

Henri William Nasser

List of Publications by Year in descending order

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66343

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66
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110
all docs

110
docs citations

110
times ranked

2981
citing authors

#	ARTICLE	IF	CITATIONS
1	REGULATION OF PECTINOLYSIS IN ERWINIA CHRYSANTHEMI. Annual Review of Microbiology, 1996, 50, 213-257.	7.3	401
2	Characterization of Indigoidine Biosynthetic Genes in <i>Erwinia chrysanthemi</i> and Role of This Blue Pigment in Pathogenicity. Journal of Bacteriology, 2002, 184, 654-665.	2.2	177
3	The structure of <i>Bacillus subtilis</i> pectate lyase in complex with calcium. Nature Structural and Molecular Biology, 1994, 1, 717-723.	8.2	173
4	Characterization of the <i>Erwinia chrysanthemi</i> <i>expR</i> locus directing the synthesis of two <i>N</i> -acetyl-homoserine lactone signal molecules. Molecular Microbiology, 1998, 29, 1391-1405.	2.5	173
5	<i>Dickeya</i> ecology, environment sensing and regulation of virulence programme. Environmental Microbiology Reports, 2013, 5, 622-636.	2.4	163
6	<i>pecS</i> : a locus controlling pectinase, cellulase and blue pigment production in <i>Erwinia chrysanthemi</i> . Molecular Microbiology, 1994, 11, 1127-1139.	2.5	151
7	Comparative analysis of the five major <i>Erwinia chrysanthemi</i> pectate lyases: enzyme characteristics and potential inhibitors. Journal of Bacteriology, 1997, 179, 2503-2511.	2.2	137
8	Characterization of <i>kdgR</i> , a gene of <i>Erwinia chrysanthemi</i> that regulates pectin degradation. Molecular Microbiology, 1991, 5, 2203-2216.	2.5	112
9	Specific Interactions of <i>Erwinia chrysanthemi</i> <i>KdgR</i> Repressor with Different Operators of Genes Involved in Pectinolysis. Journal of Molecular Biology, 1994, 236, 427-440.	4.2	110
10	<i>N</i> -Sulfonyl homoserine lactones as antagonists of bacterial quorum sensing. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 5145-5149.	2.2	109
11	New insights into the regulatory mechanisms of the LuxR family of quorum sensing regulators. Analytical and Bioanalytical Chemistry, 2007, 387, 381-390.	3.7	102
12	Integration of the quorum sensing system in the regulatory networks controlling virulence factor synthesis in <i>Erwinia chrysanthemi</i> . Molecular Microbiology, 1998, 29, 1407-1418.	2.5	99
13	The cyclic AMP receptor protein is the main activator of pectinolysis genes in <i>Erwinia chrysanthemi</i> . Journal of Bacteriology, 1997, 179, 3500-3508.	2.2	96
14	<i>Vfm</i> a new quorum sensing system controls the virulence of <i>Dickeya dadantii</i> . Environmental Microbiology, 2013, 15, 865-880.	3.8	95
15	<i>PecS</i> Is a Global Regulator of the Symptomatic Phase in the Phytopathogenic Bacterium <i>Erwinia chrysanthemi</i> 3937. Journal of Bacteriology, 2008, 190, 7508-7522.	2.2	94
16	Purification and functional characterization of the <i>KdgR</i> protein, a major repressor of pectinolysis genes of <i>Erwinia chrysanthemi</i> . Molecular Microbiology, 1992, 6, 257-265.	2.5	87
17	Identification and characterization of maize pathogenesis-related proteins. Four maize PR proteins are chitinases. Plant Molecular Biology, 1988, 11, 529-538.	3.9	82
18	The <i>GacA</i> global regulator is required for the appropriate expression of <i>Erwinia chrysanthemi</i> 3937 pathogenicity genes during plant infection. Environmental Microbiology, 2008, 10, 545-559.	3.8	81

