Nicole Cotte-Pattat

List of Publications by Year
in descending order

52	2,961	186209 28	175177 52
papers	citations	h-index	g-index

57	57	57	2061
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	REGULATION OF PECTINOLYSIS INERWINIA CHRYSANTHEMI. Annual Review of Microbiology, 1996, 50, 213-257.	2.9	401
2	The Role of Secretion Systems and Small Molecules in Soft-Rot Enterobacteriaceae Pathogenicity. Annual Review of Phytopathology, 2012, 50, 425-449.	3.5	217
3	The secretome of the plant pathogenic bacteriumErwinia chrysanthemi. Proteomics, 2004, 4, 3177-3186.	1.3	175
4	Bacterial pectate lyases, structural and functional diversity. Environmental Microbiology Reports, 2014, 6, 427-440.	1.0	167
5	New synthetic analogues of N-acyl homoserine lactones as agonists or antagonists of transcriptional regulators involved in bacterial quorum sensing. Bioorganic and Medicinal Chemistry Letters, 2002, 12, 1153-1157.	1.0	135
6	Genome Sequence of the Plant-Pathogenic Bacterium Dickeya dadantii 3937. Journal of Bacteriology, 2011, 193, 2076-2077.	1.0	113
7	N-Sulfonyl homoserine lactones as antagonists of bacterial quorum sensing. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 5145-5149.	1.0	109
8	Characterization of the pelL gene encoding a novel pectate lyase of Erwinia chrysanthemi 3937. Molecular Microbiology, 1995, 16, 1183-1195.	1.2	103
9	Some of the out genes involved in the secretion of pectate lyases in Erwinia chrysanthemi are regulated by kdgR. Molecular Microbiology, 1992, 6, 3199-3211.	1.2	95
10	Identification of a bacterial pectin acetyl esterase in Erwinia chrysanthemi 3937. Molecular Microbiology, 1997, 24, 1285-1301.	1.2	92
11	Osmoregulated Periplasmic Glucan Synthesis Is Required for Erwinia chrysanthemi Pathogenicity. Journal of Bacteriology, 2001, 183, 3134-3141.	1.0	84
12	The Crystal Structure of Pectate Lyase Pel9A from Erwinia chrysanthemi. Journal of Biological Chemistry, 2004, 279, 9139-9145.	1.6	69
13	Dickeya lacustris sp. nov., a water-living pectinolytic bacterium isolated from lakes in France. International Journal of Systematic and Evolutionary Microbiology, 2019, 69, 721-726.	0.8	60
14	Characterization of pectin methylesterase B, an outer membrane lipoprotein of Erwinia chrysanthemi 3937. Molecular Microbiology, 1996, 19, 455-466.	1.2	59
15	The Oligogalacturonate-specific Porin KdgM of Erwinia chrysanthemi Belongs to a New Porin Family. Journal of Biological Chemistry, 2002, 277, 7936-7944.	1.6	55
16	Comparison of Highly and Weakly Virulent Dickeya solani Strains, With a View on the Pangenome and Panregulon of This Species. Frontiers in Microbiology, 2018, 9, 1940.	1.5	50
17	Regulators Involved in Dickeya solani Virulence, Genetic Conservation, and Functional Variability. Molecular Plant-Microbe Interactions, 2014, 27, 700-711.	1.4	49
18	Massive production of butanediol during plant infection by phytopathogenic bacteria of the genera Dickeya and Pectobacterium. Molecular Microbiology, 2011, 82, 988-997.	1.2	48

