

# Gerardo Puopolo

## List of Publications by Citations

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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

899  
citations

17  
h-index

28  
g-index

50  
ext. papers

1,205  
ext. citations

4.3  
avg, IF

4.48  
L-index

#	Paper	IF	Citations
49	Resilience of the natural phyllosphere microbiota of the grapevine to chemical and biological pesticides. <i>Applied and Environmental Microbiology</i> , <b>2014</b> , 80, 3585-96	4.8	99
48	Lysobacter capsici AZ78 produces cyclo(L-Pro-L-Tyr), a 2,5-diketopiperazine with toxic activity against sporangia of Phytophthora infestans and Plasmopara viticola. <i>Journal of Applied Microbiology</i> , <b>2014</b> , 117, 1168-80	4.7	62
47	Assessing soil quality under intensive cultivation and tree orchards in Southern Italy. <i>Applied Soil Ecology</i> , <b>2011</b> , 47, 184-194	5	61
46	Growth media affect the volatilome and antimicrobial activity against Phytophthora infestans in four Lysobacter type strains. <i>Microbiological Research</i> , <b>2017</b> , 201, 52-62	5.3	50
45	Lysobacter capsici AZ78 can be combined with copper to effectively control Plasmopara viticola on grapevine. <i>Microbiological Research</i> , <b>2014</b> , 169, 633-42	5.3	42
44	The impact of the omics era on the knowledge and use of Lysobacter species to control phytopathogenic micro-organisms. <i>Journal of Applied Microbiology</i> , <b>2018</b> , 124, 15-27	4.7	40
43	Limited impact of abiotic stress on surfactin production in planta and on disease resistance induced by Bacillus amyloliquefaciens S499 in tomato and bean. <i>FEMS Microbiology Ecology</i> , <b>2013</b> , 86, 505-19	4.3	34
42	Diversity in Endophyte Populations Reveals Functional and Taxonomic Diversity between Wild and Domesticated Grapevines. <i>American Journal of Enology and Viticulture</i> , <b>2015</b> , 66, 12-21	2.2	33
41	Biocontrol of cypress canker by the phenazine producer Pseudomonas chlororaphis subsp. aureofaciens strain M71. <i>Biological Control</i> , <b>2011</b> , 58, 133-138	3.8	33
40	Insights on the susceptibility of plant pathogenic fungi to phenazine-1-carboxylic acid and its chemical derivatives. <i>Natural Product Research</i> , <b>2013</b> , 27, 956-66	2.3	32
39	Fusarium oxysporum f.sp. radicle-lycopersici induces distinct transcriptome reprogramming in resistant and susceptible isogenic tomato lines. <i>BMC Plant Biology</i> , <b>2016</b> , 16, 53	5.3	30
38	The Lysobacter capsici AZ78 Genome Has a Gene Pool Enabling it to Interact Successfully with Phytopathogenic Microorganisms and Environmental Factors. <i>Frontiers in Microbiology</i> , <b>2016</b> , 7, 96	5.7	25
37	Dual RNA-Seq of Lysobacter capsici AZ78 - Phytophthora infestans interaction shows the implementation of attack strategies by the bacterium and unsuccessful oomycete defense responses. <i>Environmental Microbiology</i> , <b>2017</b> , 19, 4113-4125	5.2	22
36	Is the mycoparasitic activity of Ampelomyces quisqualis biocontrol strains related to phylogeny and hydrolytic enzyme production?. <i>Biological Control</i> , <b>2012</b> , 63, 348-358	3.8	22
35	Complete genome sequence of Bacillus amyloliquefaciens subsp. plantarum S499, a rhizobacterium that triggers plant defences and inhibits fungal phytopathogens. <i>Journal of Biotechnology</i> , <b>2016</b> , 238, 56-59	3.7	21
34	Involvement of phenazine-1-carboxylic acid in the interaction between Pseudomonas chlororaphis subsp. aureofaciens strain M71 and Seiridium cardinale in vivo. <i>Microbiological Research</i> , <b>2017</b> , 199, 49-56	5.3	18
33	Cyclo(L-PRO-L-TYR), The Fungicide Isolated From Lysobacter Capsici AZ78: A Structure-Activity Relationship Study. <i>Chemistry of Heterocyclic Compounds</i> , <b>2014</b> , 50, 290-295	1.4	17