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19	Heavy-metal-responsive genes in maize: identification and comparison of their expression upon various forms of abiotic stress. <i>Planta</i> , 1996, 199, 1-8.	3.2	80
20	Purification and functional characterization of PecS, a regulator of virulence-factor synthesis in <i>Erwinia chrysanthemi</i> . <i>Molecular Microbiology</i> , 1996, 20, 391-402.	2.5	80
21	The nucleoid-associated proteins H-NS and FIS modulate the DNA supercoiling response of the <i>pel</i> genes, the major virulence factors in the plant pathogen bacterium <i>Dickeya dadantii</i> . <i>Nucleic Acids Research</i> , 2012, 40, 4306-4319.	14.5	80
22	Synthesis and biological evaluation of homoserine lactone derived ureas as antagonists of bacterial quorum sensing. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 4781-4791.	3.0	76
23	CRP Modulates <i>fis</i> Transcription by Alternate Formation of Activating and Repressing Nucleoprotein Complexes. <i>Journal of Biological Chemistry</i> , 2001, 276, 17878-17886.	3.4	72
24	Maize pathogenesis-related proteins: characterization and cellular distribution of 1,3- β -glucanases and chitinases induced by brome mosaic virus infection or mercuric chloride treatment. <i>Physiological and Molecular Plant Pathology</i> , 1990, 36, 1-14.	2.5	71
25	Plant-phytopathogen interactions: bacterial responses to environmental and plant stimuli. <i>Environmental Microbiology</i> , 2017, 19, 1689-1716.	3.8	65
26	H-NS-dependent activation of pectate lyase synthesis in the phytopathogenic bacterium <i>Erwinia chrysanthemi</i> mediated by the PecT repressor. <i>Molecular Microbiology</i> , 2002, 43, 733-748.	2.5	61
27	Lactic acid bacteria involved in cocoa beans fermentation from Ivory Coast: Species diversity and citrate lyase production. <i>International Journal of Food Microbiology</i> , 2017, 256, 11-19.	4.7	61
28	Pectate lyase from <i>Bacillus subtilis</i> : molecular characterization of the gene, and properties of the cloned enzyme. <i>FEBS Letters</i> , 1993, 335, 319-326.	2.8	60
29	Antagonistic effect of CRP and KdgR in the transcription control of the <i>Erwinia chrysanthemi</i> pectinolysis genes. <i>Molecular Microbiology</i> , 1997, 26, 1071-1082.	2.5	60
30	Bacterial genome architecture shapes global transcriptional regulation by DNA supercoiling. <i>Nucleic Acids Research</i> , 2019, 47, 5648-5657.	14.5	60
31	Purification and characterization of extracellular pectate lyase from <i>Bacillus subtilis</i> . <i>Biochimie</i> , 1990, 72, 689-695.	2.6	59
32	The <i>pir</i> gene of <i>Erwinia chrysanthemi</i> EC16 regulates hyperinduction of pectate lyase virulence genes in response to plant signals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 14034-14039.	7.1	56
33	The nucleoid-associated protein Fis directly modulates the synthesis of cellulose, an essential component of bacterial biofilms in the phytopathogenic bacterium <i>Dickeya dadantii</i> . <i>Molecular Microbiology</i> , 2012, 86, 172-186.	2.5	55
34	Quorum Sensing Signaling Molecules Produced by Reference and Emerging Soft-Rot Bacteria (<i>Dickeya</i>) Tj ETQq0 0,0 rGBT /Overlock 10	2.5	54
35	Global transcriptional response of <i>Dickeya dadantii</i> to environmental stimuli relevant to the plant infection. <i>Environmental Microbiology</i> , 2016, 18, 3651-3672.	3.8	53
36	Definition of a Consensus DNA-binding Site for PecS, a Global Regulator of Virulence Gene Expression in <i>Erwinia chrysanthemi</i> and Identification of New Members of the PecS Regulon. <i>Journal of Biological Chemistry</i> , 2004, 279, 30158-30167.	3.4	51

