

Vincenza Cozzolino

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

40 papers	1,103 citations	21 h-index	32 g-index
41 ext. papers	1,369 ext. citations	6.2 avg, IF	4.55 L-index

#	Paper	IF	Citations
40	Bioactivity of two different humic materials and their combination on plants growth as a function of their molecular properties. <i>Plant and Soil</i> , 2022 , 472, 509	4.2	1
39	Antibacterial and antioxidant properties of humic substances from composted agricultural biomasses. <i>Chemical and Biological Technologies in Agriculture</i> , 2022 , 9,	4.4	5
38	Valorization of lignins from energy crops and agro-industrial byproducts as antioxidant and antibacterial materials. <i>Journal of the Science of Food and Agriculture</i> , 2021 ,	4.3	5
37	Humic substances from green compost increase bioactivity and antibacterial properties of essential oils in Basil leaves. <i>Chemical and Biological Technologies in Agriculture</i> , 2021 , 8,	4.4	8
36	Cooperation among phosphate-solubilizing bacteria, humic acids and arbuscular mycorrhizal fungi induces soil microbiome shifts and enhances plant nutrient uptake. <i>Chemical and Biological Technologies in Agriculture</i> , 2021 , 8,	4.4	5
35	Molecular characterization of soil organic matter and its extractable humic fraction from long-term field experiments under different cropping systems. <i>Geoderma</i> , 2021 , 383, 114700	6.7	8
34	Bioactivity and antimicrobial properties of chemically characterized compost teas from different green composts. <i>Waste Management</i> , 2021 , 120, 98-107	8.6	15
33	Quantitative Structure-Activity Relationship of Humic-Like Biostimulants Derived From Agro-Industrial Byproducts and Energy Crops. <i>Frontiers in Plant Science</i> , 2020 , 11, 581	6.2	19
32	Soil Amendments with Lignocellulosic Residues of Biorefinery Processes Affect Soil Organic Matter Accumulation and Microbial Growth. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 3381-3391	8.3	5
31	The Form of N Supply Determines Plant Growth Promotion by P-Solubilizing Microorganisms in Maize. <i>Microorganisms</i> , 2019 , 7,	4.9	27
30	High-Resolution Magic-Angle-Spinning NMR and Magnetic Resonance Imaging Spectroscopies Distinguish Metabolome and Structural Properties of Maize Seeds from Plants Treated with Different Fertilizers and Arbuscular mycorrhizal fungi. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 2560-2568	5.7	7
29	Effective carbon sequestration in Italian agricultural soils by in situ polymerization of soil organic matter under biomimetic photocatalysis. <i>Land Degradation and Development</i> , 2018 , 29, 485-494	4.4	21
28	Effects of microbial bioeffectors and P amendements on P forms in a maize cropped soil as evaluated by ³¹ P NMR spectroscopy. <i>Plant and Soil</i> , 2018 , 427, 87-104	4.2	9
27	Replacing calcium with ammonium counterion in lignosulfonates from paper mills affects their molecular properties and bioactivity. <i>Science of the Total Environment</i> , 2018 , 645, 411-418	10.2	12
26	Effects of <i>Bacillus amyloliquefaciens</i> and different phosphorus sources on Maize plants as revealed by NMR and GC-MS based metabolomics. <i>Plant and Soil</i> , 2018 , 429, 437-450	4.2	26
25	Molecular composition of the Humeome extracted from different green composts and their biostimulation on early growth of maize. <i>Plant and Soil</i> , 2018 , 429, 407-424	4.2	26
24	An alternative to mineral phosphorus fertilizers: The combined effects of <i>Trichoderma harzianum</i> and compost on <i>Zea mays</i> , as revealed by ¹ H NMR and GC-MS metabolomics. <i>PLoS ONE</i> , 2018 , 13, e0209664	2.7	33

