

Joyce E Loper

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8857079/publications.pdf>

Version: 2024-02-01

61
papers

5,904
citations

94269

37
h-index

128067

60
g-index

64
all docs

64
docs citations

64
times ranked

4918
citing authors

#	ARTICLE	IF	CITATIONS
1	Complete genome sequence of the plant commensal <i>Pseudomonas fluorescens</i> Pf-5. <i>Nature Biotechnology</i> , 2005, 23, 873-878.	9.4	615
2	Comparative Genomics of Plant-Associated <i>Pseudomonas</i> spp.: Insights into Diversity and Inheritance of Traits Involved in Multitrophic Interactions. <i>PLoS Genetics</i> , 2012, 8, e1002784.	1.5	578
3	Genomics of secondary metabolite production by <i>Pseudomonas</i> spp.. <i>Natural Product Reports</i> , 2009, 26, 1408.	5.2	524
4	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> , 2005, 102, 11064-11069.	3.3	399
5	The Genom isotopic Approach: A Systematic Method to Isolate Products of Orphan Biosynthetic Gene Clusters. <i>Chemistry and Biology</i> , 2007, 14, 53-63.	6.2	285
6	Characterization of the Pyoluteorin Biosynthetic Gene Cluster of <i>Pseudomonas fluorescens</i> Pf-5. <i>Journal of Bacteriology</i> , 1999, 181, 2166-2174.	1.0	249
7	Utilization of Heterologous Siderophores Enhances Levels of Iron Available to <i>Pseudomonas putida</i> in the Rhizosphere. <i>Applied and Environmental Microbiology</i> , 1999, 65, 5357-5363.	1.4	235
8	Production of 2,4-diacetylphloroglucinol by the biocontrol agent <i>Pseudomonas fluorescens</i> Pf-5. <i>Canadian Journal of Microbiology</i> , 1994, 40, 1064-1066.	0.8	180
9	Genome-based evolutionary history of <i>Pseudomonas</i> spp. <i>Environmental Microbiology</i> , 2018, 20, 2142-2159.	1.8	172
10	The Two-Component Regulators GacS and GacA Influence Accumulation of the Stationary-Phase Sigma Factor σ^S and the Stress Response in <i>Pseudomonas fluorescens</i> Pf-5. <i>Journal of Bacteriology</i> , 1998, 180, 6635-6641.	1.0	166
11	Molecular analysis of a novel gene cluster encoding an insect toxin in plant-associated strains of <i>Pseudomonas fluorescens</i> . <i>Environmental Microbiology</i> , 2008, 10, 2368-2386.	1.8	145
12	Inactivation of the GacA response regulator in <i>Pseudomonas fluorescens</i> Pf-5 has far-reaching transcriptomic consequences. <i>Environmental Microbiology</i> , 2010, 12, 899-915.	1.8	137
13	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> , 2008, 74, 3085-3093.	1.4	121
14	The Genomic Sequence of <i>Pseudomonas fluorescens</i> Pf-5: Insights Into Biological Control. <i>Phytopathology</i> , 2007, 97, 233-238.	1.1	115
15	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> , 1998, 11, 847-854.	1.4	113
16	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> , 2004, 70, 1758-1766.	1.4	109
17	Genomic analysis of antifungal metabolite production by <i>Pseudomonas fluorescens</i> Pf-5. <i>European Journal of Plant Pathology</i> , 2007, 119, 265-278.	0.8	99
18	Mobile genetic elements in the genome of the beneficial rhizobacterium <i>Pseudomonas fluorescens</i> Pf-5. <i>BMC Microbiology</i> , 2009, 9, 8.	1.3	91

