Rosemary Loria

List of Publications by Year
in descending order

60	4,024	34	59
papers	citations	h-index	g-index

117625

133252

63	63	63	2482
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Promiscuous Cytochrome P450 Hydroxylates Aliphatic and Aromatic Câˆ'H Bonds of Aromatic 2,5â€Diketopiperazines. ChemBioChem, 2019, 20, 1068-1077.	2.6	16
2	Isolation and structural characterization of a non-diketopiperazine phytotoxin from a potato pathogenic <i>Streptomyces</i> strain. Natural Product Research, 2019, 33, 2951-2957.	1.8	15
3	Genetic background affects pathogenicity island function and pathogen emergence in <i>Streptomyces</i>. Molecular Plant Pathology, 2018, 19, 1733-1741.	4.2	18
4	High-Yield Production of Herbicidal Thaxtomins and Thaxtomin Analogs in a Nonpathogenic Streptomyces Strain. Applied and Environmental Microbiology, 2018, 84, .	3.1	26
5	Contribution of the Î²â€glucosidase BglC to the onset of the pathogenic lifestyle of <i>Streptomyces scabies</i>. Molecular Plant Pathology, 2018, 19, 1480-1490.	4.2	19
6	One-Pot Biocombinatorial Synthesis of Herbicidal Thaxtomins. ACS Catalysis, 2018, 8, 10761-10768.	11.2	14
7	Engineered P450 biocatalysts show improved activity and regio-promiscuity in aromatic nitration. Scientific Reports, 2017, 7, 842.	3.3	29
8	Emergence of Novel Pathogenic Streptomyces Species by Site-Specific Accretion and cis-Mobilization of Pathogenicity Islands. Molecular Plant-Microbe Interactions, 2017, 30, 72-82.	2.6	20
9	Tracking the Subtle Mutations Driving Host Sensing by the Plant Pathogen <i>Streptomyces scabies</i>. MSphere, 2017, 2, .	2.9	15
10	A re-evaluation of the taxonomy of phytopathogenic genera Dickeya and Pectobacterium using whole-genome sequencing data. Systematic and Applied Microbiology, 2016, 39, 252-259.	2.8	97
11	Promiscuous Pathogenicity Islands and Phylogeny of Pathogenic Streptomyces spp.. Molecular Plant-Microbe Interactions, 2016, 29, 640-650.	2.6	48
12	The CebE/MsiK Transporter is a Doorway to the Cello-oligosaccharide-mediated Induction of Streptomyces scabies Pathogenicity. Scientific Reports, 2016, 6, 27144.	3.3	42
13	An artificial selfâ€sufficient cytochrome P450 directly nitrates fluorinated tryptophan analogs with a different regioâ€selectivity. Biotechnology Journal, 2016, 11, 624-632.	3.5	21
14	Genome Content and Phylogenomics Reveal both Ancestral and Lateral Evolutionary Pathways in Plant-Pathogenic Streptomyces Species. Applied and Environmental Microbiology, 2016, 82, 2146-2155.	3.1	44
15	Applications of Natural Products from Soil Microbes. , 2015, , 51-77.		1
16	The Cellobiose Sensor CebR Is the Gatekeeper of Streptomyces scabies Pathogenicity. MBio, 2015, 6, e02018.	4.1	66
17	Thaxtomin A Production and Virulence Are Controlled by Several <i>bld</i> Gene Global Regulators in <i>Streptomyces scabies</i>. Molecular Plant-Microbe Interactions, 2014, 27, 875-885.	2.6	30
18	Characterization of the Integration and Modular Excision of the Integrative Conjugative Element PAISt in Streptomyces turgidiscabies Car8. PLoS ONE, 2014, 9, e99345.	2.5	18

