

# Olimpia Pepe

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/12034065/olimpia-pepe-publications-by-citations.pdf>  
**Version:** 2024-04-11

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.

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	The role of biostimulants and bioeffectors as alleviators of abiotic stress in crop plants. <i>Chemical and Biological Technologies in Agriculture</i> , <b>2017</b> , 4,	4.4	297
48	-Based Biostimulants Modulate Rhizosphere Microbial Populations and Improve N Uptake Efficiency, Yield, and Nutritional Quality of Leafy Vegetables. <i>Frontiers in Plant Science</i> , <b>2018</b> , 9, 743	6.2	122
47	Microbial Consortia: Promising Probiotics as Plant Biostimulants for Sustainable Agriculture. <i>Frontiers in Plant Science</i> , <b>2018</b> , 9, 1801	6.2	115
46	Integrated systems for biopolymers and bioenergy production from organic waste and by-products: a review of microbial processes. <i>Biotechnology for Biofuels</i> , <b>2017</b> , 10, 113	7.8	87
45	Rope-producing strains of <i>Bacillus</i> spp. from wheat bread and strategy for their control by lactic acid bacteria. <i>Applied and Environmental Microbiology</i> , <b>2003</b> , 69, 2321-9	4.8	84
44	Dynamic of functional microbial groups during mesophilic composting of agro-industrial wastes and free-living (N <sub>2</sub> )-fixing bacteria application. <i>Waste Management</i> , <b>2013</b> , 33, 1616-25	8.6	80
43	Exploring the microbiota dynamics related to vegetable biomasses degradation and study of lignocellulose-degrading bacteria for industrial biotechnological application. <i>Scientific Reports</i> , <b>2015</b> , 5, 8161	4.9	76
42	Lactobacillus strain diversity based on partial hsp60 gene sequences and design of PCR-restriction fragment length polymorphism assays for species identification and differentiation. <i>Applied and Environmental Microbiology</i> , <b>2008</b> , 74, 208-15	4.8	72
41	Enterocin 226NWC, a bacteriocin produced by <i>Enterococcus faecalis</i> 226, active against <i>Listeria monocytogenes</i> . <i>Journal of Applied Bacteriology</i> , <b>1993</b> , 74, 380-7		69
40	Selection and use of phytate-degrading LAB to improve cereal-based products by mineral solubilization during dough fermentation. <i>Journal of Food Science</i> , <b>2010</b> , 75, M28-35	3.4	63
39	Chestnut green waste composting for sustainable forest management: Microbiota dynamics and impact on plant disease control. <i>Journal of Environmental Management</i> , <b>2016</b> , 166, 168-77	7.9	58
38	Technological and molecular diversity of <i>Lactobacillus plantarum</i> strains isolated from naturally fermented sourdoughs. <i>Systematic and Applied Microbiology</i> , <b>2004</b> , 27, 443-53	4.2	53
37	Bioreactors for lignocellulose conversion into fermentable sugars for production of high added value products. <i>Applied Microbiology and Biotechnology</i> , <b>2016</b> , 100, 597-611	5.7	52
36	Root inoculation with <i>Azotobacter chroococcum</i> 76A enhances tomato plants adaptation to salt stress under low N conditions. <i>BMC Plant Biology</i> , <b>2018</b> , 18, 205	5.3	50
35	Polyphasic screening, homopolysaccharide composition, and viscoelastic behavior of wheat Sourdough from a <i>Leuconostoc lactis</i> and <i>Lactobacillus curvatus</i> exopolysaccharide-producing starter culture. <i>Applied and Environmental Microbiology</i> , <b>2012</b> , 78, 2737-47	4.8	45
34	Lignocellulose-Adapted Endo-Cellulase Producing <i>Streptomyces</i> Strains for Bioconversion of Cellulose-Based Materials. <i>Frontiers in Microbiology</i> , <b>2016</b> , 7, 2061	5.7	44
33	Effectiveness of Plant Beneficial Microbes: Overview of the Methodological Approaches for the Assessment of Root Colonization and Persistence. <i>Frontiers in Plant Science</i> , <b>2020</b> , 11, 6	6.2	43

