

Tanja Mimmo

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3533070/tanja-mimmo-publications-by-year.pdf>

Version: 2024-04-23

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.

119
papers

3,102
citations

29
h-index

51
g-index

125
ext. papers

4,160
ext. citations

5.2
avg, IF

5.4
L-index

#	Paper	IF	Citations
119	Plant species and pH dependent responses to copper toxicity. <i>Environmental and Experimental Botany</i> , 2022 , 196, 104791	5.9	3
118	Applications of the indole-alkaloid gramine modulate the assembly of individual members of the barley rhizosphere microbiota.. <i>PeerJ</i> , 2021 , 9, e12498	3.1	1
117	Epiphytic Microbial Community and Post-Harvest Characteristics of Strawberry Fruits as Affected by Plant Nutritional Regime with Silicon. <i>Agronomy</i> , 2021 , 11, 2407	3.6	1
116	Potential Use of Copper-Contaminated Soils for Hemp (<i>Cannabis sativa</i> L.) Cultivation. <i>Environments - MDPI</i> , 2021 , 8, 111	3.2	2
115	The effect of earthworms on plant response in metal contaminated soil focusing on belowground-aboveground relationships. <i>Environmental Pollution</i> , 2021 , 274, 116499	9.3	1
114	Supervised binary classification methods for strawberry ripeness discrimination from bioimpedance data. <i>Scientific Reports</i> , 2021 , 11, 11202	4.9	3
113	Millimetre-resolution mapping of citrate exuded from soil-grown roots using a novel, low-invasive sampling technique. <i>Journal of Experimental Botany</i> , 2021 , 72, 3513-3525	7	2
112	Evaluating the Aqueous Phase From Hydrothermal Carbonization of Cow Manure Digestate as Possible Fertilizer Solution for Plant Growth. <i>Frontiers in Plant Science</i> , 2021 , 12, 687434	6.2	6
111	Interaction Between Sulfur and Iron in Plants. <i>Frontiers in Plant Science</i> , 2021 , 12, 670308	6.2	7
110	Inoculation with plant growth-promoting bacteria alters the rhizosphere functioning of tomato plants. <i>Applied Soil Ecology</i> , 2021 , 158, 103784	5	13
109	Dynamics of bacterial communities and substrate conversion during olive-mill waste dark fermentation: Prediction of the metabolic routes for hydrogen production. <i>Bioresource Technology</i> , 2021 , 319, 124157	11	6
108	Phytotoxicity of hydrochars obtained by hydrothermal carbonization of manure-based digestate. <i>Journal of Environmental Management</i> , 2021 , 280, 111635	7.9	16
107	Bioinoculants as Promising Complement of Chemical Fertilizers for a More Sustainable Agricultural Practice. <i>Frontiers in Sustainable Food Systems</i> , 2021 , 4,	4.8	5
106	Disentangling the Possible Drivers of Microbiome: A Threatened Lemur Species of Madagascar. <i>Frontiers in Microbiology</i> , 2021 , 12, 668274	5.7	0
105	Can Inoculation With the Bacterial Biostimulant sp. Strain 15S Be an Approach for the Smarter P Fertilization of Maize and Cucumber Plants?. <i>Frontiers in Plant Science</i> , 2021 , 12, 719873	6.2	1
104	The adaptive metabolomic profile and functional activity of tomato rhizosphere are revealed upon PGPB inoculation under saline stress. <i>Environmental and Experimental Botany</i> , 2021 , 189, 104552	5.9	5
103	The hidden effects of agrochemicals on plant metabolism and root-associated microorganisms. <i>Plant Science</i> , 2021 , 311, 111012	5.3	2

