

# Paolina Garbeva

## 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.

72  
papers

6,664  
citations

38  
h-index

79  
g-index

79  
ext. papers

8,721  
ext. citations

6.3  
avg, IF

6.45  
L-index

#	Paper	IF	Citations
72	Air Ambulance: Antimicrobial Power of Bacterial Volatiles.. <i>Antibiotics</i> , <b>2022</b> , 11,	4.9	3
71	The nitrification inhibitor nitrapyrin has non-target effects on the soil microbial community structure, composition, and functions. <i>Applied Soil Ecology</i> , <b>2022</b> , 171, 104350	5	2
70	Biosynthesis, evolution and ecology of microbial terpenoids. <i>Natural Product Reports</i> , <b>2021</b> ,	15.1	7
69	Dissecting Disease-Suppressive Rhizosphere Microbiomes by Functional Amplicon Sequencing and 10[Metagenomics. <i>MSystems</i> , <b>2021</b> , 6, e0111620	7.6	11
68	The Chemistry of Stress: Understanding the Cry for Help of Plant Roots. <i>Metabolites</i> , <b>2021</b> , 11,	5.6	11
67	Intraspecific variation in multiple trait responses of <i>Alexandrium ostenfeldii</i> towards elevated pCO. <i>Harmful Algae</i> , <b>2021</b> , 101, 101970	5.3	1
66	Microbial volatile organic compounds in intra-kingdom and inter-kingdom interactions. <i>Nature Reviews Microbiology</i> , <b>2021</b> , 19, 391-404	22.2	67
65	Disentangling soil microbiome functions by perturbation. <i>Environmental Microbiology Reports</i> , <b>2021</b> , 13, 582-590	3.7	1
64	Antimicrobial Compounds in the Volatilome of Social Spider Communities. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 700693	5.7	3
63	Microbial and volatile profiling of soils suppressive to of wheat. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2020</b> , 287, 20192527	4.4	10
62	Volatile Interplay Between Microbes: Friends and Foes <b>2020</b> , 215-235		2
61	The ecological role of bacterial seed endophytes associated with wild cabbage in the United Kingdom. <i>MicrobiologyOpen</i> , <b>2020</b> , 9, e00954	3.4	8
60	Effects of plastic mulch film residues on wheat rhizosphere and soil properties. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 387, 121711	12.8	131
59	Production of ammonia as a low-cost and long-distance antibiotic strategy by <i>Streptomyces</i> species. <i>ISME Journal</i> , <b>2020</b> , 14, 569-583	11.9	21
58	Airborne medicine: bacterial volatiles and their influence on plant health. <i>New Phytologist</i> , <b>2020</b> , 226, 32-43	9.8	49
57	Investigating the effect of belowground microbial volatiles on plant nutrient status: perspective and limitations. <i>Journal of Plant Interactions</i> , <b>2020</b> , 15, 188-195	3.8	6
56	A non-invasive soil-based setup to study tomato root volatiles released by healthy and infected roots. <i>Scientific Reports</i> , <b>2020</b> , 10, 12704	4.9	12

