

Teofilo Vamerali

List of Publications by Citations

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55
papers

1,929
citations

22
h-index

43
g-index

58
ext. papers

2,244
ext. citations

5.4
avg, IF

5.18
L-index

#	Paper	IF	Citations
55	Field crops for phytoremediation of metal-contaminated land. A review. <i>Environmental Chemistry Letters</i> , 2010 , 8, 1-17	13.3	426
54	Accumulation of perfluorinated alkyl substances (PFAS) in agricultural plants: A review. <i>Environmental Research</i> , 2019 , 169, 326-341	7.9	190
53	Biochar addition to an arsenic contaminated soil increases arsenic concentrations in the pore water but reduces uptake to tomato plants (<i>Solanum lycopersicum</i> L.). <i>Science of the Total Environment</i> , 2013 , 454-455, 598-603	10.2	180
52	Does biochar application alter heavy metal dynamics in agricultural soil?. <i>Agriculture, Ecosystems and Environment</i> , 2014 , 184, 149-157	5.7	126
51	Phytoremediation trials on metal- and arsenic-contaminated pyrite wastes (Torviscosa, Italy). <i>Environmental Pollution</i> , 2009 , 157, 887-94	9.3	92
50	Culturable endophytic bacteria enhance Ni translocation in the hyperaccumulator <i>Noccaea caerulescens</i> . <i>Chemosphere</i> , 2014 , 117, 538-44	8.4	61
49	Increased bioavailability of metals in two contrasting agricultural soils treated with waste wood-derived biochar and ash. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 3230-40	5.1	56
48	A comparison of root characteristics in relation to nutrient and water stress in two maize hybrids. <i>Plant and Soil</i> , 2003 , 255, 157-167	4.2	48
47	Increased root growth and nitrogen accumulation in common wheat following PGPR inoculation: Assessment of plant-microbe interactions by ESEM. <i>Agriculture, Ecosystems and Environment</i> , 2017 , 247, 396-408	5.7	46
46	Effects of Seed-Applied Biofertilizers on Rhizosphere Biodiversity and Growth of Common Wheat (L.) in the Field. <i>Frontiers in Plant Science</i> , 2020 , 11, 72	6.2	44
45	Yield and oil variability in modern varieties of high-erucic winter oilseed rape (<i>Brassica napus</i> L. var. <i>oleifera</i>) and Ethiopian mustard (<i>Brassica carinata</i> A. Braun) under reduced agricultural inputs. <i>Industrial Crops and Products</i> , 2009 , 30, 265-270	5.9	43
44	Combined endophytic inoculants enhance nickel phytoextraction from serpentine soil in the hyperaccumulator <i>Noccaea caerulescens</i> . <i>Frontiers in Plant Science</i> , 2015 , 6, 638	6.2	38
43	Assessing biochar ecotoxicology for soil amendment by root phytotoxicity bioassays. <i>Environmental Monitoring and Assessment</i> , 2016 , 188, 166	3.1	36
42	Oil crops for biodiesel production in Italy. <i>Renewable Energy</i> , 1999 , 16, 1053-1056	8.1	33
41	Long-term phytomanagement of metal-contaminated land with field crops: Integrated remediation and biofortification. <i>European Journal of Agronomy</i> , 2014 , 53, 56-66	5	29
40	Analysis of root images from auger sampling with a fast procedure: a case of application to sugar beet. <i>Plant and Soil</i> , 2003 , 255, 387-397	4.2	29
39	In situ phytoremediation of arsenic- and metal-polluted pyrite waste with field crops: effects of soil management. <i>Chemosphere</i> , 2011 , 83, 1241-8	8.4	28

38	16S rDNA Profiling to Reveal the Influence of Seed-Applied Biostimulants on the Rhizosphere of Young Maize Plants. <i>Molecules</i> , 2018 , 23,	4.8	27
37	Crambe abyssinica a non-food crop with potential for the Mediterranean climate: Insights on productive performances and root growth. <i>Industrial Crops and Products</i> , 2016 , 90, 152-160	5.9	26
36	Variations in yield and gluten proteins in durum wheat varieties under late-season foliar versus soil application of nitrogen fertilizer in a northern Mediterranean environment. <i>Journal of the Science of Food and Agriculture</i> , 2018 , 98, 2360-2369	4.3	25
35	Effects of water and nitrogen management on fibrous root distribution and turnover in sugar beet. <i>European Journal of Agronomy</i> , 2009 , 31, 69-76	5	23
34	Fibrous root turnover and growth in sugar beet (<i>Beta vulgaris</i> var. <i>saccharifera</i>) as affected by nitrogen shortage. <i>Plant and Soil</i> , 2003 , 255, 169-177	4.2	23
33	Field release of genetically marked <i>Azospirillum brasilense</i> in association with <i>Sorghum bicolor</i> L.. <i>Plant and Soil</i> , 2003 , 256, 281-290	4.2	22
32	Effects of Field Inoculation with VAM and Bacteria Consortia on Root Growth and Nutrients Uptake in Common Wheat. <i>Sustainability</i> , 2018 , 10, 3286	3.6	22
31	Humic acids affect root characteristics of fodder radish (<i>Raphanus sativus</i> L. var. <i>oleiformis</i> Pers.) in metal-polluted wastes. <i>Desalination</i> , 2009 , 246, 78-91	10.3	21
30	Effects of a new wide-sweep opener for no-till planter on seed zone properties and root establishment in maize (<i>Zea mays</i> , L.): A comparison with double-disk opener. <i>Soil and Tillage Research</i> , 2006 , 89, 196-209	6.5	20
29	The influence of potato cyst nematodes (<i>Globodera pallida</i>) and drought on rooting dynamics of potato (<i>Solanum tuberosum</i> L.). <i>European Journal of Agronomy</i> , 1998 , 9, 137-146	5	18
28	Phytoremediation Opportunities with Alimurgic Species in Metal-Contaminated Environments. <i>Sustainability</i> , 2016 , 8, 357	3.6	16
27	Assisted phytoremediation of mixed metal(loid)-polluted pyrite waste: effects of foliar and substrate IBA application on fodder radish. <i>Chemosphere</i> , 2011 , 84, 213-9	8.4	15
26	Biostimulant Effects of Seed-Applied Sedaxane Fungicide: Morphological and Physiological Changes in Maize Seedlings. <i>Frontiers in Plant Science</i> , 2017 , 8, 2072	6.2	14
25	Wood biochar produces different rates of root growth and transpiration in two maize hybrids (<i>Zea mays</i> L.) under drought stress. <i>Archives of Agronomy and Soil Science</i> , 2019 , 65, 846-866	2	14
24	Can we cultivate Erucic acid in southern Europe?. <i>Italian Journal of Agronomy</i> , 2006 , 1, 3	1.4	12
23	An ecofriendly procedure to extract isoflavones from soybean seeds. <i>Journal of Cleaner Production</i> , 2018 , 170, 1102-1110	10.3	10
22	Phytotoxicity and metal leaching in EDDS-assisted phytoextraction from pyrite wastes with Ethiopian mustard and fodder radish. <i>Plant Biosystems</i> , 2010 , 144, 490-498	1.6	10
21	Intraspecific variability for soybean cotyledon isoflavones in different cropping and soil conditions. <i>European Journal of Agronomy</i> , 2010 , 33, 63-73	5	10