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37	Modeling the onset of virulence in a pectinolytic bacterium. <i>Journal of Theoretical Biology</i> , 2007, 244, 239-257.	1.7	49
38	Chromosomal "Stress-Response" Domains Govern the Spatiotemporal Expression of the Bacterial Virulence Program. <i>MBio</i> , 2015, 6, e00353-15.	4.1	49
39	Analysis of three clustered polygalacturonase genes in <i>Erwinia chrysanthemi</i> 3937 revealed an anti-repressor function for the PecS regulator. <i>Molecular Microbiology</i> , 1999, 34, 641-650.	2.5	47
40	Role of the Nucleoid-Associated Protein H-NS in the Synthesis of Virulence Factors in the Phytopathogenic Bacterium <i>Erwinia chrysanthemi</i> . <i>Molecular Plant-Microbe Interactions</i> , 2001, 14, 10-20.	2.6	47
41	Direct Evidence for the Modulation of the Activity of the <i>Erwinia chrysanthemi</i> Quorum-sensing Regulator ExpR by Acylhomoserine Lactone Pheromone. <i>Journal of Biological Chemistry</i> , 2006, 281, 29972-29987.	3.4	46
42	Bacterial virulence and Fis: adapting regulatory networks to the host environment. <i>Trends in Microbiology</i> , 2014, 22, 92-99.	7.7	46
43	Molecular identification and pectate lyase production by <i>Bacillus</i> strains involved in cocoa fermentation. <i>Food Microbiology</i> , 2011, 28, 1-8.	4.2	45
44	The DNA nucleoid-associated protein Fis coordinates the expression of the main virulence genes in the phytopathogenic bacterium <i>Erwinia chrysanthemi</i> . <i>Molecular Microbiology</i> , 2007, 66, 1474-1490.	2.5	43
45	Inducing properties of analogs of 2-keto-3-deoxygluconate on the expression of pectinase genes of <i>Erwinia chrysanthemi</i> . <i>FEMS Microbiology Letters</i> , 1991, 81, 73-78.	1.8	42
46	lpxC and yafS are the Most Suitable Internal Controls to Normalize Real Time RT-qPCR Expression in the Phytopathogenic Bacteria <i>Dickeya dadantii</i> . <i>PLoS ONE</i> , 2011, 6, e20269.	2.5	41
47	<i>Erwinia carotovora</i> has two KdgR-like proteins belonging to the lclR family of transcriptional regulators: identification and characterization of the RexZ activator and the KdgR repressor of pathogenesis. <i>Microbiology (United Kingdom)</i> , 1999, 145, 1531-1545.	1.8	39
48	Chromosomal organization of transcription: in a nutshell. <i>Current Genetics</i> , 2018, 64, 555-565.	1.7	39
49	Toward a Quantitative Modeling of the Synthesis of the Pectate Lyases, Essential Virulence Factors in <i>Dickeya dadantii</i> . <i>Journal of Biological Chemistry</i> , 2010, 285, 28565-28576.	3.4	38
50	Systematic targeted mutagenesis of the MarR/SlyA family members of <i>Dickeya dadantii</i> 3937 reveals a role for MfbR in the modulation of virulence gene expression in response to acidic pH. <i>Molecular Microbiology</i> , 2010, 78, 1018-1037.	2.5	37
51	Mutual control of the PecS/PecM couple, two proteins regulating virulence factor synthesis in <i>Erwinia chrysanthemi</i> . <i>Molecular Microbiology</i> , 1997, 24, 803-814.	2.5	36
52	Regulation of <i>pelD</i> and <i>pelE</i> , Encoding Major Alkaline Pectate Lyases in <i>Erwinia chrysanthemi</i> : Involvement of the Main Transcriptional Factors. <i>Journal of Bacteriology</i> , 1999, 181, 5948-5957.	2.2	36
53	IscR Regulates Synthesis of Colonization Factor Antigen I Fimbriae in Response to Iron Starvation in Enterotoxigenic <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2015, 197, 2896-2907.	2.2	35
54	Positive co-regulation of the <i>Escherichia coli</i> carnitine pathway <i>cai</i> and <i>fix</i> operons by CRP and the CaiF activator. <i>Molecular Microbiology</i> , 1999, 34, 562-575.	2.5	34

