Didier Lereclus

List of Publications by Year
in descending order

78 papers	6,210 citations	61984 43 h-index	71685 76 g-index
82 all docs	82 docs citations	82 times ranked	3022 citing authors

#	Article	IF	Citations
1	The Transcription Factor CpcR Determines Cell Fate by Modulating the Initiation of Sporulation in Bacillus thuringiensis. Applied and Environmental Microbiology, 2022, 88, aem0237421.	3.1	3
2	Expression of the Bacillus thuringiensis <i>vip3A</i> Insecticidal Toxin Gene Is Activated at the Onset of Stationary Phase by VipR, an Autoregulated Transcription Factor. Microbiology Spectrum, 2022, 10, .	3.0	0
3	Massive Integration of Planktonic Cells within a Developing Biofilm. Microorganisms, 2021, 9, 298.	3.6	2
4	The Fate of Bacteria of the Bacillus cereus Group in the Amoeba Environment. Microbial Ecology, 2021, , 1.	2.8	2
5	Immune Inhibitor A Metalloproteases Contribute to Virulence in <i>Bacillus</i> Endophthalmitis. Infection and Immunity, 2021, 89, e0020121.	2.2	7
6	The stationary phase regulator CpcR activates <i>cry</i> gene expression in nonâ€sporulating cells of <i>Bacillus thuringiensis</i>. Molecular Microbiology, 2020, 113, 740-754.	2.5	10
7	Rap-Phr Systems from Plasmids pAW63 and pHT8-1 Act Together To Regulate Sporulation in the Bacillus thuringiensis Serovar kurstaki HD73 Strain. Applied and Environmental Microbiology, 2020, 86, .	3.1	9
8	The Alternative Sigma Factor SigB Is Required for the Pathogenicity of Bacillus thuringiensis. Journal of Bacteriology, 2020, 202, .	2.2	2
9	The signaling peptide PapR is required for the activity of the quorum-sensor PlcRa in Bacillus thuringiensis. Microbiology (United Kingdom), 2020, 166, 398-410.	1.8	6
10	The oligopeptide ABC-importers are essential communication channels in Gram-positive bacteria. Research in Microbiology, 2019, 170, 338-344.	2.1	26
11	Elucidating the Hot Spot Residues of Quorum Sensing Peptidic Autoinducer PapR by Multiple Amino Acid Replacements. Frontiers in Microbiology, 2019, 10, 1246.	3.5	15
12	The <i>Bacillus cereus</i> Group: <i>Bacillus</i> Species with Pathogenic Potential. Microbiology Spectrum, 2019, 7, .	3.0	317
13	Diversity of the Rapâ€“Phr quorum-sensing systems in the Bacillus cereus group. Current Genetics, 2019, 65, 1367-1381.	1.7	21
14	The signaling peptide NprX controlling sporulation and necrotrophism is imported into <i>Bacillus thuringiensis</i> by two oligopeptide permease systems. Molecular Microbiology, 2019, 112, 219-232.	2.5	7
15	CalY is a major virulence factor and a biofilm matrix protein. Molecular Microbiology, 2019, 111, 1416-1429.	2.5	29
16	A plasmidâ€borne Rapâ€Phr system regulates sporulation of <i>Bacillus thuringiensis</i> in insect larvae. Environmental Microbiology, 2018, 20, 145-155.	3.8	15
17	InhA1-Mediated Cleavage of the Metalloprotease NprA Allows Bacillus cereus to Escape From Macrophages. Frontiers in Microbiology, 2018, 9, 1063.	3.5	19
18	Turning off Bacillus cereus quorum sensing system with peptidic analogs. Chemical Communications, 2018, 54, 9777-9780.	4.1	19

