Pierre Leblond

List of Publications by Year
in descending order

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72	2,400	172207	223531
papers	citations	29	46
		h-index	g-index

77	77	77	2292
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Identification of a bioactive 51-membered macrolide complex by activation of a silent polyketide synthase in Streptomyces ambofaciens. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 6258-6263.	3.3	275
2	Multiple biosynthetic and uptake systems mediate siderophore-dependent iron acquisition in Streptomyces coelicolor A3(2) and Streptomyces ambofaciens ATCC 23877. Microbiology (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.7	124
3	The unstable region of Streptomyces ambofaciens includes 210 kb terminal inverted repeats flanking the extremities of the linear chromosomal DNA. Molecular Microbiology, 1996, 19, 261-271.	1.2	100
4	Evolution of the Terminal Regions of the Streptomyces Linear Chromosome. Molecular Biology and Evolution, 2006, 23, 2361-2369.	3.5	96
5	Characterization and Manipulation of the Pathway-Specific Late Regulator AlpW RevealsStreptomyces ambofaciensas a New Producer of Kinamycins. Journal of Bacteriology, 2011, 193, 1142-1153.	1.0	96
6	Genome mining of Streptomyces ambofaciens. Journal of Industrial Microbiology and Biotechnology, 2014, 41, 251-263.	1.4	85
7	Diversity and Mobility of Integrative and Conjugative Elements in Bovine Isolates of S treptococcus agalactiae , S. dysgalactiae subsp. dysgalactiae , and S. uberis. Applied and Environmental Microbiology, 2010, 76, 7957-7965.	1.4	75
8	The Streptomyces lividans 66 chromosome contains a 1 MB deletogenic region flanked by two amplifiable regions. Molecular Genetics and Genomics, 1993, 241-241, 255-262.	2.4	71
9	Genome plasticity is governed by double strand break DNA repair in Streptomyces. Scientific Reports, 2018, 8, 5272.	1.6	68
10	Functional Angucycline-Like Antibiotic Gene Cluster in the Terminal Inverted Repeats of the Streptomyces ambofaciens Linear Chromosome. Antimicrobial Agents and Chemotherapy, 2004, 48, 575-588.	1.4	65
11	Pseudomonas fluorescens Pirates both Ferrioxamine and Ferricoelichelin Siderophores from Streptomyces ambofaciens. Applied and Environmental Microbiology, 2015, 81, 3132-3141.	1.4	62
12	First Metagenomic Survey of the Microbial Diversity in Bioaerosols Emitted in Waste Sorting Plants. Annals of Work Exposures and Health, 2017, 61, 1076-1086.	0.6	60
13	Genetic instability and hypervariability in Streptomyces ambofaciens: towards an understanding of a mechanism of genome plasticity. Molecular Microbiology, 1990, 4, 707-714.	1.2	59
14	Bacterial NHEJ: a never ending story. Molecular Microbiology, 2019, 111, 1139-1151.	1.2	55
15	An Iterative Nonribosomal Peptide Synthetase Assembles the Pyrrole-Amide Antibiotic Congocidine in Streptomyces ambofaciens. Chemistry and Biology, 2009, 16, 421-431.	6.2	54
16	Comparative Genomics among Closely Related Streptomyces Strains Revealed Specialized Metabolite Biosynthetic Gene Cluster Diversity. Antibiotics, 2018, 7, 86.	1.5	53
17	Chromosomal arm replacement generates a high level of intraspecific polymorphism in the terminal inverted repeats of the linear chromosomal DNA of Streptomyces ambofaciens. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 14296-14301.	3.3	51
18	New insights into the genetic instability of streptomyces. FEMS Microbiology Letters, 1994, 123, 225-232.	0.7	50

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19	Taxonomic and functional diversity ofStreptomycesin a forest soil. FEMS Microbiology Letters, 2013, 342, 157-167.	0.7	47
20	In silico prediction of horizontal gene transfer in Streptococcus thermophilus. Archives of Microbiology, 2011, 193, 287-297.	1.0	41
21	Differential regulation of two closely related integrative and conjugative elements from Streptococcus thermophilus. BMC Microbiology, 2011, 11, 238.	1.3	41
22	Massive Gene Flux Drives Genome Diversity between Sympatric Streptomyces Conspecifics. MBio, 2019, 10, .	1.8	41
23	Involvement of AlpV, a New Member of the Streptomyces Antibiotic Regulatory Protein Family, in Regulation of the Duplicated Type II Polyketide Synthase alp Gene Cluster in Streptomyces ambofaciens. Journal of Bacteriology, 2005, 187, 2491-2500.	1.0	40
24	Role of secondary metabolites in the interaction betweenPseudomonas fluorescensand soil microorganisms under iron-limited conditions. FEMS Microbiology Ecology, 2016, 92, fiw107.	1.3	39
25	Regulation of the Synthesis of the Angucyclinone Antibiotic Alpomycin inStreptomyces ambofaciensby the Autoregulator Receptor AlpZ and Its Specific Ligand. Journal of Bacteriology, 2008, 190, 3293-3305.	1.0	38
26	Intraspecific Variability of the Terminal Inverted Repeats of the Linear Chromosome of Streptomyces ambofaciens. Journal of Bacteriology, 2006, 188, 6599-6610.	1.0	32
27	A Single Sfp-Type Phosphopantetheinyl Transferase Plays a Major Role in the Biosynthesis of PKS and NRPS Derived Metabolites in Streptomyces ambofaciens ATCC23877. PLoS ONE, 2014, 9, e87607.	1.1	32
28	An Unprecedented 1,2â€Shift in the Biosynthesis of the 3â€Aminosalicylate Moiety of Antimycins. ChemBioChem, 2012, 13, 769-773.	1.3	31
29	End-to-end fusion of linear deleted chromosomes initiates a cycle of genome instability in Streptomyces ambofaciens. Molecular Microbiology, 2003, 50, 411-425.	1.2	30
30	Dynamics of the compartmentalized Streptomyces chromosome during metabolic differentiation. Nature Communications, 2021, 12, 5221.	5.8	30
31	Volatile Lactones from Streptomycetes Arise via the Antimycin Biosynthetic Pathway. ChemBioChem, 2012, 13, 1635-1644.	1.3	29
32	Complete genome sequence of Streptomyces ambofaciens ATCC 23877, the spiramycin producer. Journal of Biotechnology, 2015, 214, 117-118.	1.9	29
33	Cytochrome P450-mediated hydroxylation is required for polyketide macrolactonization in stambomycin biosynthesis. Journal of Antibiotics, 2014, 67, 71-76.	1.0	22
34	Modulation of Lipid Metabolism and Spiramycin Biosynthesis in Streptomyces ambofaciens Unstable Mutants. Applied and Environmental Microbiology, 1999, 65, 2730-2737.	1.4	22
35	Pulsed-field gel electrophoresis analysis of the genome of Streptomyces ambofaciens strains. FEMS Microbiology Letters, 1990, 60, 79-88.	0.7	21
36	SIGffRid: A tool to search for sigma factor binding sites in bacterial genomes using comparative approach and biologically driven statistics. BMC Bioinformatics, 2008, 9, 73.	1.2	19

