Olimpia Pepe

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.

49 papers	2,015 citations	27 h-index	44 g-index
49 ext. papers	2,492 ext. citations	4.9 avg, IF	5.24 L-index

#	Paper	IF	Citations
49	Compost and microbial biostimulant applications improve plant growth and soil biological fertility of a grass-based phytostabilization system.. *Environmental Geochemistry and Health*, **2022**, 1	4.7	1
48	Biodegradable mulching vs traditional polyethylene film for sustainable solarization: Chemical properties and microbial community response to soil management. *Applied Soil Ecology*, **2021**, 163, 103921	5	8
47	Biostimulant Activity of Azotobacter chroococcum and Trichoderma harzianum in Durum Wheat under Water and Nitrogen Deficiency. *Agronomy*, **2021**, 11, 380	3.6	16
46	Bioformulations with Beneficial Microbial Consortia, a Bioactive Compound and Plant Biopolymers Modulate Sweet Basil Productivity, Photosynthetic Activity and Metabolites. *Pathogens*, **2021**, 10,	4.5	5
45	Copper accumulation in agricultural soils: Risks for the food chain and soil microbial populations. *Science of the Total Environment*, **2020**, 734, 139434	10.2	26
44	Methyl t-butyl ether-degrading bacteria for bioremediation and biocontrol purposes. *PLoS ONE*, **2020**, 15, e0228936	3.7	2
43	Effectiveness of Plant Beneficial Microbes: Overview of the Methodological Approaches for the Assessment of Root Colonization and Persistence. *Frontiers in Plant Science*, **2020**, 11, 6	6.2	43
42	Development and Application of Low-Cost and Eco-Sustainable Bio-Stimulant Containing a New Plant Growth-Promoting Strain TL13. *Frontiers in Microbiology*, **2020**, 11, 2044	5.7	6
41	P-Solubilizing MS1B15 With Multiple Plant Growth-Promoting Traits Enhance Barley Development and Regulate Rhizosphere Microbial Population. *Frontiers in Plant Science*, **2020**, 11, 1137	6.2	15
40	Securing of an Industrial Soil Using Turfgrass Assisted by Biostimulants and Compost Amendment. *Agronomy*, **2020**, 10, 1310	3.6	5
39	Bioprospecting of exopolysaccharide-producing bacteria from different natural ecosystems for biopolymer synthesis from vinasse. *Chemical and Biological Technologies in Agriculture*, **2019**, 6,	4.4	14
38	Improved production of succinic acid from growing on and process evaluation through material flow analysis. *Biotechnology for Biofuels*, **2019**, 12, 22	7.8	8
37	Pre-treatment and inoculum affect the microbial community structure and enhance the biogas reactor performance in a pilot-scale biodigestion of municipal solid waste. *Waste Management*, **2018**, 73, 69-77	8.6	29
36	Isolation of new cellulase and xylanase producing strains and application to lignocellulosic biomasses hydrolysis and succinic acid production. *Bioresource Technology*, **2018**, 259, 325-333	11	28
35	-Based Biostimulants Modulate Rhizosphere Microbial Populations and Improve N Uptake Efficiency, Yield, and Nutritional Quality of Leafy Vegetables. *Frontiers in Plant Science*, **2018**, 9, 743	6.2	122
34	Microbial Consortia: Promising Probiotics as Plant Biostimulants for Sustainable Agriculture. *Frontiers in Plant Science*, **2018**, 9, 1801	6.2	115
33	Comparative assessment of autochthonous bacterial and fungal communities and microbial biomarkers of polluted agricultural soils of the Terra dei Fuochi. *Scientific Reports*, **2018**, 8, 14281	4.9	35