102	Soil heterogeneity within a vineyard impacts the beta but not the alpha microbial agro-diversity. <i>Applied Soil Ecology</i> , 2021 , 166, 104088	5	2
101	I Like the Way You Eat It: Lemur (Indri indri) Gut Mycobiome and Geophagy. <i>Microbial Ecology</i> , 2021 , 82, 215-223	4.4	9
100	A Smart and Sustainable Future for Viticulture Is Rooted in Soil: How to Face Cu Toxicity. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 907	2.6	9
99	Evaluation of a Legume-Derived Protein Hydrolysate to Mitigate Iron Deficiency in Plants. <i>Agronomy</i> , 2020 , 10, 1942	3.6	3
98	Hydrothermal Carbonization as a Strategy for Sewage Sludge Management: Influence of Process Withdrawal Point on Hydrochar Properties. <i>Energies</i> , 2020 , 13, 2890	3.1	21
97	Single and Combined Fe and S Deficiency Differentially Modulate Root Exudate Composition in Tomato: A Double Strategy for Fe Acquisition?. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	10
96	The fertilising potential of manure-based biogas fermentation residues: pelleted liquid digestate. <i>Heliyon</i> , 2020 , 6, e03325	3.6	29
95	Root-shoot-root Fe translocation in cucumber plants grown in a heterogeneous Fe provision. <i>Plant Science</i> , 2020 , 293, 110431	5.3	7
94	New insights in the allelopathic traits of different barley genotypes: Middle Eastern and Tibetan wild-relative accessions vs. cultivated modern barley. <i>PLoS ONE</i> , 2020 , 15, e0231976	3.7	6
93	Iron fertilization to enhance tolerance mechanisms to copper toxicity of ryegrass plants used as cover crop in vineyards. <i>Chemosphere</i> , 2020 , 243, 125298	8.4	17
92	Relatively Low Dosages of CeO Nanoparticles in the Solid Medium Induce Adjustments in the Secondary Metabolism and Ionic Balance of Bean (L.) Roots and Leaves. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 67-76	5.7	13
91	Physiological Responses to Fe Deficiency in Split-Root Tomato Plants: Possible Roles of Auxin and Ethylene?. <i>Agronomy</i> , 2020 , 10, 1000	3.6	4
90	Plasmopara viticola infection affects mineral elements allocation and distribution in Vitis vinifera leaves. <i>Scientific Reports</i> , 2020 , 10, 18759	4.9	8
89	Recent Achievements and New Research Opportunities for Optimizing Macronutrient Availability, Acquisition, and Distribution for Perennial Fruit Crops. <i>Agronomy</i> , 2020 , 10, 1738	3.6	5
88	Temporal Responses to Direct and Induced Iron Deficiency in Parietaria judaica. <i>Agronomy</i> , 2020 , 10, 1037	3.6	1
87	Copper toxicity affects phosphorus uptake mechanisms at molecular and physiological levels in Cucumis sativus plants. <i>Plant Physiology and Biochemistry</i> , 2020 , 157, 138-147	5.4	17
86	Phosphorus deficiency changes carbon isotope fractionation and triggers exudate reacquisition in tomato plants. <i>Scientific Reports</i> , 2020 , 10, 15970	4.9	6
85	Nutraceutical Profiles of Two Hydroponically Grown Sweet Basil Cultivars as Affected by the Composition of the Nutrient Solution and the Inoculation With. <i>Frontiers in Plant Science</i> , 2020 , 11, 596000	6.2	8

