

Joyce E Loper

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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	Complete genome sequence of the plant commensal <i>Pseudomonas fluorescens</i> Pf-5. <i>Nature Biotechnology</i> , 2005 , 23, 873-8	44.5	522
58	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	6	432
57	Genomics of secondary metabolite production by <i>Pseudomonas</i> spp. <i>Natural Product Reports</i> , 2009 , 26, 1408-46	15.1	405
56	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, 11064-9	11.5	354
55	The genomisotopic approach: a systematic method to isolate products of orphan biosynthetic gene clusters. <i>Chemistry and Biology</i> , 2007 , 14, 53-63		231
54	Characterization of the pyoluteorin biosynthetic gene cluster of <i>Pseudomonas fluorescens</i> Pf-5. <i>Journal of Bacteriology</i> , 1999 , 181, 2166-74	3.5	211
53	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, 5357-63	4.8	195
52	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	3.2	157
51	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> , 1998 , 180, 6635-41	3.5	154
50	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, 2368-86	5.2	123
49	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	5.2	118
48	The Genomic Sequence of <i>Pseudomonas fluorescens</i> Pf-5: Insights Into Biological Control. <i>Phytopathology</i> , 2007 , 97, 233-8	3.8	98
47	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	3.6	96
46	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, 3085-93	4.8	95
45	Genomic analysis of antifungal metabolite production by <i>Pseudomonas fluorescens</i> Pf-5. <i>European Journal of Plant Pathology</i> , 2007 , 119, 265-278	2.1	91
44	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, 1758-66	4.8	84
43	Genome-based evolutionary history of <i>Pseudomonas</i> spp. <i>Environmental Microbiology</i> , 2018 , 20, 2142-2159		81

42	Lon protease influences antibiotic production and UV tolerance of <i>Pseudomonas fluorescens</i> Pf-5. <i>Applied and Environmental Microbiology</i> , 2000 , 66, 2718-25	4.8	74
41	Mobile genetic elements in the genome of the beneficial rhizobacterium <i>Pseudomonas fluorescens</i> Pf-5. <i>BMC Microbiology</i> , 2009 , 9, 8	4.5	72
40	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	3.8	68
39	Bacterial subfamily of LuxR regulators that respond to plant compounds. <i>Applied and Environmental Microbiology</i> , 2011 , 77, 4579-88	4.8	63
38	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	4.1	60
37	The effect of iron limitation on the transcriptome and proteome of <i>Pseudomonas fluorescens</i> Pf-5. <i>PLoS ONE</i> , 2012 , 7, e39139	3.7	50
36	The effect of zinc limitation on the transcriptome of <i>Pseudomonas protegens</i> Pf-5. <i>Environmental Microbiology</i> , 2013 , 15, 702-15	5.2	45
35	A Novel Antifungal Furanone from <i>Pseudomonas aureofaciens</i> , a Biocontrol Agent of Fungal Plant Pathogens. <i>Journal of Chemical Ecology</i> , 2000 , 26, 1515-1524	2.7	43
34	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	2.9	42
33	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	3.7	42
32	TonB-dependent outer-membrane proteins and siderophore utilization in <i>Pseudomonas fluorescens</i> Pf-5. <i>BioMetals</i> , 2011 , 24, 193-213	3.4	37
31	The Gac regulon of <i>Pseudomonas fluorescens</i> SBW25. <i>Environmental Microbiology Reports</i> , 2013 , 5, 608-397	3.9	36
30	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	5.2	36
29	Investigations into the Biosynthesis, Regulation, and Self-Resistance of Toxoflavin in <i>Pseudomonas protegens</i> Pf-5. <i>ChemBioChem</i> , 2015 , 16, 1782-90	3.8	35
28	Analysis of genome sequences from plant pathogenic <i>Rhodococcus</i> reveals genetic novelties in virulence loci. <i>PLoS ONE</i> , 2014 , 9, e101996	3.7	35
27	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> , 2013 , 15, 716-35	5.2	32
26	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	3.7	31
25	Novel mechanism of metabolic co-regulation coordinates the biosynthesis of secondary metabolites in. <i>ELife</i> , 2017 , 6,	8.9	30

24	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, 6900-9	4.8	30
23	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> , 2015 , 82, 1372-1382	4.8	26
22	Ferric-pyoverdine recognition by Fpv outer membrane proteins of <i>Pseudomonas protegens</i> Pf-5. <i>Journal of Bacteriology</i> , 2013 , 195, 765-76	3.5	25
21	Secondary Metabolism and Interspecific Competition Affect Accumulation of Spontaneous Mutants in the GacS-GacA Regulatory System in. <i>MBio</i> , 2018 , 9,	7.8	23
20	Unexpected conservation and global transmission of agrobacterial virulence plasmids. <i>Science</i> , 2020 , 368,	33.3	22
19	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	4.9	21
18	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	4.9	19
17	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	5.2	17
16	Living on the edge: emergence of spontaneous gac mutations in <i>Pseudomonas protegens</i> during swarming motility. <i>Environmental Microbiology</i> , 2016 , 18, 3453-3465	5.2	16
15	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> , 2015 , 8, 296-310	6.3	15
14	Tropical soils are a reservoir for fluorescent <i>Pseudomonas</i> spp. biodiversity. <i>Environmental Microbiology</i> , 2018 , 20, 62-74	5.2	15
13	<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, 733-46	3.6	15
12	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, 3141-5	4.8	14
11	Genome variations between rhizosphere and bulk soil ecotypes of a <i>Pseudomonas koreensis</i> population. <i>Environmental Microbiology</i> , 2018 , 20, 4401-4414	5.2	12
10	<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	5.2	12
9	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, 2278-85	4.8	10
8	Genomic and metabolic differences between <i>Pseudomonas putida</i> populations inhabiting sugarcane rhizosphere or bulk soil. <i>PLoS ONE</i> , 2019 , 14, e0223269	3.7	6
7	Genomic analysis of antifungal metabolite production by <i>Pseudomonas fluorescens</i> Pf-5 2007 , 265-278		6

6	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	5-7	6
5	A polyne 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,	11-5	5
4	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	5-2	4
3	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	3-7	3
2	Genomics of <i>Pseudomonas fluorescens</i> PF-5 2007 , 3-30		3
1	A polyne toxin produced by an antagonistic bacterium blinds and lyses a green microalga		1