#	Article	IF	Citations
19	Genetic and functional analyses of krs, a locus encoding kurstakin, a lipopeptide produced by Bacillus thuringiensis. Research in Microbiology, 2017, 168, 356-368.	2.1	33
20	Two distinct pathways lead Bacillus thuringiensis to commit to sporulation in biofilm. Research in Microbiology, 2017, 168, 388-393.	2.1	19
21	Beneficial and detrimental spore-formers: a world of diversity. Research in Microbiology, 2017, 168, 307-308.	2.1	6
22	Comparative genomics of extrachromosomal elements in Bacillus thuringiensis subsp. israelensis. Research in Microbiology, 2017, 168, 331-344.	2.1	28
23	Analysis of abrB Expression during the Infectious Cycle of Bacillus thuringiensis Reveals Population Heterogeneity. Frontiers in Microbiology, 2017, 8, 2471.	3.5	9
24	How Quorum Sensing Connects Sporulation to Necrotrophism in Bacillus thuringiensis. PLoS Pathogens, 2016, 12, e1005779.	4.7	46
25	NprR, a moonlighting quorum sensor shifting from a phosphatase activity to a transcriptional activator. Microbial Cell, 2016, 3, 573-575.	3.2	10
26	Cell Differentiation in a Bacillus thuringiensis Population during Planktonic Growth, Biofilm Formation, and Host Infection. MBio, 2015, 6, e00138-15.	4.1	47
27	Division of labour and terminal differentiation in a novel <i>Bacillus thuringiensis</i> strain. ISME Journal, 2015, 9, 286-296.	9.8	26
28	CodY Regulates the Activity of the Virulence Quorum Sensor PlcR by Controlling the Import of the Signaling Peptide PapR in Bacillus thuringiensis. Frontiers in Microbiology, 2015, 6, 1501.	3.5	50
29	SinR Controls Enterotoxin Expression in Bacillus thuringiensis Biofilms. PLoS ONE, 2014, 9, e87532.	2.5	83
30	Draft Genome Sequence of Bacillus thuringiensis Strain LM1212, Isolated from the Cadaver of an <i>Oryctes gigas</i> Larva in Madagascar. Genome Announcements, 2014, 2, .	0.8	3
31	Quorum Sensing in Bacillus thuringiensis Is Required for Completion of a Full Infectious Cycle in the Insect. Toxins, 2014, 6, 2239-2255.	3.4	103
32	Regulation of cry Gene Expression in Bacillus thuringiensis. Toxins, 2014, 6, 2194-2209.	3.4	77
33	The Social Biology of Quorum Sensing in a Naturalistic Host Pathogen System. Current Biology, 2014, 24, 2417-2422.	3.9	54
34	Activity of the <i><scp>B</scp>acillus thuringiensis</i>â€…<scp>NprR</scp>â€“<scp>NprX</scp> cellâ€“cell communication system is coâ€ordinated to the physiological stage through a complex transcriptional regulation. Molecular Microbiology, 2013, 88, 48-63.	2.5	29
35	Peptide-binding dependent conformational changes regulate the transcriptional activity of the quorum-sensor NprR. Nucleic Acids Research, 2013, 41, 7920-7933.	14.5	57
36	Structural basis for the activation mechanism of the PlcR virulence regulator by the quorum-sensing signal peptide PapR. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 1047-1052.	7.1	90

#	Article	IF	Citations
37	Complete Genome Sequence of Bacillus thuringiensis subsp. <i>kurstaki</i> Strain HD73. Genome Announcements, 2013, 1, e0008013.	0.8	47
38	Glucose 6P Binds and Activates HlyIIR to Repress Bacillus cereus Haemolysin hlyII Gene Expression. PLoS ONE, 2013, 8, e55085.	2.5	21
39	Necrotrophism Is a Quorum-Sensing-Regulated Lifestyle in Bacillus thuringiensis. PLoS Pathogens, 2012, 8, e1002629.	4.7	94
40	Identification of the Promoter in the Intergenic Region between <i>orf1</i> and <i>cry8Ea1</i> Controlled by Sigma H Factor. Applied and Environmental Microbiology, 2012, 78, 4164-4168.	3.1	29
41	Weak Transcription of the <i>cry1Ac</i> Gene in Nonsporulating Bacillus thuringiensis Cells. Applied and Environmental Microbiology, 2012, 78, 6466-6474.	3.1	38
42	How the insect pathogen bacteria Bacillus thuringiensis and Xenorhabdus/Photorhabdus occupy their hosts. Current Opinion in Microbiology, 2012, 15, 220-231.	5.1	144
43	PlcRa, a New Quorum-Sensing Regulator from Bacillus cereus, Plays a Role in Oxidative Stress Responses and Cysteine Metabolism in Stationary Phase. PLoS ONE, 2012, 7, e51047.	2.5	29
44	Haemolysin II is a Bacillus cereus virulence factor that induces apoptosis of macrophages. Cellular Microbiology, 2011, 13, 92-108.	2.1	81
45	A cellâ€“cell communication system regulates protease production during sporulation in bacteria of the <i>Bacillus cereus</i> group. Molecular Microbiology, 2011, 82, 619-633.	2.5	111
46	The InhA Metalloproteases of<i>Bacillus cereus</i>Contribute Concomitantly to Virulence. Journal of Bacteriology, 2010, 192, 286-294.	2.2	99
47	CwpFM (EntFM) Is a <i>Bacillus cereus</i> Potential Cell Wall Peptidase Implicated in Adhesion, Biofilm Formation, and Virulence. Journal of Bacteriology, 2010, 192, 2638-2642.	2.2	109
48	InhA1, NprA, and HlyII as Candidates for Markers To Differentiate Pathogenic from Nonpathogenic<i>Bacillus cereus</i>Strains. Journal of Clinical Microbiology, 2010, 48, 1358-1365.	3.9	79
49	Bacillus thuringiensis: an impotent pathogen?. Trends in Microbiology, 2010, 18, 189-194.	7.7	297
50	Extending the Bacillus cereus group genomics to putative food-borne pathogens of different toxicity. Chemico-Biological Interactions, 2008, 171, 236-249.	4.0	140
51	The PlcR Virulence Regulon of Bacillus cereus. PLoS ONE, 2008, 3, e2793.	2.5	262
52	Structure of PlcR: Insights into virulence regulation and evolution of quorum sensing in Gram-positive bacteria. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 18490-18495.	7.1	132
53	Adhesion and cytotoxicity of Bacillus cereus and Bacillus thuringiensis to epithelial cells are FlhA and PlcR dependent, respectively. Microbes and Infection, 2006, 8, 1483-1491.	1.9	94
54	The InhA1 metalloprotease allows spores of the B.â€ƒcereus group to escape macrophages. Cellular Microbiology, 2005, 7, 1357-1364.	2.1	89