84	Root Handling Affects Carboxylates Exudation and Phosphate Uptake of White Lupin Roots. <i>Frontiers in Plant Science</i> , 2020 , 11, 584568	6.2	5
83	Preliminary evaluation of eggshells as a source of phosphate on hydroponically grown tomato (<i>Solanum lycopersicum</i> L.) seedlings. <i>Journal of Plant Nutrition</i> , 2020 , 43, 1852-1861	2.3	
82	<i>Azospirillum brasilense</i> inoculation counteracts the induction of nitrate uptake in maize plants. <i>Journal of Experimental Botany</i> , 2019 , 70, 1313-1324	7	22
81	Hydroponic Solutions for Soilless Production Systems: Issues and Opportunities in a Smart Agriculture Perspective. <i>Frontiers in Plant Science</i> , 2019 , 10, 923	6.2	94
80	Effect of metribuzin on nitrogen metabolism and iron acquisition in <i>Zea mays</i> . <i>Chemistry and Ecology</i> , 2019 , 35, 720-731	2.3	3
79	The potential of two different <i>Avena sativa</i> L. cultivars to alleviate Cu toxicity. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 182, 109430	7	12
78	Common and specific responses to iron and phosphorus deficiencies in roots of apple tree (<i>Malus domestica</i>). <i>Plant Molecular Biology</i> , 2019 , 101, 129-148	4.6	4
77	Morphological Root Responses and Molecular Regulation of Cation Transporters Are Differently Affected by Copper Toxicity and Cropping System Depending on the Grapevine Rootstock Genotype. <i>Frontiers in Plant Science</i> , 2019 , 10, 946	6.2	11
76	Iron oxide-humic acid coprecipitates as iron source for cucumber plants. <i>Journal of Plant Nutrition and Soil Science</i> , 2019 , 182, 921-933	2.3	4
75	Role of <i>Azospirillum brasilense</i> in triggering different Fe chelate reductase enzymes in cucumber plants subjected to both nutrient deficiency and toxicity. <i>Plant Physiology and Biochemistry</i> , 2019 , 136, 118-126	5.4	14
74	Intercropping of young grapevines with native grasses for phytoremediation of Cu-contaminated soils. <i>Chemosphere</i> , 2019 , 216, 147-156	8.4	33
73	Phytotoxicity alleviation by bacterial species isolated from polycyclic aromatic hydrocarbons (PAHs) contaminated sites. <i>Environmental Technology and Innovation</i> , 2019 , 13, 104-112	7	2
72	Synergism and antagonisms between nutrients induced by copper toxicity in grapevine rootstocks: Monocropping vs. intercropping. <i>Chemosphere</i> , 2019 , 214, 563-578	8.4	32
71	Mitochondria dysfunctions under Fe and S deficiency: is citric acid involved in the regulation of adaptive responses?. <i>Plant Physiology and Biochemistry</i> , 2018 , 126, 86-96	5.4	11
70	Soil amendment as a strategy for the growth of young vines when replanting vineyards in soils with high copper content. <i>Plant Physiology and Biochemistry</i> , 2018 , 126, 152-162	5.4	10
69	Iron Mobilization and Mineralogical Alterations Induced by Iron-Deficient Cucumber Plants (<i>Cucumis sativus</i> L.) in a Calcareous Soil. <i>Pedosphere</i> , 2018 , 28, 59-69	5	8
68	Growth and chemical changes in the rhizosphere of black oat (<i>Avena strigosa</i>) grown in soils contaminated with copper. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 163, 19-27	7	12
67	Revisiting Fe/S interplay in tomato: A split-root approach to study the systemic and local responses. <i>Plant Science</i> , 2018 , 276, 134-142	5.3	8