23	The Molecular Composition of Humus Carbon: Recalcitrance and Reactivity in Soils 2018 , 87-124		19
22	Molecular characteristics of water-extractable organic matter from different composted biomasses and their effects on seed germination and early growth of maize. <i>Science of the Total Environment</i> , 2017 , 590-591, 40-49	10.2	41
21	Humic-Like Water-Soluble Lignins from Giant Reed (<i>Arundo donax</i> L.) Display Hormone-Like Activity on Plant Growth. <i>Journal of Plant Growth Regulation</i> , 2017 , 36, 995-1001	4.7	24
20	Potential of three microbial bio-effectors to promote maize growth and nutrient acquisition from alternative phosphorous fertilizers in contrasting soils. <i>Chemical and Biological Technologies in Agriculture</i> , 2017 , 4,	4.4	33
19	Molecular Characterization of Extracts from Biorefinery Wastes and Evaluation of Their Plant Biostimulation. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 9023-9031	8.3	21
18	In situ polymerization of soil organic matter by oxidative biomimetic catalysis. <i>Chemical and Biological Technologies in Agriculture</i> , 2017 , 4,	4.4	6
17	The molecular characteristics of compost affect plant growth, arbuscular mycorrhizal fungi, and soil microbial community composition. <i>Biology and Fertility of Soils</i> , 2016 , 52, 15-29	6.1	64
16	Molecular Properties and Functions of Humic Substances and Humic-Like Substances (HULIS) from Biomass and Their Transformation Products 2016 , 85-114		3
15	Humic-like bioactivity on emergence and early growth of maize (<i>Zea mays</i> L.) of water-soluble lignins isolated from biomass for energy. <i>Plant and Soil</i> , 2016 , 402, 221-233	4.2	36
14	Optimized procedure for the determination of P species in soil by liquid-state ³¹ P-NMR spectroscopy. <i>Chemical and Biological Technologies in Agriculture</i> , 2015 , 2, 7	4.4	10
13	Water-Soluble Lignins from Different Bioenergy Crops Stimulate the Early Development of Maize (<i>Zea mays</i> , L.). <i>Molecules</i> , 2015 , 20, 19958-70	4.8	28
12	Impact of arbuscular mycorrhizal fungi applications on maize production and soil phosphorus availability. <i>Journal of Geochemical Exploration</i> , 2013 , 129, 40-44	3.8	58
11	Influence of compost on the mobility of arsenic in soil and its uptake by bean plants (<i>Phaseolus vulgaris</i> L.) irrigated with arsenite-contaminated water. <i>Journal of Environmental Management</i> , 2013 , 128, 837-43	7.9	28
10	Molecular evaluation of soil organic matter characteristics in three agricultural soils by improved off-line thermochemolysis: the effect of hydrofluoric acid demineralisation treatment. <i>Analytica Chimica Acta</i> , 2013 , 802, 46-55	6.6	34
9	Higher sorption of arsenate versus arsenite on amorphous Al-oxide, effect of ligands. <i>Environmental Chemistry Letters</i> , 2013 , 11, 289-294	13.3	25
8	Adsorption of Cu and Pb on Goethite in the Presence of Low-Molecular Mass Aliphatic Acids. <i>Geomicrobiology Journal</i> , 2011 , 28, 582-589	2.5	11
7	Sorption of Cu on a Fe-deformed montmorillonite complex: Effect of pH, ionic strength, competitor heavy metal, and inorganic and organic ligands. <i>Applied Clay Science</i> , 2011 , 52, 339-344	5.2	18
6	Sorption of Cu, Pb and Cr on Na-montmorillonite: competition and effect of major elements. <i>Chemosphere</i> , 2011 , 84, 484-9	8.4	50

5	Sorption of arsenite and arsenate on ferrihydrite: effect of organic and inorganic ligands. <i>Journal of Hazardous Materials</i> , 2011 , 189, 564-71	12.8	89
4	Competitive sorption of copper(II), chromium(III) and lead(II) on ferrihydrite and two organomineral complexes. <i>Geoderma</i> , 2010 , 159, 409-416	6.7	64
3	Influence of Phosphate on the Arsenic Uptake by Wheat (<i>Triticum durum</i> L.) Irrigated with Arsenic Solutions at Three Different Concentrations. <i>Water, Air, and Soil Pollution</i> , 2009 , 197, 371-380	2.6	78
2	Sorption/desorption of arsenate on/from Mg-Al layered double hydroxides: influence of phosphate. <i>Journal of Colloid and Interface Science</i> , 2009 , 333, 63-70	9.3	88
1	Coprecipitation of arsenate with metal oxides. 3. Nature, mineralogy, and reactivity of iron(III)-aluminum precipitates. <i>Environmental Science & Technology</i> , 2009 , 43, 1515-21	10.3	41