#	Article	IF	Citations
55	A comparative study ofBacillus cereus,Bacillus thuringiensis andBacillus anthracis extracellular proteomes. Proteomics, 2005, 5, 3696-3711.	2.2	110
56	BacillusEndophthalmitis: Roles of Bacterial Toxins and Motility during Infection. , 2005, 46, 3233.		67
57	FlhA Influences Bacillus thuringiensis PlcR-Regulated Gene Transcription, Protein Production, and Virulence. Applied and Environmental Microbiology, 2005, 71, 8903-8910.	3.1	87
58	Specificity and Polymorphism of the PlcR-PapR Quorum-Sensing System in the Bacillus cereus Group. Journal of Bacteriology, 2005, 187, 1182-1187.	2.2	93
59	Distinct Mutations in PlcR Explain Why Some Strains of the Bacillus cereus Group Are Nonhemolytic. Journal of Bacteriology, 2004, 186, 3531-3538.	2.2	87
60	The Bacillus thuringiensis PlcR-Regulated Gene inhA2 Is Necessary, but Not Sufficient, for Virulence. Journal of Bacteriology, 2003, 185, 2820-2825.	2.2	54
61	Relationship of plcR -Regulated Factors to Bacillus Endophthalmitis Virulence. Infection and Immunity, 2003, 71, 3116-3124.	2.2	85
62	Genetic Differentiation between Sympatric Populations of Bacillus cereus and Bacillus thuringiensis. Applied and Environmental Microbiology, 2002, 68, 1414-1424.	3.1	101
63	The InhA2 Metalloprotease of Bacillus thuringiensis Strain 407 Is Required for Pathogenicity in Insects Infected via the Oral Route. Journal of Bacteriology, 2002, 184, 3296-3304.	2.2	106
64	Contribution of Membrane-Damaging Toxins to Bacillus Endophthalmitis Pathogenesis. Infection and Immunity, 2002, 70, 5381-5389.	2.2	59
65	Two-dimensional electrophoresis analysis of the extracellular proteome of<i>Bacillus cereus</i>reveals the importance of the PlcR regulon. Proteomics, 2002, 2, 784-791.	2.2	175
66	A cell-cell signaling peptide activates the PlcR virulence regulon in bacteria of the Bacillus cereus group. EMBO Journal, 2002, 21, 4550-4559.	7.8	241
67	Oligopeptide permease is required for expression of the Bacillus thuringiensis plcR regulon and for virulence. Molecular Microbiology, 2001, 40, 963-975.	2.5	171
68	Identification of genes involved in the activation of the Bacillus thuringiensis inhA metalloprotease gene at the onset of sporulation The GenBank/EMBL/DDBJ accession number for the sequence reported in this paper is AF287346.. Microbiology (United Kingdom), 2001, 147, 1805-1813.	1.8	60
69	Survival and conjugation of Bacillus thuringiensis in a soil microcosm. FEMS Microbiology Ecology, 2000, 31, 255-259.	2.7	37
70	The plcR regulon is involved in the opportunistic properties of Bacillus thuringiensis and Bacillus cereus in mice and insects. Microbiology (United Kingdom), 2000, 146, 2825-2832.	1.8	202
71	PlcR is a pleiotropic regulator of extracellular virulence factor gene expression in Bacillus thuringiensis. Molecular Microbiology, 1999, 32, 1043-1053.	2.5	320
72	Characterization of plasmid pAW63, a second self-transmissible plasmid in Bacillus thuringiensis subsp. kurstaki HD73. Microbiology (United Kingdom), 1998, 144, 1263-1270.	1.8	100

#	Article	IF	Citations
73	Overproduction of Encapsulated Insecticidal Crystal Proteins in a Bacillus thuringiensis spoOA Mutant. Nature Biotechnology, 1995, 13, 67-71.	17.5	104
74	Structural and functional analysis of the promoter region involved in full expression of the cryIIIA toxin gene of Bacillus thuringiensis. Molecular Microbiology, 1994, 13, 97-107.	2.5	150
75	Expansion of Insecticidal Host Range of Bacillus Thuringiensis by in vivo Genetic Recombination. Bio/technology, 1992, 10, 418-421.	1.5	87
76	Construction of cloning vectors for Bacillus thuringiensis. Gene, 1991, 108, 115-119.	2.2	412
77	Molecular relationships among plasmids ofBacillus thuringiensis: Conserved sequences through 11 crystalliferous strains. Molecular Genetics and Genomics, 1982, 186, 391-398.	2.4	98
78	The<i>Bacillus cereus</i>Group:<i>Bacillus</i>Species with Pathogenic Potential. , 0, , 875-902.		16