66	Does Fe accumulation in durum wheat seeds benefit from improved whole-plant sulfur nutrition?. <i>Journal of Cereal Science</i> , 2018 , 83, 74-82	3.8	22
65	Fertilization strategies as a tool to modify the organoleptic properties of raspberry (<i>Rubus idaeus</i> L.) fruits. <i>Scientia Horticulturae</i> , 2018 , 240, 205-212	4.1	5
64	Beneficial Soil Microbiome for Sustainable Agriculture Production. <i>Sustainable Agriculture Reviews</i> , 2018 , 443-481	1.3	10
63	Effect of three safeners on sulfur assimilation and iron deficiency response in barley (<i>Hordeum vulgare</i>) plants. <i>Pest Management Science</i> , 2017 , 73, 240-245	4.6	15
62	Terbutylazine interferes with iron nutrition in maize (<i>Zea mays</i>) plants. <i>Acta Physiologiae Plantarum</i> , 2017 , 39, 1	2.6	12
61	Seasonal dynamics of root uptake and spring remobilisation of nitrogen in field grown orange trees. <i>Scientia Horticulturae</i> , 2017 , 226, 223-230	4.1	17
60	Indirect effect of glyphosate on wine fermentation studied by microcalorimetry. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017 , 127, 1351-1360	4.1	5
59	Degradation of citrate promotes copper co-precipitation within aluminium-(hydr)oxides in calcareous soils. <i>Biology and Fertility of Soils</i> , 2017 , 53, 115-128	6.1	3
58	Selenium Biofortification in : Implications on Strawberry Fruits Quality, Content of Bioactive Health Beneficial Compounds and Metabolomic Profile. <i>Frontiers in Plant Science</i> , 2017 , 8, 1887	6.2	47
57	The potential of <i>Zea mays</i> L. in remediating copper and zinc contaminated soils for grapevine production. <i>Geoderma</i> , 2016 , 262, 52-61	6.7	42
56	Small-scale biomass gasification CHP systems: Comparative performance assessment and monitoring experiences in South Tyrol (Italy). <i>Energy</i> , 2016 , 112, 285-293	7.9	73
55	Copper accumulation in vineyard soils: Rhizosphere processes and agronomic practices to limit its toxicity. <i>Chemosphere</i> , 2016 , 162, 293-307	8.4	90
54	Effect of aluminium exposure on the release of organic acids and genistein from the roots of <i>Lupinus albus</i> L. plants. <i>Rhizosphere</i> , 2016 , 1, 29-32	3.5	5
53	Physiological Changes in Maize Grown in Soil with Copper and Zinc Accumulation Resulting from the Addition of Pig Slurry and Deep Litter over 10 Years. <i>Water, Air, and Soil Pollution</i> , 2016 , 227, 1	2.6	7
52	Nitrate removal from polluted water by using a vegetated floating system. <i>Science of the Total Environment</i> , 2016 , 542, 803-8	10.2	27
51	Effects of zinc addition to a copper-contaminated vineyard soil on sorption of Zn by soil and plant physiological responses. <i>Ecotoxicology and Environmental Safety</i> , 2016 , 129, 109-19	7	22
50	Mycorrhizal contribution to soil respiration in an apple orchard. <i>Applied Soil Ecology</i> , 2016 , 101, 165-173	5	11
49	The interaction between iron nutrition, plant species and soil type shapes the rhizosphere microbiome. <i>Plant Physiology and Biochemistry</i> , 2016 , 99, 39-48	5.4	108