32	Methylobacterium populi VP2: plant growth-promoting bacterium isolated from a highly polluted environment for polycyclic aromatic hydrocarbon (PAH) biodegradation. <i>Scientific World Journal, The</i> , <b>2014</b> , 2014, 931793	2.2	42
31	Cloning and recombinant expression of a cellulase from the cellulolytic strain Streptomyces sp. G12 isolated from compost. <i>Microbial Cell Factories</i> , <b>2012</b> , 11, 164	6.4	40
30	Production of succinic acid from Basfia succiniciproducens up to the pilot scale from Arundo donax hydrolysate. <i>Bioresource Technology</i> , <b>2016</b> , 222, 355-360	11	40
29	Industrial waste based compost as a source of novel cellulolytic strains and enzymes. <i>FEMS Microbiology Letters</i> , <b>2013</b> , 339, 93-101	2.9	38
28	Prebiotic content of bread prepared with flour from immature wheat grain and selected dextran-producing lactic acid bacteria. <i>Applied and Environmental Microbiology</i> , <b>2013</b> , 79, 3779-85	4.8	38
27	Bio-Based Succinate Production from Arundo donax Hydrolysate with the New Natural Succinic Acid-Producing Strain Basfia succiniciproducens BPP7. <i>Bioenergy Research</i> , <b>2017</b> , 10, 488-498	3.1	36
26	Comparative assessment of autochthonous bacterial and fungal communities and microbial biomarkers of polluted agricultural soils of the Terra dei Fuochi. <i>Scientific Reports</i> , <b>2018</b> , 8, 14281	4.9	35
25	Pre-treatment and inoculum affect the microbial community structure and enhance the biogas reactor performance in a pilot-scale biodigestion of municipal solid waste. <i>Waste Management</i> , <b>2018</b> , 73, 69-77	8.6	29
24	Microbial characterization of sourdough for sweet baked products in the Campania region (southern Italy) by a polyphasic approach. <i>Annals of Microbiology</i> , <b>2011</b> , 61, 307-314	3.2	29
23	Isolation of new cellulase and xylanase producing strains and application to lignocellulosic biomasses hydrolysis and succinic acid production. <i>Bioresource Technology</i> , <b>2018</b> , 259, 325-333	11	28
22	Copper accumulation in agricultural soils: Risks for the food chain and soil microbial populations. <i>Science of the Total Environment</i> , <b>2020</b> , 734, 139434	10.2	26
21	The effect of Pleurotus ostreatus arabinofuranosidase and its evolved variant in lignocellulosic biomasses conversion. <i>Fungal Genetics and Biology</i> , <b>2014</b> , 72, 162-167	3.9	22
20	Identification and Characterisation of a Pectinolytic Enzyme from Paenibacillus xylanolyticus. <i>BioResources</i> , <b>2014</b> , 9,	1.3	21
19	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. <i>Biology and Fertility of Soils</i> , <b>2016</b> , 52, 523-537	6.1	16
18	Chestnut Biomass Biodegradation for Sustainable Agriculture. <i>BioResources</i> , <b>2013</b> , 8,	1.3	16
17	Bio-based Chemical Production from Arundo donax Feedstock Fermentation using Cosenzaea myxofaciens BPM1. <i>BioResources</i> , <b>2016</b> , 11,	1.3	16
16	Biostimulant Activity of Azotobacter chroococcum and Trichoderma harzianum in Durum Wheat under Water and Nitrogen Deficiency. <i>Agronomy</i> , <b>2021</b> , 11, 380	3.6	16
15	P-Solubilizing MS1B15 With Multiple Plant Growth-Promoting Traits Enhance Barley Development and Regulate Rhizosphere Microbial Population. <i>Frontiers in Plant Science</i> , <b>2020</b> , 11, 1137	6.2	15

14	Bioprospecting of exopolysaccharide-producing bacteria from different natural ecosystems for biopolymer synthesis from vinasse. <i>Chemical and Biological Technologies in Agriculture</i> , <b>2019</b> , 6,	4.4	14
13	Influence of Different Lignocellulose Sources on Endo-1,4- $\beta$ -Glucanase Gene Expression and Enzymatic Activity of <i>Bacillus amyloliquefaciens</i> B31C. <i>BioResources</i> , <b>2013</b> , 9,	1.3	14
12	Enrichment of Anammox Biomass from Different Seeding Sludge: Process Strategy and Microbial Diversity. <i>Water, Air, and Soil Pollution</i> , <b>2017</b> , 228, 1	2.6	10
11	Saccharification of newspaper waste after ammonia fiber expansion or extractive ammonia. <i>AMB Express</i> , <b>2016</b> , 6, 18	4.1	10
10	Differential viable count of mixed starter cultures of lactic acid bacteria in doughs by using modified Chalmers medium. <i>Microbiological Research</i> , <b>2001</b> , 155, 351-4	5.3	9
9	Use of Compost from Chestnut Lignocellulosic Residues as Substrate for Tomato Growth. <i>Waste and Biomass Valorization</i> , <b>2017</b> , 8, 2711-2720	3.2	8
8	Improved production of succinic acid from growing on and process evaluation through material flow analysis. <i>Biotechnology for Biofuels</i> , <b>2019</b> , 12, 22	7.8	8
7	Biodegradable mulching vs traditional polyethylene film for sustainable solarization: Chemical properties and microbial community response to soil management. <i>Applied Soil Ecology</i> , <b>2021</b> , 163, 103921	5.1	8
6	Development and Application of Low-Cost and Eco-Sustainable Bio-Stimulant Containing a New Plant Growth-Promoting Strain TL13. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 2044	5.7	6
5	Securing of an Industrial Soil Using Turfgrass Assisted by Biostimulants and Compost Amendment. <i>Agronomy</i> , <b>2020</b> , 10, 1310	3.6	5
4	Bioformulations with Beneficial Microbial Consortia, a Bioactive Compound and Plant Biopolymers Modulate Sweet Basil Productivity, Photosynthetic Activity and Metabolites. <i>Pathogens</i> , <b>2021</b> , 10,	4.5	5
3	Methyl t-butyl ether-degrading bacteria for bioremediation and biocontrol purposes. <i>PLoS ONE</i> , <b>2020</b> , 15, e0228936	3.7	2
2	Improvement of Frozen Dough Stability Using a Cryoresistant Yeast Strain and Refreshment. <i>Cereal Chemistry</i> , <b>2005</b> , 82, 239-241	2.4	2
1	Compost and microbial biostimulant applications improve plant growth and soil biological fertility of a grass-based phytostabilization system.. <i>Environmental Geochemistry and Health</i> , <b>2022</b> , 1	4.7	1