exploration</i> , <b>2014</b> , 143, 174-182	3.8	23
33	Effects of humic substances and indole-3-acetic acid on Arabidopsis sugar and amino acid metabolic profile. <i>Plant and Soil</i> , <b>2018</b> , 426, 17-32	4.2	21
32	Structural characterization of humic-like substances with conventional and surface-enhanced spectroscopic techniques. <i>Journal of Molecular Structure</i> , <b>2010</b> , 982, 169-175	3.4	18
31	Effects of Two Protein Hydrolysates Obtained From Chickpea (L.) and on (L.) Plants. <i>Frontiers in Plant Science</i> , <b>2019</b> , 10, 954	6.2	17
30	Land Use Affects the Soil C Sequestration in Alpine Environment, NE Italy. <i>Forests</i> , <b>2017</b> , 8, 197	2.8	15
29	Snow vole ( <i>Chionomys nivalis</i> Martins) affects the redistribution of soil organic matter and hormone-like activity in the alpine ecosystem: ecological implications. <i>Ecology and Evolution</i> , <b>2015</b> , 5, 4542-54	2.8	15
28	Soil pyrogenic organic matter characterisation by spectroscopic analysis: a study on combustion and pyrolysis residues. <i>Journal of Soils and Sediments</i> , <b>2015</b> , 15, 769-780	3.4	15
27	Size fractionation as a tool for separating charcoal of different fuel source and recalcitrance in the wildfire ash layer. <i>Science of the Total Environment</i> , <b>2017</b> , 595, 461-471	10.2	13
26	Metabolite-Targeted Analysis and Physiological Traits of <i>Zea mays</i> L. in Response to Application of a Leonardite-Humate and Lignosulfonate-Based Products for Their Evaluation as Potential Biostimulants. <i>Agronomy</i> , <b>2019</b> , 9, 445	3.6	13

25	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> , <b>2000</b> , 32, 415-420	6.1	12
24	Spectroscopic-Chemical Fingerprint and Biostimulant Activity of a Protein-Based Product in Solid Form. <i>Molecules</i> , <b>2018</b> , 23,	4.8	11
23	Soil porosity in physically separated fractions and its role in SOC protection. <i>Journal of Soils and Sediments</i> , <b>2017</b> , 17, 70-84	3.4	10
22	Structural characteristics of Hayward Kiwifruits from elephantiasis-affected plants studied by DRIFT, FT-Raman, NMR, and SEM techniques. <i>Journal of Agricultural and Food Chemistry</i> , <b>2009</b> , 57, 4827-32	5.7	10
21	Bioactivity of Size-Fractionated and Unfractionated Humic Substances From Two Forest Soils and Comparative Effects on N and S Metabolism, Nutrition, and Root Anatomy of L. <i>Frontiers in Plant Science</i> , <b>2020</b> , 11, 1203	6.2	10
20	Preliminary Study on the Activity of Phycobiliproteins against. <i>Marine Drugs</i> , <b>2020</b> , 18,	6	8
19	Mineral Content and Root Respiration of In Vitro Grown Kiwifruit Plantlets Treated with Two Humic Fractions. <i>Journal of Plant Nutrition</i> , <b>2008</b> , 31, 1074-1090	2.3	7
18	Effects of moderate and high rates of biochar and compost on grapevine growth in a greenhouse experiment. <i>AIMS Agriculture and Food</i> , <b>2017</b> , 2, 113-128	1.2	7
17	Automated image analysis and hyperspectral imagery with enhanced dark field microscopy applied to biochars produced at different temperatures. <i>Waste Management</i> , <b>2020</b> , 105, 457-466	8.6	6
16	Structural and Thermal Investigation of Three Agricultural Biomasses Following Mild-NaOH Pretreatment to Increase Anaerobic Biodegradability. <i>Waste and Biomass Valorization</i> , <b>2015</b> , 6, 1135-1148	3.2	6
15	Effect of a peat humic acid on morphogenesis in leaf explants of <i>Pyrus communis</i> and <i>Cydonia oblonga</i> . Metabolomic analysis at an early stage of regeneration. <i>Journal of Agricultural and Food Chemistry</i> , <b>2013</b> , 61, 4979-87	5.7	6
14	Stimulated Adsorption of Humic Acids on Capped Plasmonic Ag Nanoparticles Investigated by Surface-Enhanced Optical Techniques. <i>Langmuir</i> , <b>2019</b> , 35, 4518-4526	4	6
13	Effect of waterlogging on soil biochemical properties and organic matter quality in different salt marsh systems. <i>Geoderma</i> , <b>2019</b> , 338, 302-312	6.7	6
12	Cyanobacteria: A Natural Source for Controlling Agricultural Plant Diseases Caused by Fungi and Oomycetes and Improving Plant Growth. <i>Horticulturae</i> , <b>2022</b> , 8, 58	2.5	5
11	How will a drier climate change carbon sequestration in soils of the deciduous forests of Central Europe?. <i>Biogeochemistry</i> , <b>2021</b> , 152, 13-32	3.8	4
10	Effectiveness of Humic Substances and Phenolic Compounds in Regulating Plant-Biological Functionality. <i>Agronomy</i> , <b>2020</b> , 10, 1553	3.6	3
9	Degradative Ability of Mushrooms Cultivated on Corn Silage Digestate. <i>Molecules</i> , <b>2020</b> , 25,	4.8	3
8	Tomato seed biopriming with water extracts from <i>Anabaena minutissima</i> , <i>Ecklonia maxima</i> and <i>Jania adhaerens</i> as a new agro-ecological option against <i>Rhizoctonia solani</i> . <i>Scientia Horticulturae</i> , <b>2021</b> , 281, 109921	4.1	3

7	Manure Fertilization Gives High-Quality Earthworm Coprolites with Positive Effects on Plant Growth and N Metabolism. <i>Agronomy</i> , <b>2019</b> , 9, 659	3.6	3
6	Valorization of Hazelnut Shells as Growing Substrate for Edible and Medicinal Mushrooms. <i>Horticulturae</i> , <b>2022</b> , 8, 214	2.5	3
5	Mini review: fruit residues as plant biostimulants for bio-based product recovery. <i>AIMS Agriculture and Food</i> , <b>2017</b> , 2, 251-257	1.2	2
4	Wood-Based Compost Affects Soil Fertility and the Content of Available Forms of Nutrients in Vineyard and Field-Scale Agroecosystems. <i>Agronomy</i> , <b>2021</b> , 11, 518	3.6	2
3	Sensing Atrazine Herbicide Degradation Products through Their Interactions with Humic Substances by Surface-Enhanced Raman Scattering. <i>Chemosensors</i> , <b>2021</b> , 9, 148	4	2
2	Assessing the Potential of the Terrestrial Cyanobacterium <i>Anabaena minutissima</i> for Controlling <i>Botrytis cinerea</i> on Tomato Fruits. <i>Horticulturae</i> , <b>2021</b> , 7, 210	2.5	2
1	Assessment of the Short-Term Impact of Anaerobic Digestate on Soil C Stock and CO <sub>2</sub> Emissions in Shallow Water Table Conditions. <i>Agronomy</i> , <b>2022</b> , 12, 504	3.6	0