48	Multi-method Approach to Trace the Geographical Origin of Alpine Milk: a Case Study of Tyrol Region. <i>Food Analytical Methods</i> , 2016 , 9, 1262-1273	3.4	30
47	Modulation of Fe acquisition process by <i>Azospirillum brasilense</i> in cucumber plants. <i>Environmental and Experimental Botany</i> , 2016 , 130, 216-225	5.9	46
46	Silicon dynamics in the rhizosphere: Connections with iron mobilization. <i>Journal of Plant Nutrition and Soil Science</i> , 2016 , 179, 409-417	2.3	25
45	The characterization of the adaptive responses of durum wheat to different Fe availability highlights an optimum Fe requirement threshold. <i>Plant Physiology and Biochemistry</i> , 2016 , 109, 300-307	5.4	19
44	The effect of excess sulfate supply on iron accumulation in three graminaceous plants at the early vegetative phase. <i>Environmental and Experimental Botany</i> , 2016 , 128, 31-38	5.9	21
43	Plant-Microbiota Interactions as a Driver of the Mineral Turnover in the Rhizosphere. <i>Advances in Applied Microbiology</i> , 2016 , 95, 1-67	4.9	58
42	Italian ryegrass for the phytoremediation of solutions polluted with terbuthylazine. <i>Chemosphere</i> , 2015 , 119, 31-36	8.4	27
41	Determination of Cheese Authenticity by Carbon and Nitrogen Isotope Analysis: Stelvio Cheese as a Case Study. <i>Food Analytical Methods</i> , 2015 , 8, 2157-2162	3.4	8
40	Phosphorus and iron deficiencies induce a metabolic reprogramming and affect the exudation traits of the woody plant <i>Fragaria vesca</i> . <i>Journal of Experimental Botany</i> , 2015 , 66, 6483-95	7	58
39	Effects of terbuthylazine on phytosiderophores release in iron deficient barley. <i>Environmental and Experimental Botany</i> , 2015 , 116, 32-38	5.9	10
38	Influence of different trap solutions on the determination of root exudates in <i>Lupinus albus</i> L.. <i>Biology and Fertility of Soils</i> , 2015 , 51, 757-765	6.1	49
37	Shoot ionome to predict the synergism and antagonism between nutrients as affected by substrate and physiological status. <i>Plant Physiology and Biochemistry</i> , 2015 , 94, 48-56	5.4	65
36	New Solutions for floating cultivation system of ready-to-eat salad: A review. <i>Trends in Food Science and Technology</i> , 2015 , 46, 267-276	15.3	51
35	Using stable isotopes in tracing contaminant sources in an industrial area: A case study on the hydrological basin of the Olt River, Romania. <i>Science of the Total Environment</i> , 2015 , 533, 17-23	10.2	27
34	Enhancement of the bioactive compound content in strawberry fruits grown under iron and phosphorus deficiency. <i>Journal of the Science of Food and Agriculture</i> , 2015 , 95, 2088-94	4.3	51
33	Dynamics, thermodynamics and kinetics of exudates: crucial issues in understanding rhizosphere processes. <i>Plant and Soil</i> , 2015 , 386, 399-406	4.2	29
32	The effect of lime on the rhizosphere processes and elemental uptake of white lupin. <i>Environmental and Experimental Botany</i> , 2015 , 118, 85-94	5.9	25
31	Traceability of different apple varieties by multivariate analysis of isotope ratio mass spectrometry data. <i>Rapid Communications in Mass Spectrometry</i> , 2015 , 29, 1984-90	2.2	18

30	Iron deficiency in barley plants: phytosiderophore release, iron translocation, and DNA methylation. <i>Frontiers in Plant Science</i> , 2015 , 6, 514	6.2	35
29	Combined effect of organic acids and flavonoids on the mobilization of major and trace elements from soil. <i>Biology and Fertility of Soils</i> , 2015 , 51, 685-695	6.1	17
28	Tendrils-Based Climbing Plants to Model, Simulate and Create Bio-Inspired Robotic Systems. <i>Journal of Bionic Engineering</i> , 2015 , 12, 250-262	2.7	16
27	Selenium fortification of hydroponically grown corn salad (<i>Valerianella locusta</i>). <i>Crop and Pasture Science</i> , 2015 , 66, 1128	2.2	13
26	Plant-microorganism-soil interactions influence the Fe availability in the rhizosphere of cucumber plants. <i>Plant Physiology and Biochemistry</i> , 2015 , 87, 45-52	5.4	72
25	Iron allocation in leaves of Fe-deficient cucumber plants fed with natural Fe complexes. <i>Physiologia Plantarum</i> , 2015 , 154, 82-94	4.6	19
24	Microbial interactions in the rhizosphere: beneficial influences of plant growth-promoting rhizobacteria on nutrient acquisition process. A review. <i>Biology and Fertility of Soils</i> , 2015 , 51, 403-415	6.1	439
23	Filtration of apple juice by nylon nanofibrous membranes. <i>Journal of Food Engineering</i> , 2014 , 122, 110-116	4.0	40
22	Rhizospheric organic compounds in the soil-microorganism-plant system: their role in iron availability. <i>European Journal of Soil Science</i> , 2014 , 65, 629-642	3.4	137
21	Temperature control of nutrient solution in floating system cultivation. <i>Applied Thermal Engineering</i> , 2014 , 73, 1055-1065	5.8	6
20	Isolation and functional characterization of a high affinity urea transporter from roots of <i>Zea mays</i> . <i>BMC Plant Biology</i> , 2014 , 14, 222	5.3	30
19	Nutrient accumulation in leaves of Fe-deficient cucumber plants treated with natural Fe complexes. <i>Biology and Fertility of Soils</i> , 2014 , 50, 973-982	6.1	31
18	Effect of cadmium on antioxidative enzymes, glutathione content, and glutathionylation in tall fescue. <i>Biologia Plantarum</i> , 2014 , 58, 773-777	2.1	7
17	Iron (Fe) speciation in xylem sap by XANES at a high brilliant synchrotron X-ray source: opportunities and limitations. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 5411-9	4.4	13
16	Physiological and molecular characterization of Fe acquisition by tomato plants from natural Fe complexes. <i>Biology and Fertility of Soils</i> , 2013 , 49, 187-200	6.1	37
15	SMA bio-robotic mimesis of tendril-based climbing plants: First results 2013 ,		2
14	Common reeds (<i>Phragmites australis</i>) as sustainable energy source: experimental and modelling analysis of torrefaction and pyrolysis processes. <i>GCB Bioenergy</i> , 2013 , 5, 367-374	5.6	15
13	A comparison between on-line and off-line tar analysis methods applied to common reed pyrolysis. <i>Fuel</i> , 2013 , 111, 689-695	7.1	16

