

# Teofilo Vamerali

## 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.

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 | 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> , <b>2022</b> , 12, 527  | 3.6  | 0         |
| 54 | Comparing Soil vs. Foliar Nitrogen Supply of the Whole Fertilizer Dose in Common Wheat. <i>Agronomy</i> , <b>2021</b> , 11, 2138  | 3.6  | 2         |
| 53 | Effects of Light Orientation and Mechanical Damage to Leaves on Isoflavone Accumulation in Soybean Seeds. <i>Agronomy</i> , <b>2021</b> , 11, 589   | 3.6  | 1         |
| 52 | Root-microbe Interactions Influencing Water and Nutrient Acquisition Efficiency <b>2021</b> , 159-192   |      | 1         |
| 51 | Effects of Soil Amendment With Wood Ash on Transpiration, Growth, and Metal Uptake in Two Contrasting Maize (L.) Hybrids to Drought Tolerance. <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 661909   | 6.2  | 3         |
| 50 | Root Characteristics and Metal Uptake of Maize ( <i>Zea mays</i> L.) under Extreme Soil Contamination. <i>Agronomy</i> , <b>2021</b> , 11, 178  | 3.6  | 8         |
| 49 | Biofortification of Common Wheat Grains with Combined Ca, Mg, and K through Foliar Fertilisation. <i>Agronomy</i> , <b>2021</b> , 11, 1718  | 3.6  | 1         |
| 48 | Effects of Seed-Applied Biofertilizers on Rhizosphere Biodiversity and Growth of Common Wheat (L.) in the Field. <i>Frontiers in Plant Science</i> , <b>2020</b> , 11, 72   | 6.2  | 44        |
| 47 | Accumulation and effects of perfluoroalkyl substances in three hydroponically grown <i>Salix</i> L. species. <i>Ecotoxicology and Environmental Safety</i> , <b>2020</b> , 191, 110150  | 7    | 7         |
| 46 | A Comparative Study of Organic and Conventional Management on the Rhizosphere Microbiome, Growth and Grain Quality Traits of Tritordeum. <i>Agronomy</i> , <b>2020</b> , 10, 1717   | 3.6  | 8         |
| 45 | Morphology, Phenology, Yield, and Quality of Durum Wheat Cultivated within Organic Olive Orchards of the Mediterranean Area. <i>Agronomy</i> , <b>2020</b> , 10, 1789   | 3.6  | 4         |
| 44 | Morphological and biochemical changes in maize under drought and salinity stresses in a semi-arid environment. <i>Plant Biosystems</i> , <b>2020</b> , 154, 396-404   | 1.6  | 5         |
| 43 | 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> , <b>2019</b> , 10, 62   | 6.2  | 9         |
| 42 | Accumulation of perfluorinated alkyl substances (PFAS) in agricultural plants: A review. <i>Environmental Research</i> , <b>2019</b> , 169, 326-341   | 7.9  | 190       |
| 41 | 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> , <b>2019</b> , 65, 846-866  | 2    | 14        |
| 40 | An ecofriendly procedure to extract isoflavones from soybean seeds. <i>Journal of Cleaner Production</i> , <b>2018</b> , 170, 1102-1110   | 10.3 | 10        |
| 39 | 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> , <b>2018</b> , 98, 2360-2369 | 4.3  | 25        |

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|----|---|------|-----|
| 38 | 16S rDNA Profiling to Reveal the Influence of Seed-Applied Biostimulants on the Rhizosphere of Young Maize Plants. <i>Molecules</i> , <b>2018</b> , 23,   | 4.8  | 27  |
| 37 | Effects of Field Inoculation with VAM and Bacteria Consortia on Root Growth and Nutrients Uptake in Common Wheat. <i>Sustainability</i> , <b>2018</b> , 10, 3286  | 3.6  | 22  |
| 36 | Apoplastic gamma-glutamyl transferase activity encoded by GGT1 and GGT2 is important for vegetative and generative development. <i>Plant Physiology and Biochemistry</i> , <b>2017</b> , 115, 44-56   | 5.4  | 8   |
| 35 | 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> , <b>2017</b> , 247, 396-408                           | 5.7  | 46  |
| 34 | 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> , <b>2017</b> , 119, 1235-1246   | 4.1  | 7   |
| 33 | Biostimulant Effects of Seed-Applied Sedaxane Fungicide: Morphological and Physiological Changes in Maize Seedlings. <i>Frontiers in Plant Science</i> , <b>2017</b> , 8, 2072  | 6.2  | 14  |
| 32 | Assessing biochar ecotoxicology for soil amendment by root phytotoxicity bioassays. <i>Environmental Monitoring and Assessment</i> , <b>2016</b> , 188, 166   | 3.1  | 36  |
| 31 | Phytoremediation Opportunities with Alimurgic Species in Metal-Contaminated Environments. <i>Sustainability</i> , <b>2016</b> , 8, 357  | 3.6  | 16  |
| 30 | 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> , <b>2016</b> , 96, 4126-34                                       | 4.3  | 4   |
| 29 | <i>Crambe abyssinica</i> a non-food crop with potential for the Mediterranean climate: Insights on productive performances and root growth. <i>Industrial Crops and Products</i> , <b>2016</b> , 90, 152-160  | 5.9  | 26  |
| 28 | 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> , <b>2015</b> , 22, 2434-46                | 5.1  | 6   |
| 27 | Combined endophytic inoculants enhance nickel phytoextraction from serpentine soil in the hyperaccumulator <i>Noccaea caerulea</i> . <i>Frontiers in Plant Science</i> , <b>2015</b> , 6, 638   | 6.2  | 38  |
| 26 | Long-term phytomanagement of metal-contaminated land with field crops: Integrated remediation and biofortification. <i>European Journal of Agronomy</i> , <b>2014</b> , 53, 56-66   | 5    | 29  |
| 25 | Increased bioavailability of metals in two contrasting agricultural soils treated with waste wood-derived biochar and ash. <i>Environmental Science and Pollution Research</i> , <b>2014</b> , 21, 3230-40  | 5.1  | 56  |
| 24 | Culturable endophytic bacteria enhance Ni translocation in the hyperaccumulator <i>Noccaea caerulea</i> . <i>Chemosphere</i> , <b>2014</b> , 117, 538-44  | 8.4  | 61  |
| 23 | Does biochar application alter heavy metal dynamics in agricultural soil?. <i>Agriculture, Ecosystems and Environment</i> , <b>2014</b> , 184, 149-157  | 5.7  | 126 |
| 22 | 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> , <b>2013</b> , 454-455, 598-603 | 10.2 | 180 |
| 21 | A Multi-disciplinary Challenge for Phytoremediation of Metal-Polluted Pyrite Waste. <i>Soil Biology</i> , <b>2013</b> , 141-158   | 1    | 1   |