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19	The <scp>ESX</scp>/type <scp>VII</scp> secretion system modulates development, but not virulence, of the plant pathogen <i><scp>S</scp>treptomyces scabies</i>. Molecular Plant Pathology, 2013, 14, 119-130.	4.2	31
20	Evidence That Thaxtomin C Is a Pathogenicity Determinant of <i>Streptomyces ipomoeae</i>, the Causative Agent of Streptomyces Soil Rot Disease of Sweet Potato. Molecular Plant-Microbe Interactions, 2012, 25, 393-401.	2.6	23
21	Draft Genome Sequence of Streptomyces acidiscabies 84-104, an Emergent Plant Pathogen. Journal of Bacteriology, 2012, 194, 1847-1847.	2.2	19
22	Cytochrome P450â€"catalyzed L-tryptophan nitration in thaxtomin phytotoxin biosynthesis. Nature Chemical Biology, 2012, 8, 814-816.	8.0	172
23	Streptomyces turgidiscabies Car8 contains a modular pathogenicity island that shares virulence genes with other actinobacterial plant pathogens. Plasmid, 2011, 65, 118-124.	1.4	34
24	The plant pathogen Streptomyces scabies 87-22 has a functional pyochelin biosynthetic pathway that is regulated by TetR- and AfsR-family proteins. Microbiology (United Kingdom), 2011, 157, 2681-2693.	1.8	47
25	What does it take to be a plant pathogen: genomic insights from Streptomyces species. Antonie Van Leeuwenhoek, 2010, 98, 179-194.	1.7	92
26	The twin arginine protein transport pathway exports multiple virulence proteins in the plant pathogen <i>Streptomyces scabies</i>. Molecular Microbiology, 2010, 77, 252-271.	2.5	71
27	<i>Streptomyces scabies</i> 87-22 Contains a Coronafacic Acid-Like Biosynthetic Cluster That Contributes to Plantâ€"Microbe Interactions. Molecular Plant-Microbe Interactions, 2010, 23, 161-175.	2.6	101
28	4â€Nitrotryptophan is a substrate for the nonâ€ribosomal peptide synthetase TxtB in the thaxtomin A biosynthetic pathway. Molecular Microbiology, 2009, 73, 409-418.	2.5	45
29	Thaxtomin biosynthesis: the path to plant pathogenicity in the genus Streptomyces. Antonie Van Leeuwenhoek, 2008, 94, 3-10.	1.7	124
30	Plant-Pathogenic Streptomyces Species Produce Nitric Oxide Synthase-Derived Nitric Oxide inÂResponse to Host Signals. Chemistry and Biology, 2008, 15, 43-50.	6.0	66
31	Virulence mechanisms of Gram-positive plant pathogenic bacteria. Current Opinion in Plant Biology, 2008, 11, 449-456.	7.1	73
32	<i>Streptomyces scabies</i>87-22 Possesses a Functional Tomatinase. Journal of Bacteriology, 2008, 190, 7684-7692.	2.2	60
33	Streptomyces turgidiscabies Possesses a Functional Cytokinin Biosynthetic Pathway and Produces Leafy Galls. Molecular Plant-Microbe Interactions, 2007, 20, 751-758.	2.6	68
34	Cello-oligosaccharides released from host plants induce pathogenicity in scab-causing Streptomyces species. Physiological and Molecular Plant Pathology, 2007, 71, 18-25.	2.5	82
35	Streptomyces turgidiscabies Secretes a Novel Virulence Protein, Nec1, Which Facilitates Infection. Molecular Plant-Microbe Interactions, 2007, 20, 599-608.	2.6	56
36	The AraC/XylS regulator TxtR modulates thaxtomin biosynthesis and virulence in <i>Streptomyces scabies</i>. Molecular Microbiology, 2007, 66, 633-642.	2.5	102

