

# Joyce E Loper

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/8857079/joyce-e-loper-publications-by-year.pdf>

**Version:** 2024-04-23

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.

59  
papers

4,622  
citations

32  
h-index

64  
g-index

64  
ext. papers

5,395  
ext. citations

6  
avg, IF

5.18  
L-index

#	Paper	IF	Citations
59	A polyne toxin produced by an antagonistic bacterium blinds and lyses a Chlamydomonas alga. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	5
58	The bacterium <i>Pseudomonas protegens</i> antagonizes the microalga <i>Chlamydomonas reinhardtii</i> using a blend of toxins. <i>Environmental Microbiology</i> , <b>2021</b> , 23, 5525-5540	5.2	4
57	Unexpected conservation and global transmission of agrobacterial virulence plasmids. <i>Science</i> , <b>2020</b> , 368,	33.3	22
56	Discovery of the Cyclic Lipopeptide Gacamide A by Genome Mining and Repair of the Defective GacA Regulator in <i>Pseudomonas fluorescens</i> Pf0-1. <i>Journal of Natural Products</i> , <b>2019</b> , 82, 301-308	4.9	21
55	Genomic and metabolic differences between <i>Pseudomonas putida</i> populations inhabiting sugarcane rhizosphere or bulk soil. <i>PLoS ONE</i> , <b>2019</b> , 14, e0223269	3.7	6
54	Protecting maize from rootworm damage with the combined application of arbuscular mycorrhizal fungi, <i>Pseudomonas</i> bacteria and entomopathogenic nematodes. <i>Scientific Reports</i> , <b>2019</b> , 9, 3127	4.9	19
53	Genome-based evolutionary history of <i>Pseudomonas</i> spp. <i>Environmental Microbiology</i> , <b>2018</b> , 20, 2142-2159	5.9	81
52	Secondary Metabolism and Interspecific Competition Affect Accumulation of Spontaneous Mutants in the GacS-GacA Regulatory System in. <i>MBio</i> , <b>2018</b> , 9,	7.8	23
51	Tropical soils are a reservoir for fluorescent <i>Pseudomonas</i> spp. biodiversity. <i>Environmental Microbiology</i> , <b>2018</b> , 20, 62-74	5.2	15
50	Genome variations between rhizosphere and bulk soil ecotypes of a <i>Pseudomonas koreensis</i> population. <i>Environmental Microbiology</i> , <b>2018</b> , 20, 4401-4414	5.2	12
49	Novel mechanism of metabolic co-regulation coordinates the biosynthesis of secondary metabolites in. <i>ELife</i> , <b>2017</b> , 6,	8.9	30
48	<i>Pseudomonas protegens</i> Pf-5 favours self-produced siderophore over free-loading in interspecies competition for iron. <i>Environmental Microbiology</i> , <b>2017</b> , 19, 3514-3525	5.2	12
47	Characterization of Toxin Complex Gene Clusters and Insect Toxicity of Bacteria Representing Four Subgroups of <i>Pseudomonas fluorescens</i> . <i>PLoS ONE</i> , <b>2016</b> , 11, e0161120	3.7	31
46	The Rare Codon AGA Is Involved in Regulation of Pyoluteorin Biosynthesis in <i>Pseudomonas protegens</i> Pf-5. <i>Frontiers in Microbiology</i> , <b>2016</b> , 7, 497	5.7	6
45	Disruption of Transporters Affiliated with Enantio-Pyochelin Biosynthesis Gene Cluster of <i>Pseudomonas protegens</i> Pf-5 Has Pleiotropic Effects. <i>PLoS ONE</i> , <b>2016</b> , 11, e0159884	3.7	3
44	Living on the edge: emergence of spontaneous gac mutations in <i>Pseudomonas protegens</i> during swarming motility. <i>Environmental Microbiology</i> , <b>2016</b> , 18, 3453-3465	5.2	16
43	Phloroglucinol functions as an intracellular and intercellular chemical messenger influencing gene expression in <i>Pseudomonas protegens</i> . <i>Environmental Microbiology</i> , <b>2016</b> , 18, 3296-3308	5.2	17