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19	PelN Is a New Pectate Lyase of Dickeya dadantii with Unusual Characteristics. Journal of Bacteriology, 2013, 195, 2197-2206.	1.0	48
20	Analysis of three clustered polygalacturonase genes in Erwinia chrysanthemi 3937 revealed an anti-repressor function for the PecS regulator. Molecular Microbiology, 1999, 34, 641-650.	1.2	47
21	Role of the Nucleoid-Associated Protein H-NS in the Synthesis of Virulence Factors in the Phytopathogenic Bacterium Erwinia chrysanthemi. Molecular Plant-Microbe Interactions, 2001, 14, 10-20.	1.4	47
22	Identification of TogMNAB, an ABC transporter which mediates the uptake of pectic oligomers in Erwinia chrysanthemi 3937. Molecular Microbiology, 2008, 41, 1113-1123.	1.2	47
23	The RhaS activator controls the Erwinia chrysanthemi 3937 genes rhiN, rhiT and rhiE involved in rhamnogalacturonan catabolism. Molecular Microbiology, 2004, 51, 1361-1374.	1.2	45
24	Processing of the pectate lyase PelI by extracellular proteases ofErwinia chrysanthemi3937. Molecular Microbiology, 1998, 29, 1459-1469.	1.2	43
25	PaeX, a Second Pectin Acetylesterase of Erwinia chrysanthemi 3937. Journal of Bacteriology, 2003, 185, 3091-3100.	1.0	42
26	The Crystal Structure of Pectate Lyase PelI from Soft Rot Pathogen Erwinia chrysanthemi in Complex with Its Substrate. Journal of Biological Chemistry, 2008, 283, 18260-18268.	1.6	38
27	Two transporters, TogT and TogMNAB, are responsible for oligogalacturonide uptake in Erwinia chrysanthemi 3937. Molecular Microbiology, 2008, 41, 1125-1132.	1.2	37
28	Identification of Two Feruloyl Esterases in Dickeya dadantii 3937 and Induction of the Major Feruloyl Esterase and of Pectate Lyases by Ferulic Acid. Journal of Bacteriology, 2011, 193, 963-970.	1.0	36
29	Synthesis of the two monomethyl esters of the disaccharide 4-O-Î±-d-galacturonosyl-d-galacturonic acid and of precursors for the preparation of higher oligomers methyl uronated in definite sequences. Carbohydrate Research, 1998, 314, 189-199.	1.1	31
30	Interplay of classic Exp and specific Vfm quorum sensing systems on the phenotypic features of Dickeya solani strains exhibiting different virulence levels. Molecular Plant Pathology, 2018, 19, 1238-1251.	2.0	30
31	Dickeya poaceiphila sp. nov., a plant-pathogenic bacterium isolated from sugar cane (Saccharum) Tj ETQq1 1 0.784314 rgBT /Overloc	0.8	30
32	An efficient and highly stereoselective Î±(1â†'4) glycosylation between two d-galacturonic acid ester derivatives. Tetrahedron Letters, 1997, 38, 241-244.	0.7	29
33	Analysis of the LacI Family Regulators of Erwinia chrysanthemi 3937, Involvement in the Bacterial Phytopathogenicity. Molecular Plant-Microbe Interactions, 2008, 21, 1471-1481.	1.4	28
34	Performance of Selected Microbial Pectinases on Synthetic Monomethyl-esterified Di- and Trigalacturonates. Journal of Biological Chemistry, 1999, 274, 37053-37059.	1.6	25
35	Biochemical characterization of the pectate lyase PelZ of Erwinia chrysanthemi 3937. BBA - Proteins and Proteomics, 1998, 1383, 188-196.	2.1	24
36	PehN, a Polygalacturonase Homologue with a Low Hydrolase Activity, Is Coregulated with the Other Erwinia chrysanthemi Polygalacturonases. Journal of Bacteriology, 2002, 184, 2664-2673.	1.0	24

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37	Diversity within the Dickeya zeae complex, identification of Dickeya zeae and Dickeya oryzae members, proposal of the novel species Dickeya parazeae sp. nov.. International Journal of Systematic and Evolutionary Microbiology, 2021, 71, .	0.8	24
38	Erwinia chrysanthemi at high osmolarity: influence of osmoprotectants on growth and pectate lyase production. Microbiology (United Kingdom), 1995, 141, 1407-1412.	0.7	23
39	Catabolism of Raffinose, Sucrose, and Melibiose in Erwinia chrysanthemi 3937. Journal of Bacteriology, 2009, 191, 6960-6967.	1.0	22
40	Proposal for the creation of a new genus Musicola gen. nov., reclassification of Dickeya paradisiaca (Samson et al. 2005) as Musicola paradisiaca comb. nov. and description of a new species Musicola keenii sp. nov.. International Journal of Systematic and Evolutionary Microbiology, 2021, 71, .	0.8	22
41	Isolation of fusions between the lac genes and several genes of the exu regulon: Analysis of their regulation, determination of the transcription direction of the uxaC-uxaA operon, in Escherichia coli K-12. Molecular Genetics and Genomics, 1981, 182, 279-287.	2.4	21
42	Expression of Erwinia chrysanthemi Pectinase Genes pelI, pelL, and pelZ During Infection of Potato Tubers. Molecular Plant-Microbe Interactions, 1999, 12, 845-851.	1.4	20
43	Molecular analysis of the Erwinia chrysanthemi region containing the kdgA and zwf genes. Molecular Microbiology, 1994, 11, 67-75.	1.2	16
44	Characterization of a periplasmic peptidyl-prolyl cis-trans isomerase in Erwinia chrysanthemi. FEMS Microbiology Letters, 2006, 157, 59-65.	0.7	14
45	Production ofErwinia chrysanthemi pectinases in potato tubers showing high or low level of resistance to soft-rot. European Journal of Plant Pathology, 1996, 102, 511-517.	0.8	11
46	Specificity and genetic polymorphism in the Vfm quorum sensing system of plant pathogenic bacteria of the genus Dickeya. Environmental Microbiology, 2022, 24, 1467-1483.	1.8	8
47	A family 3 glycosyl hydrolase of Dickeya dadantii 3937 is involved in the cleavage of aromatic glucosides. Microbiology (United Kingdom), 2013, 159, 2395-2404.	0.7	7
48	Genomic characterization of a pectinolytic isolate of Serratia oryzae isolated from lake water. Journal of Genomics, 2019, 7, 64-72.	0.6	7
49	The Periplasmic Oxidoreductase DsbA Is Required for Virulence of the Phytopathogen Dickeya solani. International Journal of Molecular Sciences, 2022, 23, 697.	1.8	7
50	Determination of the transcription direction of the uxaB gene, in Escherichia coli K12. Molecular Genetics and Genomics, 1983, 189, 334-336.	2.4	5
51	Effects of stressful physico-chemical factors on the fitness of the plant pathogenic bacterium Dickeya solani. European Journal of Plant Pathology, 2020, 156, 519-535.	0.8	5
52	Crystallization of the pectate lyase PelI fromErwinia chrysanthemiand SAD phasing of a gold derivative. Acta Crystallographica Section D: Biological Crystallography, 2004, 60, 190-192.	2.5	3