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37	Actinobacterial endophytes for improved crop performance. Australasian Plant Pathology, 2007, 36, 524.	1.0	62
38	Effect of carbohydrates on the production of thaxtomin A by Streptomyces acidiscabies. Archives of Microbiology, 2007, 188, 81-88.	2.2	38
39	Evolution of Plant Pathogenicity inStreptomyces. Annual Review of Phytopathology, 2006, 44, 469-487.	7.8	260
40	Chemistry and Phytotoxicity of Thaxtomin A Alkyl Ethers. Journal of Agricultural and Food Chemistry, 2005, 53, 9446-9451.	5.2	10
41	Nitric oxide synthase inhibitors and nitric oxide donors modulate the biosynthesis of thaxtomin A, a nitrated phytotoxin produced by Streptomyces spp.. Nitric Oxide - Biology and Chemistry, 2005, 12, 46-53.	2.7	37
42	A large, mobile pathogenicity island confers plant pathogenicity on Streptomyces species. Molecular Microbiology, 2004, 55, 1025-1033.	2.5	178
43	Nitration of a peptide phytotoxin by bacterial nitric oxide synthase. Nature, 2004, 429, 79-82.	27.8	225
44	Complete sequencing and analysis of pEN2701, a novel 13-kb plasmid from an endophytic Streptomyces sp.. Plasmid, 2003, 49, 86-92.	1.4	11
45	A paucity of bacterial root diseases: Streptomyces succeeds where others fail. Physiological and Molecular Plant Pathology, 2003, 62, 65-72.	2.5	58
46	An Arabidopsis Mutant Resistant to Thaxtomin A, a Cellulose Synthesis Inhibitor from Streptomyces Species[W]. Plant Cell, 2003, 15, 1781-1794.	6.6	177
47	Thaxtomin A: evidence for a plant cell wall target. Physiological and Molecular Plant Pathology, 2002, 60, 1-8.	2.5	93
48	Horizontal Transfer of the Plant Virulence Gene, nec1 , and Flanking Sequences among Genetically Distinct Streptomyces Strains in the Diastatochromogenes Cluster. Applied and Environmental Microbiology, 2002, 68, 738-744.	3.1	84
49	The txtAB genes of the plant pathogen Streptomyces acidiscabies encode a peptide synthetase required for phytotoxin thaxtomin A production and pathogenicity. Molecular Microbiology, 2000, 38, 794-804.	2.5	197
50	Molecular phylogenetic support from ribosomal DNA sequences for origin of<i>Helminthosporium</i>from<i>Leptosphaeria</i>-like loculoascomycete ancestors. Mycologia, 2000, 92, 736-746.	1.9	28
51	Title is missing!. Journal of Chemical Ecology, 1999, 25, 2687-2701.	1.8	86
52	Application of Organic and Inorganic Salts to Field-Grown Potato Tubers Can Suppress Silver Scurf During Potato Storage. Plant Disease, 1999, 83, 814-818.	1.4	29
53	Characterization of an Insertion Sequence Element Associated with Genetically Diverse Plant Pathogenic Streptomyces spp. Journal of Bacteriology, 1999, 181, 1562-1568.	2.2	32
54	Detection ofHelminthosporium solanifrom soil and plant tissue with species-specific PCR primers. FEMS Microbiology Letters, 1998, 168, 235-241.	1.8	18

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55	Postharvest Application of Organic and Inorganic Salts for Suppression of Silver Scurf on Potato Tubers. Plant Disease, 1998, 82, 213-217.	1.4	88
56	nec1, a Gene Conferring a Necrogenic Phenotype, Is Conserved in Plant-Pathogenic Streptomyces spp. and Linked to a Transposase Pseudogene. Molecular Plant-Microbe Interactions, 1998, 11, 960-967.	2.6	101
57	Detection of Helminthosporium solani from soil and plant tissue with species-specific PCR primers. FEMS Microbiology Letters, 1998, 168, 235-241.	1.8	2
58	PLANT PATHOGENICITY IN THE GENUS STREPTOMYCES. Plant Disease, 1997, 81, 836-846.	1.4	260
59	Differential Production of Thaxtomins by PathogenicStreptomycesSpecies In Vitro. Phytopathology, 1995, 85, 537.	2.2	124
60	Relative Resistance of Potato Tubers Produced from Stem Cuttings and Seed-Piece-Propagated Plants toStreptomyces scabies. Plant Disease, 1986, 70, 1146.	1.4	21