

Vincenza Cozzolino

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2065583/vincenza-cozzolino-publications-by-citations.pdf>
Version: 2024-04-05

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
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	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
39	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
38	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
37	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
36	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
35	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
34	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
33	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
32	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
31	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
30	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
29	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
28	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	3.7	33
27	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
26	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
25	The Form of N Supply Determines Plant Growth Promotion by P-Solubilizing Microorganisms in Maize. <i>Microorganisms</i> , 2019 , 7,	4.9	27
24	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

23	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
22	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
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	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
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	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
17	The Molecular Composition of Humus Carbon: Recalcitrance and Reactivity in Soils 2018 , 87-124		19
16	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
15	Bioactivity and antimicrobial properties of chemically characterized compost teas from different green composts. <i>Waste Management</i> , 2021 , 120, 98-107	8.6	15
14	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
13	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
12	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
11	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
10	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
9	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
8	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, 2580-2588	5.7	7
7	In situ polymerization of soil organic matter by oxidative biomimetic catalysis. <i>Chemical and Biological Technologies in Agriculture</i> , 2017 , 4,	4.4	6
6	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

5	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
4	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
3	Antibacterial and antioxidant properties of humic substances from composted agricultural biomasses. <i>Chemical and Biological Technologies in Agriculture</i> , 2022 , 9,	4.4	5
2	Molecular Properties and Functions of Humic Substances and Humic-Like Substances (HULIS) from Biomass and Their Transformation Products 2016 , 85-114		3
1	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