32	Root inoculation with Azotobacter chroococcum 76A enhances tomato plants adaptation to salt stress under low N conditions. *BMC Plant Biology*, **2018**, 18, 205	5.3	50
31	Bio-Based Succinate Production from Arundo donax Hydrolysate with the New Natural Succinic Acid-Producing Strain Basfia succiniciproducens BPP7. *Bioenergy Research*, **2017**, 10, 488-498	3.1	36
30	Integrated systems for biopolymers and bioenergy production from organic waste and by-products: a review of microbial processes. *Biotechnology for Biofuels*, **2017**, 10, 113	7.8	87
29	Use of Compost from Chestnut Lignocellulosic Residues as Substrate for Tomato Growth. *Waste and Biomass Valorization*, **2017**, 8, 2711-2720	3.2	8
28	The role of biostimulants and bioeffectors as alleviators of abiotic stress in crop plants. *Chemical and Biological Technologies in Agriculture*, **2017**, 4,	4.4	297
27	Enrichment of Anammox Biomass from Different Seeding Sludge: Process Strategy and Microbial Diversity. *Water, Air, and Soil Pollution*, **2017**, 228, 1	2.6	10
26	Saccharification of newspaper waste after ammonia fiber expansion or extractive ammonia. *AMB Express*, **2016**, 6, 18	4.1	10
25	Changes in soil mineral N content and abundances of bacterial communities involved in N reactions under laboratory conditions as predictors of soil N availability to maize under field conditions. *Biology and Fertility of Soils*, **2016**, 52, 523-537	6.1	16
24	Bioreactors for lignocellulose conversion into fermentable sugars for production of high added value products. *Applied Microbiology and Biotechnology*, **2016**, 100, 597-611	5.7	52
23	Chestnut green waste composting for sustainable forest management: Microbiota dynamics and impact on plant disease control. *Journal of Environmental Management*, **2016**, 166, 168-77	7.9	58
22	Bio-based Chemical Production from Arundo donax Feedstock Fermentation using Cosenzaea myxofaciens BPM1. *BioResources*, **2016**, 11,	1.3	16
21	Lignocellulose-Adapted Endo-Cellulase Producing Streptomyces Strains for Bioconversion of Cellulose-Based Materials. *Frontiers in Microbiology*, **2016**, 7, 2061	5.7	44
20	Production of succinic acid from Basfia succiniciproducens up to the pilot scale from Arundo donax hydrolysate. *Bioresource Technology*, **2016**, 222, 355-360	11	40
19	Exploring the microbiota dynamics related to vegetable biomasses degradation and study of lignocellulose-degrading bacteria for industrial biotechnological application. *Scientific Reports*, **2015**, 5, 8161	4.9	76
18	The effect of Pleurotus ostreatus arabinofuranosidase and its evolved variant in lignocellulosic biomasses conversion. *Fungal Genetics and Biology*, **2014**, 72, 162-167	3.9	22
17	Methylobacterium populi VP2: plant growth-promoting bacterium isolated from a highly polluted environment for polycyclic aromatic hydrocarbon (PAH) biodegradation. *Scientific World Journal, The*, **2014**, 2014, 931793	2.2	42
16	Identification and Characterisation of a Pectinolytic Enzyme from Paenibacillus xylanolyticus. *BioResources*, **2014**, 9,	1.3	21
15	Industrial waste based compost as a source of novel cellulolytic strains and enzymes. *FEMS Microbiology Letters*, **2013**, 339, 93-101	2.9	38

14	Dynamic of functional microbial groups during mesophilic composting of agro-industrial wastes and free-living (N2)-fixing bacteria application. *Waste Management*, **2013**, 33, 1616-25	8.6	80
13	Prebiotic content of bread prepared with flour from immature wheat grain and selected dextran-producing lactic acid bacteria. *Applied and Environmental Microbiology*, **2013**, 79, 3779-85	4.8	38
12	Chestnut Biomass Biodegradation for Sustainable Agriculture. *BioResources*, **2013**, 8,	1.3	16
11	Influence of Different Lignocellulose Sources on Endo-1,4-□Glucanase Gene Expression and Enzymatic Activity of Bacillus amyloliquefaciens B31C. *BioResources*, **2013**, 9,	1.3	14
10	Cloning and recombinant expression of a cellulase from the cellulolytic strain Streptomyces sp. G12 isolated from compost. *Microbial Cell Factories*, **2012**, 11, 164	6.4	40
9	Polyphasic screening, homopolysaccharide composition, and viscoelastic behavior of wheat Sourdough from a Leuconostoc lactis and Lactobacillus curvatus exopolysaccharide-producing starter culture. *Applied and Environmental Microbiology*, **2012**, 78, 2737-47	4.8	45
8	Microbial characterization of sourdough for sweet baked products in the Campania region (southern Italy) by a polyphasic approach. *Annals of Microbiology*, **2011**, 61, 307-314	3.2	29
7	Selection and use of phytate-degrading LAB to improve cereal-based products by mineral solubilization during dough fermentation. *Journal of Food Science*, **2010**, 75, M28-35	3.4	63
6	Lactobacillus strain diversity based on partial hsp60 gene sequences and design of PCR-restriction fragment length polymorphism assays for species identification and differentiation. *Applied and Environmental Microbiology*, **2008**, 74, 208-15	4.8	72
5	Improvement of Frozen Dough Stability Using a Cryoresistant Yeast Strain and Refreshment. *Cereal Chemistry*, **2005**, 82, 239-241	2.4	2
4	Technological and molecular diversity of Lactobacillus plantarum strains isolated from naturally fermented sourdoughs. *Systematic and Applied Microbiology*, **2004**, 27, 443-53	4.2	53
3	Rope-producing strains of Bacillus spp. from wheat bread and strategy for their control by lactic acid bacteria. *Applied and Environmental Microbiology*, **2003**, 69, 2321-9	4.8	84
2	Differential viable count of mixed starter cultures of lactic acid bacteria in doughs by using modified Chalmers medium. *Microbiological Research*, **2001**, 155, 351-4	5.3	9
1	Enterocin 226NWC, a bacteriocin produced by Enterococcus faecalis 226, active against Listeria monocytogenes. *Journal of Applied Bacteriology*, **1993**, 74, 380-7		69