42	Rhizoxin analogs, orfamide A and chitinase production contribute to the toxicity of <i>Pseudomonas protegens</i> strain Pf-5 to <i>Drosophila melanogaster</i> . <i>Environmental Microbiology</i> , <b>2016</b> , 18, 3509-3521	5.2	36
41	The Rsm regulon of plant growth-promoting <i>Pseudomonas fluorescens</i> SS101: role of small RNAs in regulation of lipopeptide biosynthesis. <i>Microbial Biotechnology</i> , <b>2015</b> , 8, 296-310	6.3	15
40	An Interspecies Signaling System Mediated by Fusaric Acid Has Parallel Effects on Antifungal Metabolite Production by <i>Pseudomonas protegens</i> Strain Pf-5 and Antibiosis of <i>Fusarium</i> spp. <i>Applied and Environmental Microbiology</i> , <b>2015</b> , 82, 1372-1382	4.8	26
39	Investigations into the Biosynthesis, Regulation, and Self-Resistance of Toxoflavin in <i>Pseudomonas protegens</i> Pf-5. <i>ChemBioChem</i> , <b>2015</b> , 16, 1782-90	3.8	35
38	<i>Pseudomonas protegens</i> Pf-5 causes discoloration and pitting of mushroom caps due to the production of antifungal metabolites. <i>Molecular Plant-Microbe Interactions</i> , <b>2014</b> , 27, 733-46	3.6	15
37	Analysis of genome sequences from plant pathogenic <i>Rhodococcus</i> reveals genetic novelties in virulence loci. <i>PLoS ONE</i> , <b>2014</b> , 9, e101996	3.7	35
36	Ferric-pyoverdine recognition by Fpv outer membrane proteins of <i>Pseudomonas protegens</i> Pf-5. <i>Journal of Bacteriology</i> , <b>2013</b> , 195, 765-76	3.5	25
35	The effect of zinc limitation on the transcriptome of <i>Pseudomonas protegens</i> Pf-5. <i>Environmental Microbiology</i> , <b>2013</b> , 15, 702-15	5.2	45
34	Genes expressed by the biological control bacterium <i>Pseudomonas protegens</i> Pf-5 on seed surfaces under the control of the global regulators GacA and RpoS. <i>Environmental Microbiology</i> , <b>2013</b> , 15, 716-35	5.2	32
33	The Gac regulon of <i>Pseudomonas fluorescens</i> SBW25. <i>Environmental Microbiology Reports</i> , <b>2013</b> , 5, 608-19	3.7	36
32	Effect of tannic acid on the transcriptome of the soil bacterium <i>Pseudomonas protegens</i> Pf-5. <i>Applied and Environmental Microbiology</i> , <b>2013</b> , 79, 3141-5	4.8	14
31	Comparative genomics of plant-associated <i>Pseudomonas</i> spp.: insights into diversity and inheritance of traits involved in multitrophic interactions. <i>PLoS Genetics</i> , <b>2012</b> , 8, e1002784	6	43 <sup>2</sup>
30	The effect of iron limitation on the transcriptome and proteome of <i>Pseudomonas fluorescens</i> Pf-5. <i>PLoS ONE</i> , <b>2012</b> , 7, e39139	3.7	50
29	Phloroglucinol mediates cross-talk between the pyoluteorin and 2,4-diacetylphloroglucinol biosynthetic pathways in <i>Pseudomonas fluorescens</i> Pf-5. <i>Molecular Microbiology</i> , <b>2011</b> , 81, 395-414	4.1	60
28	TonB-dependent outer-membrane proteins and siderophore utilization in <i>Pseudomonas fluorescens</i> Pf-5. <i>BioMetals</i> , <b>2011</b> , 24, 193-213	3.4	37
27	Bacterial subfamily of LuxR regulators that respond to plant compounds. <i>Applied and Environmental Microbiology</i> , <b>2011</b> , 77, 4579-88	4.8	63
26	Inactivation of the GacA response regulator in <i>Pseudomonas fluorescens</i> Pf-5 has far-reaching transcriptomic consequences. <i>Environmental Microbiology</i> , <b>2010</b> , 12, 899-915	5.2	118
25	Lethality and developmental delay in <i>Drosophila melanogaster</i> larvae after ingestion of selected <i>Pseudomonas fluorescens</i> strains. <i>PLoS ONE</i> , <b>2010</b> , 5, e12504	3.7	42

