Teofilo Vamerali

List of Publications by Year
in descending order

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57 papers	2,612 citations	257101 24 h-index	189595 50 g-index
58 all docs	58 docs citations	58 times ranked	3601 citing authors

#	Article	IF	Citations
1	Field crops for phytoremediation of metal-contaminated land. A review. Environmental Chemistry Letters, 2010, 8, 1-17.	8.3	512
2	Accumulation of perfluorinated alkyl substances (PFAS) in agricultural plants: A review. Environmental Research, 2019, 169, 326-341.	3.7	361
3	Biochar addition to an arsenic contaminated soil increases arsenic concentrations in the pore water but reduces uptake to tomato plants (Solanum lycopersicum L.). Science of the Total Environment, 2013, 454-455, 598-603.	3.9	220
4	Does biochar application alter heavy metal dynamics in agricultural soil?. Agriculture, Ecosystems and Environment, 2014, 184, 149-157.	2.5	158
5	Phytoremediation trials on metal- and arsenic-contaminated pyrite wastes (Torviscosa, Italy). Environmental Pollution, 2009, 157, 887-894.	3.7	104
6	Effects of Seed-Applied Biofertilizers on Rhizosphere Biodiversity and Growth of Common Wheat (Triticum aestivum L.) in the Field. Frontiers in Plant Science, 2020, 11, 72.	1.7	83
7	Increased root growth and nitrogen accumulation in common wheat following PGPR inoculation: Assessment of plant-microbe interactions by ESEM. Agriculture, Ecosystems and Environment, 2017, 247, 396-408.	2.5	70
8	Increased bioavailability of metals in two contrasting agricultural soils treated with waste wood-derived biochar and ash. Environmental Science and Pollution Research, 2014, 21, 3230-3240.	2.7	68
9	Culturable endophytic bacteria enhance Ni translocation in the hyperaccumulator Noccaea caerulescens. Chemosphere, 2014, 117, 538-544.	4.2	68
10	A comparison of root characteristics in relation to nutrient and water stress in two maize hybrids. Plant and Soil, 2003, 255, 157-167.	1.8	55
11	Combined endophytic inoculants enhance nickel phytoextraction from serpentine soil in the hyperaccumulator Noccaea caerulescens. Frontiers in Plant Science, 2015, 6, 638.	1.7	53
12	16S rDNA Profiling to Reveal the Influence of Seed-Applied Biostimulants on the Rhizosphere of Young Maize Plants. Molecules, 2018, 23, 1461.	1.7	49
13	Yield and oil variability in modern varieties of high-erucic winter oilseed rape (Brassica napus L. var.) Tj ETQq1 1 0.784314 rgBT /Overlock Industrial Crops and Products, 2009, 30, 265-270.	2.5	47
14	Assessing biochar ecotoxicology for soil amendment by root phytotoxicity bioassays. Environmental Monitoring and Assessment, 2016, 188, 166.	1.3	47
15	Oil crops for biodiesel production in Italy. Renewable Energy, 1999, 16, 1053-1056.	4.3	39
16	Variations in yield and gluten proteins in durum wheat varieties under lateâ€season foliar versus soil application of nitrogen fertilizer in a northern Mediterranean environment. Journal of the Science of Food and Agriculture, 2018, 98, 2360-2369.	1.7	37
17	Analysis of root images from auger sampling with a fast procedure: a case of application to sugar beet. Plant and Soil, 2003, 255, 387-397.	1.8	33
18	Long-term phytomanagement of metal-contaminated land with field crops: Integrated remediation and biofortification. European Journal of Agronomy, 2014, 53, 56-66.	1.9	32

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19	Effects of Field Inoculation with VAM and Bacteria Consortia on Root Growth and Nutrients Uptake in Common Wheat. Sustainability, 2018, 10, 3286.	1.6	30
20	Humic acids affect root characteristics of fodder radish (Raphanus sativus L. var. oleiformis Pers.) in metal-polluted wastes. Desalination, 2009, 246, 78-91.	4.0	29
21	In situ phytoremediation of arsenic- and metal-polluted pyrite waste with field crops: Effects of soil management. Chemosphere, 2011, 83, 1241-1248.	4.2	29
22	Crambe abyssinica a non-food crop with potential for the Mediterranean climate: Insights on productive performances and root growth. Industrial Crops and Products, 2016, 90, 152-160.	2.5	29
23	Effects of a new wide-sweep opener for no-till planter on seed zone properties and root establishment in maize (Zea mays, L.): A comparison with double-disk opener. Soil and Tillage Research, 2006, 89, 196-209.	2.6	28
24	Effects of water and nitrogen management on fibrous root distribution and turnover in sugar beet. European Journal of Agronomy, 2009, 31, 69-76.	1.9	26
25	Fibrous root turnover and growth in sugar beet (Beta vulgaris var. saccharifera) as affected by nitrogen shortage. Plant and Soil, 2003, 255, 169-177.	1.8	25
26	Field release of genetically marked Azospirillum brasilense in association with Sorghum bicolor L.. Plant and Soil, 2003, 256, 281-290.	1.8	25
27	Morphological Changes and Expressions of AOX1A, CYP81D8, and Putative PFP Genes in a Large Set of Commercial Maize Hybrids Under Extreme Waterlogging. Frontiers in Plant Science, 2019, 10, 62.	1.7	25
28	The influence of potato cyst nematodes (Globodera pallida) and drought on rooting dynamics of potato (Solanum tuberosum L.). European Journal of Agronomy, 1998, 9, 137-146.	1.9	19
29	Accumulation and effects of perfluoroalkyl substances in three hydroponically grown Salix L. species. Ecotoxicology and Environmental Safety, 2020, 191, 110150.	2.9	19
30	Root Characteristics and Metal Uptake of Maize (Zea mays L.) under Extreme Soil Contamination. Agronomy, 2021, 11, 178.	1.3	19
31	Phytoremediation Opportunities with Alimurgic Species in Metal-Contaminated Environments. Sustainability, 2016, 8, 357.	1.6	18
32	Biostimulant Effects of Seed-Applied Sedaxane Fungicide: Morphological and Physiological Changes in Maize Seedlings. Frontiers in Plant Science, 2017, 8, 2072.	1.7	18
33	Wood biochar produces different rates of root growth and transpiration in two maize hybrids (Zea mays L.) under drought stress. Archives of Agronomy and Soil Science, 2019, 65, 846-866.	1.3	18
34	Assisted phytoremediation of mixed metal(loid)-polluted pyrite waste: Effects of foliar and substrate IBA application on fodder radish. Chemosphere, 2011, 84, 213-219.	4.2	17
35	Apoplastic gamma-glutamyl transferase activity encoded by GGT1 and GGT2 is important for vegetative and generative development. Plant Physiology and Biochemistry, 2017, 115, 44-56.	2.8	17
36	A Comparative Study of Organic and Conventional Management on the Rhizosphere Microbiome, Growth and Grain Quality Traits of Tritordeum. Agronomy, 2020, 10, 1717.	1.3	17