12	Aluminium-phosphate interactions in the rhizosphere of two bean species: Phaseolus lunatus L. and Phaseolus vulgaris L. <i>Journal of the Science of Food and Agriculture</i> , 2013 , 93, 3891-6	4.3	9
11	Beneficial effects of silicon on hydroponically grown corn salad (<i>Valerianella locusta</i> (L.) Laterr) plants. <i>Plant Physiology and Biochemistry</i> , 2012 , 56, 14-23	5.4	55
10	Plant-borne flavonoids released into the rhizosphere: impact on soil bio-activities related to plant nutrition. A review. <i>Biology and Fertility of Soils</i> , 2012 , 48, 123-149	6.1	208
9	Identification of milk origin and process-induced changes in milk by stable isotope ratio mass spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 11268-73	5.7	50
8	Time and substrate dependent exudation of carboxylates by <i>Lupinus albus</i> L. and <i>Brassica napus</i> L. <i>Plant Physiology and Biochemistry</i> , 2011 , 49, 1272-8	5.4	57
7	The Effect of Growth Medium Temperature on Corn Salad [<i>Valerianella locusta</i> (L.) Laterr] Baby Leaf Yield and Quality. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2011 , 46, 1619-1625	2.4	15
6	The influence of aluminium availability on phosphate uptake in <i>Phaseolus vulgaris</i> L. and <i>Phaseolus lunatus</i> L. <i>Plant Physiology and Biochemistry</i> , 2009 , 47, 68-72	5.4	11
5	Interactions of organic and inorganic chromium species with Ca-polygalacturonate. <i>Biology and Fertility of Soils</i> , 2008 , 44, 521-526	6.1	2
4	Rhizodeposition of <i>Zea mays</i> L. as affected by heterosis. <i>Archives of Agronomy and Soil Science</i> , 2007 , 53, 593-604	2	2
3	Characterisation of Ca- and Al-pectate gels by thermal analysis and FT-IR spectroscopy. <i>Carbohydrate Research</i> , 2005 , 340, 2510-9	2.9	45
2	Effect of aluminium and pH on the mobility of phosphate through a soil-root interface model. <i>Plant and Soil</i> , 2005 , 272, 301-311	4.2	17
1	DETERMINATION OF BIOLOGICAL MEASURES BY MID-INFRARED DIFFUSE REFLECTANCE SPECTROSCOPY IN SOILS WITHIN A LANDSCAPE. <i>Soil Science</i> , 2002 , 167, 281-287	0.9	11