55	Volatile-mediated antagonism of soil bacterial communities against fungi. <i>Environmental Microbiology</i> , <b>2020</b> , 22, 1025-1035	5.2	24
54	Phylogenomic analyses and distribution of terpene synthases among. <i>Beilstein Journal of Organic Chemistry</i> , <b>2019</b> , 15, 1181-1193	2.5	15
53	Biological activities associated with the volatile compound 2,5-bis(1-methylethyl)-pyrazine. <i>FEMS Microbiology Letters</i> , <b>2019</b> , 366,	2.9	13
52	Root traits and belowground herbivores relate to plant-soil feedback variation among congeners. <i>Nature Communications</i> , <b>2019</b> , 10, 1564	17.4	39
51	Microbe-driven chemical ecology: past, present and future. <i>ISME Journal</i> , <b>2019</b> , 13, 2656-2663	11.9	48
50	Pathogen suppression by microbial volatile organic compounds in soils. <i>FEMS Microbiology Ecology</i> , <b>2019</b> , 95,	4.3	31
49	The effect of isabelin, a sesquiterpene lactone from <i>Ambrosia artemisiifolia</i> on soil microorganisms and human pathogens. <i>FEMS Microbiology Letters</i> , <b>2018</b> , 365,	2.9	3
48	Calling from distance: attraction of soil bacteria by plant root volatiles. <i>ISME Journal</i> , <b>2018</b> , 12, 1252-1262	11.9	108
47	Decay of low-density polyethylene by bacteria extracted from earthworm guts: A potential for soil restoration. <i>Science of the Total Environment</i> , <b>2018</b> , 624, 753-757	10.2	158
46	Deciphering the genome and secondary metabolome of the plant pathogen <i>Fusarium culmorum</i> . <i>FEMS Microbiology Ecology</i> , <b>2018</b> , 94,	4.3	7
45	Healthy scents: microbial volatiles as new frontier in antibiotic research?. <i>Current Opinion in Microbiology</i> , <b>2018</b> , 45, 84-91	7.9	33
44	Macro- and micro- plastics in soil-plant system: Effects of plastic mulch film residues on wheat ( <i>Triticum aestivum</i> ) growth. <i>Science of the Total Environment</i> , <b>2018</b> , 645, 1048-1056	10.2	335
43	Growth promotion and inhibition induced by interactions of groundwater bacteria. <i>FEMS Microbiology Ecology</i> , <b>2018</b> , 94,	4.3	10
42	LAESI mass spectrometry imaging as a tool to differentiate the root metabolome of native and range-expanding plant species. <i>Planta</i> , <b>2018</b> , 248, 1515-1523	4.7	12
41	Fungal volatile compounds induce production of the secondary metabolite Sodorifen in <i>Serratia plymuthica</i> PRI-2C. <i>Scientific Reports</i> , <b>2017</b> , 7, 862	4.9	65
40	The prey's scent - Volatile organic compound mediated interactions between soil bacteria and their protist predators. <i>ISME Journal</i> , <b>2017</b> , 11, 817-820	11.9	70
39	Exploring bacterial interspecific interactions for discovery of novel antimicrobial compounds. <i>Microbial Biotechnology</i> , <b>2017</b> , 10, 910-925	6.3	37
38	The Ecological Role of Volatile and Soluble Secondary Metabolites Produced by Soil Bacteria. <i>Trends in Microbiology</i> , <b>2017</b> , 25, 280-292	12.4	205

37	The antimicrobial volatile power of the rhizospheric isolate <i>Pseudomonas donghuensis</i> P482. <i>PLoS ONE</i> , <b>2017</b> , 12, e0174362	3.7	86
36	Fungus-associated bacteriome in charge of their host behavior. <i>Fungal Genetics and Biology</i> , <b>2017</b> , 102, 38-48	3.9	20
35	Belowground Plant-Herbivore Interactions Vary among Climate-Driven Range-Expanding Plant Species with Different Degrees of Novel Chemistry. <i>Frontiers in Plant Science</i> , <b>2017</b> , 8, 1861	6.2	18
34	Microbial Volatiles: Small Molecules with an Important Role in Intra- and Inter-Kingdom Interactions. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 2484	5.7	164
33	Calling in the Dark: The Role of Volatiles for Communication in the Rhizosphere. <i>Signaling and Communication in Plants</i> , <b>2016</b> , 175-210	1	20
32	Validation of the AlamarBlue <sup>®</sup> Assay as a Fast Screening Method to Determine the Antimicrobial Activity of Botanical Extracts. <i>PLoS ONE</i> , <b>2016</b> , 11, e0169090	3.7	11
31	Über 1,3-Hydrivverschiebungen in Sesquiterpen-Cyclisierungen. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 13791-13794	3.4	29
30	Lessons from 1,3-Hydriv Shifts in Sesquiterpene Cyclizations. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 13593-13596	16.4	46
29	Exploring the genomic traits of fungus-feeding bacterial genus <i>Collimonas</i> . <i>BMC Genomics</i> , <b>2015</b> , 16, 1103	4.5	39
28	A fragrant neighborhood: volatile mediated bacterial interactions in soil. <i>Frontiers in Microbiology</i> , <b>2015</b> , 6, 1212	5.7	64
27	Volatiles in Inter-Specific Bacterial Interactions. <i>Frontiers in Microbiology</i> , <b>2015</b> , 6, 1412	5.7	57
26	Volatile affairs in microbial interactions. <i>ISME Journal</i> , <b>2015</b> , 9, 2329-35	11.9	253
25	Non-random species loss in bacterial communities reduces antifungal volatile production. <i>Ecology</i> , <b>2015</b> , 96, 2042-8	4.6	77
24	The effect of phylogenetically different bacteria on the fitness of <i>Pseudomonas fluorescens</i> in sand microcosms. <i>PLoS ONE</i> , <b>2015</b> , 10, e0119838	3.7	15
23	Microbial Small Talk: Volatiles in Fungal-Bacterial Interactions. <i>Frontiers in Microbiology</i> , <b>2015</b> , 6, 1495	5.7	105
22	Volatiles produced by the mycophagous soil bacterium <i>Collimonas</i> . <i>FEMS Microbiology Ecology</i> , <b>2014</b> , 87, 639-49	4.3	103
21	Draft Genome Sequence of <i>Pedobacter</i> sp. Strain V48, Isolated from a Coastal Sand Dune in the Netherlands. <i>Genome Announcements</i> , <b>2014</b> , 2,		2
20	Impact of interspecific interactions on antimicrobial activity among soil bacteria. <i>Frontiers in Microbiology</i> , <b>2014</b> , 5, 567	5.7	77