24	Mobile genetic elements in the genome of the beneficial rhizobacterium <i>Pseudomonas fluorescens</i> PF-5. <i>BMC Microbiology</i> , <b>2009</b> , 9, 8	4.5	72
23	Genomics of secondary metabolite production by <i>Pseudomonas</i> spp. <i>Natural Product Reports</i> , <b>2009</b> , 26, 1408-46	15.1	405
22	Molecular analysis of a novel gene cluster encoding an insect toxin in plant-associated strains of <i>Pseudomonas fluorescens</i> . <i>Environmental Microbiology</i> , <b>2008</b> , 10, 2368-86	5.2	123
21	Isolation and identification of rhizoxin analogs from <i>Pseudomonas fluorescens</i> PF-5 by using a genomic mining strategy. <i>Applied and Environmental Microbiology</i> , <b>2008</b> , 74, 3085-93	4.8	95
20	Genomic analysis of antifungal metabolite production by <i>Pseudomonas fluorescens</i> PF-5 <b>2007</b> , 265-278		6
19	The genomisotopic approach: a systematic method to isolate products of orphan biosynthetic gene clusters. <i>Chemistry and Biology</i> , <b>2007</b> , 14, 53-63		231
18	Genomic analysis of antifungal metabolite production by <i>Pseudomonas fluorescens</i> PF-5. <i>European Journal of Plant Pathology</i> , <b>2007</b> , 119, 265-278	2.1	91
17	The Genomic Sequence of <i>Pseudomonas fluorescens</i> PF-5: Insights Into Biological Control. <i>Phytopathology</i> , <b>2007</b> , 97, 233-8	3.8	98
16	Genomics of <i>Pseudomonas fluorescens</i> PF-5 <b>2007</b> , 3-30		3
15	Complete genome sequence of the plant commensal <i>Pseudomonas fluorescens</i> PF-5. <i>Nature Biotechnology</i> , <b>2005</b> , 23, 873-8	44.5	522
14	Reciprocal regulation of pyoluteorin production with membrane transporter gene expression in <i>Pseudomonas fluorescens</i> PF-5. <i>Applied and Environmental Microbiology</i> , <b>2005</b> , 71, 6900-9	4.8	30
13	The sigma factor RpoS is required for stress tolerance and environmental fitness of <i>Pseudomonas fluorescens</i> PF-5. <i>Microbiology (United Kingdom)</i> , <b>2005</b> , 151, 3001-3009	2.9	42
12	Comparison of the complete genome sequences of <i>Pseudomonas syringae</i> pv. <i>syringae</i> B728a and pv. <i>tomato</i> DC3000. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 11064-9	11.5	354
11	Positive autoregulation and signaling properties of pyoluteorin, an antibiotic produced by the biological control organism <i>Pseudomonas fluorescens</i> PF-5. <i>Applied and Environmental Microbiology</i> , <b>2004</b> , 70, 1758-66	4.8	84
10	A Novel Antifungal Furanone from <i>Pseudomonas aureofaciens</i> , a Biocontrol Agent of Fungal Plant Pathogens. <i>Journal of Chemical Ecology</i> , <b>2000</b> , 26, 1515-1524	2.7	43
9	Lon protease influences antibiotic production and UV tolerance of <i>Pseudomonas fluorescens</i> PF-5. <i>Applied and Environmental Microbiology</i> , <b>2000</b> , 66, 2718-25	4.8	74
8	Utilization of heterologous siderophores enhances levels of iron available to <i>Pseudomonas putida</i> in the rhizosphere. <i>Applied and Environmental Microbiology</i> , <b>1999</b> , 65, 5357-63	4.8	195
7	Characterization of the pyoluteorin biosynthetic gene cluster of <i>Pseudomonas fluorescens</i> PF-5. <i>Journal of Bacteriology</i> , <b>1999</b> , 181, 2166-74	3.5	211

6	Involvement of Phenazines and Anthranilate in the Antagonism of <i>Pseudomonas aeruginosa</i> PNA1 and Tn5 Derivatives Toward <i>Fusarium</i> spp. and <i>Pythium</i> spp.. <i>Molecular Plant-Microbe Interactions</i> , <b>1998</b> , 11, 847-854	3.6	96
5	The two-component regulators GacS and GacA influence accumulation of the stationary-phase sigma factor sigmaS and the stress response in <i>Pseudomonas fluorescens</i> Pf-5. <i>Journal of Bacteriology</i> , <b>1998</b> , 180, 6635-41	3.5	154
4	Identification and sequence analysis of the genes encoding a polyketide synthase required for pyoluteorin biosynthesis in <i>Pseudomonas fluorescens</i> Pf-5. <i>Gene</i> , <b>1997</b> , 204, 17-24	3.8	68
3	Production of 2,4-diacetylphloroglucinol by the biocontrol agent <i>Pseudomonas fluorescens</i> Pf-5. <i>Canadian Journal of Microbiology</i> , <b>1994</b> , 40, 1064-1066	3.2	157
2	Derivation of Mutants of <i>Erwinia carotovora</i> subsp. <i>betavasculorum</i> Deficient in Export of Pectolytic Enzymes with Potential for Biological Control of Potato Soft Rot. <i>Applied and Environmental Microbiology</i> , <b>1994</b> , 60, 2278-85	4.8	10
1	A polyne toxin produced by an antagonistic bacterium blinds and lyses a green microalga		1