#	ARTICLE	IF	CITATIONS
19	Lon Protease Influences Antibiotic Production and UV Tolerance of <i>Pseudomonas fluorescens</i> Pf-5. <i>Applied and Environmental Microbiology</i> , 2000, 66, 2718-2725.	1.4	80
20	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> , 1997, 204, 17-24.	1.0	78
21	Phloroglucinol mediates cross-talk between the pyoluteorin and 2,4-diacetylphloroglucinol biosynthetic pathways in <i>Pseudomonas fluorescens</i> Pf-5. <i>Molecular Microbiology</i> , 2011, 81, 395-414.	1.2	77
22	Bacterial Subfamily of LuxR Regulators That Respond to Plant Compounds. <i>Applied and Environmental Microbiology</i> , 2011, 77, 4579-4588.	1.4	68
23	The <i>Gac</i> regulon of <i>Pseudomonas fluorescens</i> SBW25. <i>Environmental Microbiology Reports</i> , 2013, 5, 608-619.	1.0	67
24	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> , 2016, 18, 3509-3521.	1.8	62
25	The Effect of Iron Limitation on the Transcriptome and Proteome of <i>Pseudomonas fluorescens</i> Pf-5. <i>PLoS ONE</i> , 2012, 7, e39139.	1.1	62
26	Unexpected conservation and global transmission of agrobacterial virulence plasmids. <i>Science</i> , 2020, 368, .	6.0	56
27	Title is missing!. <i>Journal of Chemical Ecology</i> , 2000, 26, 1515-1524.	0.9	54
28	Analysis of Genome Sequences from Plant Pathogenic <i>Rhodococcus</i> Reveals Genetic Novelty in Virulence Loci. <i>PLoS ONE</i> , 2014, 9, e101996.	1.1	54
29	The effect of zinc limitation on the transcriptome of <i>Pseudomonas protegens</i> Pf-5. <i>Environmental Microbiology</i> , 2013, 15, 702-715.	1.8	53
30	Novel mechanism of metabolic co-regulation coordinates the biosynthesis of secondary metabolites in <i>Pseudomonas protegens</i> . <i>ELife</i> , 2017, 6, .	2.8	53
31	Lethality and Developmental Delay in <i>Drosophila melanogaster</i> Larvae after Ingestion of Selected <i>Pseudomonas fluorescens</i> Strains. <i>PLoS ONE</i> , 2010, 5, e12504.	1.1	52
32	TonB-dependent outer-membrane proteins and siderophore utilization in <i>Pseudomonas fluorescens</i> Pf-5. <i>BioMetals</i> , 2011, 24, 193-213.	1.8	45
33	The sigma factor RpoS is required for stress tolerance and environmental fitness of <i>Pseudomonas fluorescens</i> Pf-5. <i>Microbiology (United Kingdom)</i> , 2005, 151, 3001-3009.	0.7	44
34	Investigations into the Biosynthesis, Regulation, and Self-Resistance of Toxoflavin in <i>Pseudomonas protegens</i> Pf-5. <i>ChemBioChem</i> , 2015, 16, 1782-1790.	1.3	44
35	Characterization of Toxin Complex Gene Clusters and Insect Toxicity of Bacteria Representing Four Subgroups of <i>Pseudomonas fluorescens</i> . <i>PLoS ONE</i> , 2016, 11, e0161120.	1.1	43
36	Genes expressed by the biological control bacterium <i>Pseudomonas protegens</i> Pf-5 on seed surfaces under the control of the global regulators <i>GacA</i> and <i>RpoS</i> . <i>Environmental Microbiology</i> , 2013, 15, 716-735.	1.8	41