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37	Advances in agronomic management of phytoremediation: methods and results from a 10-year study of metal-polluted soils. Italian Journal of Agronomy, 2012, 7, 42.	0.4	15
38	Combined effects of thinning and decline on fine root dynamics in a Quercus robur L. forest adjoining the Italian Pre-Alps. Annals of Botany, 2017, 119, 1235-1246.	1.4	14
39	Can we â€œcultivateâ€•erucic acid in southern Europe?. Italian Journal of Agronomy, 2006, 1, 3.	0.4	13
40	Soybean isoflavone patterns in main stem and branches as affected by water and nitrogen supply. European Journal of Agronomy, 2012, 41, 1-10.	1.9	12
41	An ecofriendly procedure to extract isoflavones from soybean seeds. Journal of Cleaner Production, 2018, 170, 1102-1110.	4.6	12
42	Comparing Soil vs. Foliar Nitrogen Supply of the Whole Fertilizer Dose in Common Wheat. Agronomy, 2021, 11, 2138.	1.3	12
43	Intraspecific variability for soybean cotyledon isoflavones in different cropping and soil conditions. European Journal of Agronomy, 2010, 33, 63-73.	1.9	11
44	Phytotoxicity and metal leaching in EDDSâ€assisted phytoextraction from pyrite wastes with Ethiopian mustard and fodder radish. Plant Biosystems, 2010, 144, 490-498.	0.8	10
45	Morphology, Phenology, Yield, and Quality of Durum Wheat Cultivated within Organic Olive Orchards of the Mediterranean Area. Agronomy, 2020, 10, 1789.	1.3	10
46	Effects of Soil Amendment With Wood Ash on Transpiration, Growth, and Metal Uptake in Two Contrasting Maize (Zea mays L.) Hybrids to Drought Tolerance. Frontiers in Plant Science, 2021, 12, 661909.	1.7	10
47	Metal partitioning in plantâ€“substrateâ€“water compartments under EDDS-assisted phytoextraction of pyrite waste with Brassica carinata A. Braun. Environmental Science and Pollution Research, 2015, 22, 2434-2446.	2.7	7
48	Morphological and biochemical changes in maize under drought and salinity stresses in a semi-arid environment. Plant Biosystems, 2020, 154, 396-404.	0.8	7
49	Impact of Olive Trees on the Microclimatic and Edaphic Environment of the Understorey Durum Wheat in an Alley Orchard of the Mediterranean Area. Agronomy, 2022, 12, 527.	1.3	6
50	Perfluorinated alkyl substances affect the growth, physiology and root proteome of hydroponically grown maize plants. Journal of Hazardous Materials, 2022, 438, 129512.	6.5	6
51	Studying root distribution with geostatistics. Plant Biosystems, 2008, 142, 428-433.	0.8	5
52	Estimation of cotyledon isoflavone abundance by a grey luminance-based model in variously hilum-coloured soybean varieties. Journal of the Science of Food and Agriculture, 2016, 96, 4126-4134.	1.7	5
53	Arsenic accumulation in Pteris vittata: Time course, distribution, and arsenic-related gene expression in fronds and whole plantlets. Environmental Pollution, 2022, 309, 119773.	3.7	5
54	Biofortification of Common Wheat Grains with Combined Ca, Mg, and K through Foliar Fertilisation. Agronomy, 2021, 11, 1718.	1.3	3

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55	Effects of Light Orientation and Mechanical Damage to Leaves on Isoflavone Accumulation in Soybean Seeds. Agronomy, 2021, 11, 589.	1.3	2
56	A Multi-disciplinary Challenge for Phytoremediation of Metal-Polluted Pyrite Waste. Soil Biology, 2013, , 141-158.	0.6	1
57	Nitrate Addition Increases the Activity of Microbial Nitrogen Removal in Freshwater Sediment. Microorganisms, 2022, 10, 1429.	1.6	0