|    |   |      |     |
|----|---|------|-----|
| 20 | Soybean isoflavone patterns in main stem and branches as affected by water and nitrogen supply. <i>European Journal of Agronomy</i> , <b>2012</b> , 41, 1-10  | 5    | 8   |
| 19 | Advances in agronomic management of phytoremediation: methods and results from a 10-year study of metal-polluted soils. <i>Italian Journal of Agronomy</i> , <b>2012</b> , 7, 42  | 1.4  | 7   |
| 18 | In situ phytoremediation of arsenic- and metal-polluted pyrite waste with field crops: effects of soil management. <i>Chemosphere</i> , <b>2011</b> , 83, 1241-8  | 8.4  | 28  |
| 17 | Assisted phytoremediation of mixed metal(loid)-polluted pyrite waste: effects of foliar and substrate IBA application on fodder radish. <i>Chemosphere</i> , <b>2011</b> , 84, 213-9  | 8.4  | 15  |
| 16 | Phytotoxicity and metal leaching in EDDS-assisted phytoextraction from pyrite wastes with Ethiopian mustard and fodder radish. <i>Plant Biosystems</i> , <b>2010</b> , 144, 490-498   | 1.6  | 10  |
| 15 | Field crops for phytoremediation of metal-contaminated land. A review. <i>Environmental Chemistry Letters</i> , <b>2010</b> , 8, 1-17   | 13.3 | 426 |
| 14 | Intraspecific variability for soybean cotyledon isoflavones in different cropping and soil conditions. <i>European Journal of Agronomy</i> , <b>2010</b> , 33, 63-73  | 5    | 10  |
| 13 | 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> , <b>2009</b> , 30, 265-270 | 5.9  | 43  |
| 12 | Effects of water and nitrogen management on fibrous root distribution and turnover in sugar beet. <i>European Journal of Agronomy</i> , <b>2009</b> , 31, 69-76   | 5    | 23  |
| 11 | 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> , <b>2009</b> , 246, 78-91  | 10.3 | 21  |
| 10 | Phytoremediation trials on metal- and arsenic-contaminated pyrite wastes (Torviscosa, Italy). <i>Environmental Pollution</i> , <b>2009</b> , 157, 887-94  | 9.3  | 92  |
| 9  | Studying root distribution with geostatistics. <i>Plant Biosystems</i> , <b>2008</b> , 142, 428-433   | 1.6  | 4   |
| 8  | Can we cultivate erucic acid in southern Europe?. <i>Italian Journal of Agronomy</i> , <b>2006</b> , 1, 3   | 1.4  | 12  |
| 7  | 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> , <b>2006</b> , 89, 196-209  | 6.5  | 20  |
| 6  | A comparison of root characteristics in relation to nutrient and water stress in two maize hybrids. <i>Plant and Soil</i> , <b>2003</b> , 255, 157-167  | 4.2  | 48  |
| 5  | Analysis of root images from auger sampling with a fast procedure: a case of application to sugar beet. <i>Plant and Soil</i> , <b>2003</b> , 255, 387-397  | 4.2  | 29  |
| 4  | 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> , <b>2003</b> , 255, 169-177   | 4.2  | 23  |
| 3  | Field release of genetically marked <i>Azospirillum brasilense</i> in association with <i>Sorghum bicolor</i> L.. <i>Plant and Soil</i> , <b>2003</b> , 256, 281-290  | 4.2  | 22  |

- 2 Oil crops for biodiesel production in Italy. *Renewable Energy*, **1999**, 16, 1053-1056 8.1 33
- 1 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 5 18