19	Volatile-mediated interactions between phylogenetically different soil bacteria. <i>Frontiers in Microbiology</i> , <b>2014</b> , 5, 289	5.7	112
18	The rhizosphere microbiome: significance of plant beneficial, plant pathogenic, and human pathogenic microorganisms. <i>FEMS Microbiology Reviews</i> , <b>2013</b> , 37, 634-63	15.1	1248
17	Draft genome sequence of the antagonistic rhizosphere bacterium <i>Serratia plymuthica</i> strain PRI-2C. <i>Journal of Bacteriology</i> , <b>2012</b> , 194, 4119-20	3.5	9
16	Transcriptional and antagonistic responses of <i>Pseudomonas fluorescens</i> Pf0-1 to phylogenetically different bacterial competitors. <i>ISME Journal</i> , <b>2011</b> , 5, 973-85	11.9	135
15	Fungistasis and general soil biostasis – A new synthesis. <i>Soil Biology and Biochemistry</i> , <b>2011</b> , 43, 469-477	7.5	95
14	No apparent costs for facultative antibiotic production by the soil bacterium <i>Pseudomonas fluorescens</i> Pf0-1. <i>PLoS ONE</i> , <b>2011</b> , 6, e27266	3.7	27
13	Inter-specific interactions between carbon-limited soil bacteria affect behavior and gene expression. <i>Microbial Ecology</i> , <b>2009</b> , 58, 36-46	4.4	61
12	Rhizosphere microbial community and its response to plant species and soil history. <i>Plant and Soil</i> , <b>2008</b> , 302, 19-32	4.2	206
11	Phylogeny of nitrite reductase ( <i>nirK</i> ) and nitric oxide reductase ( <i>norB</i> ) genes from <i>Nitrosospora</i> species isolated from soil. <i>FEMS Microbiology Letters</i> , <b>2007</b> , 266, 83-9	2.9	55
10	Detection and characterization of bacteria from the potato rhizosphere degrading N-acyl-homoserine lactone. <i>Canadian Journal of Microbiology</i> , <b>2006</b> , 52, 1006-15	3.2	90
9	Effect of above-ground plant species on soil microbial community structure and its impact on suppression of <i>Rhizoctonia solani</i> AG3. <i>Environmental Microbiology</i> , <b>2006</b> , 8, 233-46	5.2	172
8	Quantitative detection and diversity of the pyrrolnitrin biosynthetic locus in soil under different treatments. <i>Soil Biology and Biochemistry</i> , <b>2004</b> , 36, 1453-1463	7.5	39
7	Microbial diversity in soil: selection microbial populations by plant and soil type and implications for disease suppressiveness. <i>Annual Review of Phytopathology</i> , <b>2004</b> , 42, 243-70	10.8	923
6	Assessment of the diversity, and antagonism towards <i>Rhizoctonia solani</i> AG3, of <i>Pseudomonas</i> species in soil from different agricultural regimes. <i>FEMS Microbiology Ecology</i> , <b>2004</b> , 47, 51-64	4.3	135
5	Predominant <i>Bacillus</i> spp. in agricultural soil under different management regimes detected via PCR-DGGE. <i>Microbial Ecology</i> , <b>2003</b> , 45, 302-16	4.4	187
4	Effects of agronomical measures on the microbial diversity of soils as related to the suppression of soil-borne plant pathogens. <i>Biodegradation</i> , <b>2002</b> , 13, 29-40	4.1	148
3	Analysis of Endophytic Bacterial Communities of Potato by Plating and Denaturing Gradient Gel Electrophoresis (DGGE) of 16S rDNA Based PCR Fragments. <i>Microbial Ecology</i> , <b>2001</b> , 41, 369-383	4.4	192
2	Identification and sensitive endophytic detection of the fire blight pathogen <i>Erwinia amylovora</i> with 23S ribosomal DNA sequences and the polymerase chain reaction. <i>Plant Pathology</i> , <b>1996</b> , 45, 1139-1149	2.8	45

- 1 Recognition and Detection in Seed of the Xanthomonas Pathogens That Cause Cereal Leaf Streak Using rDNA Spacer Sequences and Polymerase Chain Reaction. *Phytopathology*, **1996**, 86, 63 3.8 25