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55	Biochemical Properties of Pectate Lyases Produced by Three Different <i>Bacillus</i> Strains Isolated from Fermenting Cocoa Beans and Characterization of Their Cloned Genes. <i>Applied and Environmental Microbiology</i> , 2010, 76, 5214-5220.	3.1	34
56	Spatial organization of DNA sequences directs the assembly of bacterial chromatin by a nucleoid-associated protein. <i>Journal of Biological Chemistry</i> , 2017, 292, 7607-7618.	3.4	33
57	DNA Supercoiling: an Ancestral Regulator of Gene Expression in Pathogenic Bacteria?. <i>Computational and Structural Biotechnology Journal</i> , 2019, 17, 1047-1055.	4.1	33
58	PecS is an important player in the regulatory network governing the coordinated expression of virulence genes during the interaction between <i>Dickeya dadantii</i> 3937 and plants. <i>Environmental Microbiology</i> , 2011, 13, 2901-2914.	3.8	32
59	The phytopathogenic nature of <i>Dickeya aquatica</i> 174/2 and the dynamic early evolution of <i>Dickeya</i> pathogenicity. <i>Environmental Microbiology</i> , 2019, 21, 2809-2835.	3.8	32
60	PecS and PecT Coregulate the Synthesis of HrpN and Pectate Lyases, Two Virulence Determinants in <i>Erwinia chrysanthemi</i> 3937. <i>Molecular Plant-Microbe Interactions</i> , 2005, 18, 1205-1214.	2.6	30
61	Role of the <i>LysR</i> -type transcriptional regulator <i>PecT</i> and <i>DNA</i> supercoiling in the thermoregulation of <i>pel</i> genes, the major virulence factors in <i>Dickeya dadantii</i> . <i>Environmental Microbiology</i> , 2014, 16, 734-745.	3.8	30
62	Integration of two essential virulence modulating signals at the <i>Erwinia chrysanthemi pel</i> gene promoters: a role for <i>Fis</i> in the growth-phase regulation. <i>Molecular Microbiology</i> , 2007, 66, 071119190133005-???	2.5	28
63	Molecular characterization of the <i>Erwinia chrysanthemi kdgK</i> gene involved in pectin degradation. <i>Journal of Bacteriology</i> , 1994, 176, 2386-2392.	2.2	25
64	PehN, a Polygalacturonase Homologue with a Low Hydrolase Activity, Is Coregulated with the Other <i>Erwinia chrysanthemi</i> Polygalacturonases. <i>Journal of Bacteriology</i> , 2002, 184, 2664-2673.	2.2	24
65	Transcriptional regulation of <i>fis</i> operon involves a module of multiple coupled promoters. <i>EMBO Journal</i> , 2002, 21, 715-724.	7.8	24
66	Acetic acid bacteria (AAB) involved in cocoa fermentation from Ivory Coast: species diversity and performance in acetic acid production. <i>Journal of Food Science and Technology</i> , 2020, 57, 1904-1916.	2.8	24
67	APER0: a genome-wide approach for identifying bacterial small RNAs from RNA-Seq data. <i>Nucleic Acids Research</i> , 2019, 47, e88-e88.	14.5	21
68	The nucleoid-associated protein IHF acts as a σ -transcriptional domainin TM protein coordinating the bacterial virulence traits with global transcription. <i>Nucleic Acids Research</i> , 2021, 49, 776-790.	14.5	21
69	Regulation of the synthesis of pulp degrading enzymes in <i>Bacillus</i> isolated from cocoa fermentation. <i>Food Microbiology</i> , 2017, 63, 255-262.	4.2	20
70	Upstream Binding of Idling RNA Polymerase Modulates Transcription Initiation from a Nearby Promoter. <i>Journal of Biological Chemistry</i> , 2015, 290, 8095-8109.	3.4	18
71	Temporal control of <i>Dickeya dadantii</i> main virulence gene expression by growth phase-dependent alteration of regulatory nucleoprotein complexes. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2016, 1859, 1470-1480.	1.9	16
72	Nouvelle Synthèse de L'Acide 3-Desoxy-D-Erythro-2-Hexulosonique (KDG). A Partir De La D-Glucono-1,5-Lactone Synthèse Et Etude De RMN De Derivés O-Méthyles Du KDG. <i>Journal of Carbohydrate Chemistry</i> , 1991, 10, 787-811.	1.1	15