#	ARTICLE	IF	CITATIONS
37	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> , 2016, 82, 1372-1382.	1.4	40
38	Ferric-Pyoverdine Recognition by Fpv Outer Membrane Proteins of <i>Pseudomonas protegens</i> Pf-5. <i>Journal of Bacteriology</i> , 2013, 195, 765-776.	1.0	39
39	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> , 2019, 82, 301-308.	1.5	38
40	Reciprocal Regulation of Pyoluteorin Production with Membrane Transporter Gene Expression in <i>Pseudomonas fluorescens</i> Pf-5. <i>Applied and Environmental Microbiology</i> , 2005, 71, 6900-6909.	1.4	36
41	Secondary Metabolism and Interspecific Competition Affect Accumulation of Spontaneous Mutants in the GacS-GacA Regulatory System in <i>Pseudomonas protegens</i> . <i>MBio</i> , 2018, 9, .	1.8	33
42	Protecting maize from rootworm damage with the combined application of arbuscular mycorrhizal fungi, <i>Pseudomonas</i> bacteria and entomopathogenic nematodes. <i>Scientific Reports</i> , 2019, 9, 3127.	1.6	33
43	The <i>R</i> sm regulon of plant growth-promoting <i>Pseudomonas fluorescens</i> SS101: role of small RNA <i>s</i> in regulation of lipopeptide biosynthesis. <i>Microbial Biotechnology</i> , 2015, 8, 296-310.	2.0	31
44	Tropical soils are a reservoir for fluorescent <i>Pseudomonas</i> spp. biodiversity. <i>Environmental Microbiology</i> , 2018, 20, 62-74.	1.8	28
45	<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> , 2014, 27, 733-746.	1.4	26
46	Phloroglucinol functions as an intracellular and intercellular chemical messenger influencing gene expression in <i>Pseudomonas protegens</i> . <i>Environmental Microbiology</i> , 2016, 18, 3296-3308.	1.8	25
47	Effect of Tannic Acid on the Transcriptome of the Soil Bacterium <i>Pseudomonas protegens</i> Pf-5. <i>Applied and Environmental Microbiology</i> , 2013, 79, 3141-3145.	1.4	23
48	Living on the edge: emergence of spontaneous <i>gac</i> mutations in <i>Pseudomonas protegens</i> during swarming motility. <i>Environmental Microbiology</i> , 2016, 18, 3453-3465.	1.8	23
49	<i>Pseudomonas protegens</i> Pf-5 favours self-produced siderophore over free-loading in interspecies competition for iron. <i>Environmental Microbiology</i> , 2017, 19, 3514-3525.	1.8	20
50	A polyene toxin produced by an antagonistic bacterium blinds and lyses a <i>Chlamydomonas</i> alga. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	19
51	The bacterium <i>Pseudomonas protegens</i> antagonizes the microalga <i>Chlamydomonas reinhardtii</i> using a blend of toxins. <i>Environmental Microbiology</i> , 2021, 23, 5525-5540.	1.8	17
52	Genomic analysis of antifungal metabolite production by <i>Pseudomonas fluorescens</i> Pf-5. , 2007, , 265-278.		16
53	Genome variations between rhizosphere and bulk soil ecotypes of a <i>Pseudomonas koreensis</i> population. <i>Environmental Microbiology</i> , 2018, 20, 4401-4414.	1.8	16
54	The Rare Codon AGA Is Involved in Regulation of Pyoluteorin Biosynthesis in <i>Pseudomonas protegens</i> Pf-5. <i>Frontiers in Microbiology</i> , 2016, 7, 497.	1.5	13

#	ARTICLE	IF	CITATIONS
55	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> , 1994, 60, 2278-2285.	1.4	11
56	Genomic and metabolic differences between <i>Pseudomonas putida</i> populations inhabiting sugarcane rhizosphere or bulk soil. <i>PLoS ONE</i> , 2019, 14, e0223269.	1.1	9
57	Two Pathway-Specific Transcriptional Regulators, PltR and PltZ, Coordinate Autoinduction of Pyoluteorin in <i>Pseudomonas protegens</i> Pf-5. <i>Microorganisms</i> , 2021, 9, 1489.	1.6	6
58	Genomics of <i>Pseudomonas fluorescens</i> Pf-5. , 2007, , 3-30.		5
59	A Nonfunctional Halogenase Masquerades as an Aromatizing Dehydratase in Biosynthesis of Pyrrolic Polyketides by Type I Polyketide Synthases. <i>ACS Chemical Biology</i> , 2022, 17, 1351-1356.	1.6	5
60	Disruption of Transporters Affiliated with Enantio-Pyochelin Biosynthesis Gene Cluster of <i>Pseudomonas protegens</i> Pf-5 Has Pleiotropic Effects. <i>PLoS ONE</i> , 2016, 11, e0159884.	1.1	4
61	Untargeted Identification of Alkyne-Containing Natural Products Using Ruthenium-Catalyzed Azide Alkyne Cycloaddition Reactions Coupled to LC-MS/MS. <i>Journal of Natural Products</i> , 2022, 85, 105-114.	1.5	4