20	Morphological Changes and Expressions of , , and Putative Genes in a Large Set of Commercial Maize Hybrids Under Extreme Waterlogging. <i>Frontiers in Plant Science</i> , 2019 , 10, 62	6.2	9
19	Apoplastic gamma-glutamyl transferase activity encoded by GGT1 and GGT2 is important for vegetative and generative development. <i>Plant Physiology and Biochemistry</i> , 2017 , 115, 44-56	5.4	8
18	Soybean isoflavone patterns in main stem and branches as affected by water and nitrogen supply. <i>European Journal of Agronomy</i> , 2012 , 41, 1-10	5	8
17	A Comparative Study of Organic and Conventional Management on the Rhizosphere Microbiome, Growth and Grain Quality Traits of Tritordeum. <i>Agronomy</i> , 2020 , 10, 1717	3.6	8
16	Root Characteristics and Metal Uptake of Maize (<i>Zea mays</i> L.) under Extreme Soil Contamination. <i>Agronomy</i> , 2021 , 11, 178	3.6	8
15	Accumulation and effects of perfluoroalkyl substances in three hydroponically grown <i>Salix</i> L. species. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 191, 110150	7	7
14	Combined effects of thinning and decline on fine root dynamics in a <i>Quercus robur</i> L. forest adjoining the Italian Pre-Alps. <i>Annals of Botany</i> , 2017 , 119, 1235-1246	4.1	7
13	Advances in agronomic management of phytoremediation: methods and results from a 10-year study of metal-polluted soils. <i>Italian Journal of Agronomy</i> , 2012 , 7, 42	1.4	7
12	Metal partitioning in plant-substrate-water compartments under EDDS-assisted phytoextraction of pyrite waste with <i>Brassica carinata</i> A. Braun. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 2434-46	5.1	6
11	Morphological and biochemical changes in maize under drought and salinity stresses in a semi-arid environment. <i>Plant Biosystems</i> , 2020 , 154, 396-404	1.6	5
10	Studying root distribution with geostatistics. <i>Plant Biosystems</i> , 2008 , 142, 428-433	1.6	4
9	Morphology, Phenology, Yield, and Quality of Durum Wheat Cultivated within Organic Olive Orchards of the Mediterranean Area. <i>Agronomy</i> , 2020 , 10, 1789	3.6	4
8	Estimation of cotyledon isoflavone abundance by a grey luminance-based model in variously hilum-coloured soybean varieties. <i>Journal of the Science of Food and Agriculture</i> , 2016 , 96, 4126-34	4.3	4
7	Effects of Soil Amendment With Wood Ash on Transpiration, Growth, and Metal Uptake in Two Contrasting Maize (<i>Z. m.</i>) Hybrids to Drought Tolerance. <i>Frontiers in Plant Science</i> , 2021 , 12, 661909	6.2	3
6	Comparing Soil vs. Foliar Nitrogen Supply of the Whole Fertilizer Dose in Common Wheat. <i>Agronomy</i> , 2021 , 11, 2138	3.6	2
5	A Multi-disciplinary Challenge for Phytoremediation of Metal-Polluted Pyrite Waste. <i>Soil Biology</i> , 2013 , 141-158	1	1
4	Effects of Light Orientation and Mechanical Damage to Leaves on Isoflavone Accumulation in Soybean Seeds. <i>Agronomy</i> , 2021 , 11, 589	3.6	1
3	Root-microbe Interactions Influencing Water and Nutrient Acquisition Efficiency 2021 , 159-192		1

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| 2 | Biofortification of Common Wheat Grains with Combined Ca, Mg, and K through Foliar Fertilisation. <i>Agronomy</i> , 2021 , 11, 1718 | 3.6 | 1 |
| 1 | Impact of Olive Trees on the Microclimatic and Edaphic Environment of the Understorey Durum Wheat in an Alley Orchard of the Mediterranean Area. <i>Agronomy</i> , 2022 , 12, 527 | 3.6 | 0 |