32	Stepwise flow diagram for the development of formulations of non spore-forming bacteria against foliar pathogens: The case of <i>Lysobacter capsici</i> AZ78. <i>Journal of Biotechnology</i> , <b>2015</b> , 216, 56-64	3-7	17
31	Proteomic investigation of response to FORL infection in tomato roots. <i>Plant Physiology and Biochemistry</i> , <b>2014</b> , 74, 42-9	5-4	16
30	The rhizosphere signature on the cell motility, biofilm formation and secondary metabolite production of a plant-associated <i>Lysobacter</i> strain. <i>Microbiological Research</i> , <b>2020</b> , 234, 126424	5-3	16
29	Selection of plant growth promoting rhizobacteria sharing suitable features to be commercially developed as biostimulant products. <i>Microbiological Research</i> , <b>2021</b> , 245, 126672	5-3	16
28	Pea Broth Enhances the Biocontrol Efficacy of <i>Lysobacter capsici</i> AZ78 by Triggering Cell Motility Associated with Biogenesis of Type IV Pilus. <i>Frontiers in Microbiology</i> , <b>2016</b> , 7, 1136	5-7	15
27	Volatile Organic Compounds From AZ78 as Potential Candidates for Biological Control of Soilborne Plant Pathogens. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 1748	5-7	13
26	Ecological impact of a rare sugar on grapevine phyllosphere microbial communities. <i>Microbiological Research</i> , <b>2020</b> , 232, 126387	5-3	13
25	Leaf Treatments with a Protein-Based Resistance Inducer Partially Modify Phyllosphere Microbial Communities of Grapevine. <i>Frontiers in Plant Science</i> , <b>2016</b> , 7, 1053	6-2	13
24	A complex protein derivative acts as biogenic elicitor of grapevine resistance against powdery mildew under field conditions. <i>Frontiers in Plant Science</i> , <b>2015</b> , 6, 715	6-2	12
23	The Rare Sugar Tagatose Differentially Inhibits the Growth of and by Interfering With Mitochondrial Processes. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 128	5-7	10
22	Transcriptomic responses of a simplified soil microcosm to a plant pathogen and its biocontrol agent reveal a complex reaction to harsh habitat. <i>BMC Genomics</i> , <b>2016</b> , 17, 838	4-5	10
21	Structural characterization of the O-chain polysaccharide from an environmentally beneficial bacterium <i>Pseudomonas chlororaphis</i> subsp. <i>aureofaciens</i> strain M71. <i>Carbohydrate Research</i> , <b>2011</b> , 346, 2705-9	2-9	10
20	Humic Acid Enhances the Growth of Tomato Promoted by Endophytic Bacterial Strains Through the Activation of Hormone-, Growth-, and Transcription-Related Processes. <i>Frontiers in Plant Science</i> , <b>2020</b> , 11, 582267	6-2	10
19	Key Impact of an Uncommon Plasmid on subsp. S499 Developmental Traits and Lipopeptide Production. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 17	5-7	9
18	Impact of temperature on the survival and the biocontrol efficacy of <i>Lysobacter capsici</i> AZ78 against <i>Phytophthora infestans</i> . <i>BioControl</i> , <b>2015</b> , 60, 681-689	2-3	9
17	Draft Genome Sequence of <i>Lysobacter capsici</i> AZ78, a Bacterium Antagonistic to Plant-Pathogenic Oomycetes. <i>Genome Announcements</i> , <b>2014</b> , 2,		9
16	Can Bacterial Endophytes Be Used as a Promising Bio-Inoculant for the Mitigation of Salinity Stress in Crop Plants?-A Global Meta-Analysis of the Last Decade (2011-2020). <i>Microorganisms</i> , <b>2021</b> , 9,	4-9	8
15	Monitoring <i>Lysobacter capsici</i> AZ78 using strain specific qPCR reveals the importance of the formulation for its survival in vineyards. <i>FEMS Microbiology Letters</i> , <b>2016</b> , 363,	2-9	7

14	Pseudomonas chlororaphis metabolites as biocontrol promoters of plant health and improved crop yield. <i>World Journal of Microbiology and Biotechnology</i> , <b>2021</b> , 37, 99	4.4	6
13	Evidence of pAgK84 transfer from Agrobacterium rhizogenes K84 to natural pathogenic Agrobacterium spp. in an Italian peach nursery. <i>Plant Pathology</i> , <b>2009</b> , 58, 745-753	2.8	5
12	Bioformulation of Microbial Biocontrol Agents for a Sustainable Agriculture. <i>Progress in Biological Control</i> , <b>2020</b> , 275-293	0.6	5
11	The Differential Growth Inhibition of spp. Caused by the Rare Sugar Tagatose Is Associated With Species-Specific Metabolic and Transcriptional Changes. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 711545	5.7	5
10	Volatile-Mediated Inhibitory Activity of Rhizobacteria as a Result of Multiple Factors Interaction: The Case of AZ78. <i>Microorganisms</i> , <b>2020</b> , 8,	4.9	4
9	Impact of spontaneous mutations on physiological traits and biocontrol activity of Pseudomonas chlororaphis M71. <i>Microbiological Research</i> , <b>2020</b> , 239, 126517	5.3	4
8	Isolation of 2,5-diketopiperazines from AZ78 with activity against. <i>Natural Product Research</i> , <b>2021</b> , 35, 4969-4977	2.3	4
7	Functional divergence of flagellar type III secretion system: A case study in a non-flagellated, predatory bacterium. <i>Computational and Structural Biotechnology Journal</i> , <b>2020</b> , 18, 3368-3376	6.8	3
6	Characterisation of the Antibiotic Profile of AZ78, an Effective Biological Control Agent of Plant Pathogenic Microorganisms. <i>Microorganisms</i> , <b>2021</b> , 9,	4.9	3
5	Ecological Role of Volatile Organic Compounds Emitted by as Interspecies and Interkingdom Signals. <i>Microorganisms</i> , <b>2021</b> , 9,	4.9	2
4	Lysobacter enzymogenes antagonizes soilborne bacteria using the type IV secretion system. <i>Environmental Microbiology</i> , <b>2021</b> , 23, 4673-4688	5.2	2
3	Evaluation of plant protection efficacy in field conditions and side effects of Lysobacter capsici AZ78, a biocontrol agent of Plasmopara viticola. <i>Biocontrol Science and Technology</i> , 1-22	1.7	2
2	Lysobacter <b>2020</b> , 313-338		0
1	The Perception of Rhizosphere Bacterial Communication Signals Leads to Transcriptome Reprogramming in AZ78, a Plant Beneficial Bacterium. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 725403	5.7	0