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73	The PecT repressor interacts with regulatory regions of pectate lyase genes in <i>Erwinia chrysanthemi</i> . <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1998, 1442, 148-160.	2.4	15
74	Transcriptional start site turnover in the evolution of bacterial paralogous genes – the <i>pelD</i> virulence genes in <i>Dickeya</i> . <i>FEBS Journal</i> , 2016, 283, 4192-4207.	4.7	15
75	Coherent Domains of Transcription Coordinate Gene Expression During Bacterial Growth and Adaptation. <i>Microorganisms</i> , 2019, 7, 694.	3.6	13
76	Role of the Discriminator Sequence in the Supercoiling Sensitivity of Bacterial Promoters. <i>MSystems</i> , 2021, 6, e0097821.	3.8	13
77	Identification of Novel Components Influencing Colonization Factor Antigen I Expression in Enterotoxigenic <i>Escherichia coli</i> . <i>PLoS ONE</i> , 2015, 10, e0141469.	2.5	13
78	Self-regulation of Pir, a Regulatory Protein Responsible for Hyperinduction of Pectate Lyase in <i>Erwinia chrysanthemi</i> EC16. <i>Molecular Plant-Microbe Interactions</i> , 1999, 12, 385-390.	2.6	12
79	The PecM protein is necessary for the DNA-binding capacity of the PecS repressor, one of the regulators of virulence-factor synthesis in <i>Erwinia chrysanthemi</i> . <i>FEMS Microbiology Letters</i> , 2006, 154, 265-270.	1.8	12
80	DNA sequence-directed cooperation between nucleoid-associated proteins. <i>IScience</i> , 2021, 24, 102408.	4.1	12
81	Implications of carbon catabolite repression for plant-microbe interactions. <i>Plant Communications</i> , 2022, 3, 100272.	7.7	11
82	Inducing properties of analogs of 2-keto-3-deoxygluconate on the expression of pectinase genes of <i>Erwinia chrysanthemi</i> . <i>FEMS Microbiology Letters</i> , 1991, 81, 73-78.	1.8	10
83	Relationship between the Chromosome Structural Dynamics and Gene Expression – A Chicken and Egg Dilemma?. <i>Microorganisms</i> , 2022, 10, 846.	3.6	7
84	Regulation of <i>pel</i> genes, major virulence factors in the plant pathogen bacterium <i>Dickeya dadantii</i> , is mediated by cooperative binding of the nucleoid-associated protein H-NS. <i>Research in Microbiology</i> , 2016, 167, 247-253.	2.1	6
85	Separation and quantification of 2-keto-3-deoxy-gluconate (KDG) a major metabolite in pectin and alginate degradation pathways. <i>Analytical Biochemistry</i> , 2021, 619, 114061.	2.4	6
86	Purification and characterization of the nuclease NucM of <i>Erwinia chrysanthemi</i> . <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1995, 1262, 133-138.	2.4	5
87	RNA Chaperones Hfq and ProQ Play a Key Role in the Virulence of the Plant Pathogenic Bacterium <i>Dickeya dadantii</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 687484.	3.5	5
88	Crystallization and preliminary X-ray studies of the pectate lyase from <i>Bacillus subtilis</i> . <i>Journal of Molecular Biology</i> , 1992, 228, 1255-1258.	4.2	4
89	Modeling the bioconversion of polysaccharides in a continuous reactor: A case study of the production of oligogalacturonates by <i>Dickeya dadantii</i> . <i>Journal of Biological Chemistry</i> , 2019, 294, 1753-1762.	3.4	4
90	Rethinking the Bacterial Genetic Regulation. <i>Biochemistry and Analytical Biochemistry: Current Research</i> , 2015, 04, .	0.4	4

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91	Mapping the Complex Transcriptional Landscape of the Phytopathogenic Bacterium <i>Dickeya dadantii</i> . <i>MBio</i> , 2022, 13, e0052422.	4.1	4
92	Regulation of pectinase biosynthesis in <i>Erwinia chrysanthemi</i> . <i>Progress in Biotechnology</i> , 1996, , 311-330.	0.2	2
93	The PecM protein is necessary for the DNA-binding capacity of the PecS repressor, one of the regulators of virulence-factor synthesis in <i>Erwinia chrysanthemi</i> . <i>FEMS Microbiology Letters</i> , 1997, 154, 265-270.	1.8	1
94	Carbon catabolite repression in pectin digestion by the phytopathogen <i>Dickeya dadantii</i> . <i>Journal of Biological Chemistry</i> , 2022, 298, 101446.	3.4	1
95	Quantitative contribution of the spacer length in the supercoiling-sensitivity of bacterial promoters. <i>Nucleic Acids Research</i> , 2022, 50, 7287-7297.	14.5	1
96	Design and comparative characterization of RecA variants. <i>Scientific Reports</i> , 2021, 11, 21106.	3.3	0
97	DNA Sequence-Directed Cooperation between Nucleoid-Associated Proteins. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0