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37	Mining the Biosynthetic Potential for Specialized Metabolism of a Streptomyces Soil Community. Antibiotics, 2020, 9, 271.	1.5	18
38	Intragenomic and intraspecific polymorphism of the 16Sâ€“23S rDNA internally transcribed sequences of Streptomyces ambofaciens The GenBank accession numbers for the sequences reported in this paper can be found in Table 1.. Microbiology (United Kingdom), 2002, 148, 633-642.	0.7	16
39	Multiple and Variable NHEJ-Like Genes Are Involved in Resistance to DNA Damage in Streptomyces ambofaciens. Frontiers in Microbiology, 2016, 7, 1901.	1.5	15
40	Telomeric and sub-telomeric regions undergo rapid turnover within a Streptomyces population. Scientific Reports, 2020, 10, 7720.	1.6	15
41	Plasmid-like replication of a minimal streptococcal integrative and conjugative element. Microbiology (United Kingdom), 2016, 162, 622-632.	0.7	15
42	One-year follow-up of microbial diversity in bioaerosols emitted in a waste sorting plant in France. Waste Management, 2021, 120, 257-268.	3.7	14
43	Differential and Cross-Transcriptional Control of Duplicated Genes Encoding Alternative Sigma Factors in Streptomyces ambofaciens. Journal of Bacteriology, 2004, 186, 5355-5365.	1.0	13
44	An aminoacylase activity from Streptomyces ambofaciens catalyzes the acylation of lysine on Î±â€position and peptides on Nâ€terminal position. Engineering in Life Sciences, 2018, 18, 589-599.	2.0	12
45	Mapping of the ribosomal operons on the linear chromosomal DNA of Streptomyces ambofaciens DSM40697. FEMS Microbiology Letters, 1996, 143, 167-173.	0.7	11
46	Chromosome geometry and intraspecific genetic polymorphism in Gram-positive bacteria revealed by pulsed-field gel electrophoresis (minireview). Electrophoresis, 1998, 19, 582-588.	1.3	10
47	Replication of the linear chromosomal DNA from the centrally located oriC of Streptomyces ambofaciens revealed by PFGE gene dosage analysis. Research in Microbiology, 1998, 149, 203-210.	1.0	10
48	DNA rearrangements at the extremities of the Streptomyces ambofaciens linear chromosome: Evidence for developmental control. Biochimie, 2000, 82, 29-34.	1.3	10
49	Characterization of two Streptomyces ambofaciens recA mutants: identification of the RecA protein by immunoblotting. FEMS Microbiology Letters, 2006, 149, 181-187.	0.7	10
50	The adnAB Locus, Encoding a Putative Helicase-Nuclease Activity, Is Essential in Streptomyces. Journal of Bacteriology, 2014, 196, 2701-2708.	1.0	10
51	Gluconic acid-producing Pseudomonas sp. prevent Î³-actinorhodin biosynthesis by Streptomyces coelicolor A3(2). Archives of Microbiology, 2014, 196, 619-627.	1.0	10
52	Characterization of experimental complex fungal bioaerosols: Impact of analytical method on fungal composition measurements. Aerosol Science and Technology, 2019, 53, 146-159.	1.5	10
53	Elicitation of Antimicrobial Active Compounds by Streptomyces-Fungus Co-Cultures. Microorganisms, 2021, 9, 178.	1.6	10
54	Genetic instability and its possible evolutionary implications on the chromosomal structure of Streptomyces. Biochimie, 1997, 79, 555-558.	1.3	9

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55	Diversity and antimicrobial activities of Streptomyces isolates from Fetzara Lake, north eastern Algeria. Annales De Biologie Clinique, 2018, 76, 81-95.	0.2	9
56	Subtelomere Plasticity in the Bacterium Streptomyces. , 2014, , 243-258.		9
57	Subtelomeres are fast-evolving regions of the Streptomyces linear chromosome. Microbial Genomics, 2019, 7, .	1.0	9
58	Unstable Linear Chromosomes: the Case of Streptomyces. , 0, , 235-261.		9
59	A New Data Mining Approach for the Detection of Bacterial Promoters Combining Stochastic and Combinatorial Methods. Journal of Computational Biology, 2009, 16, 1211-1225.	0.8	8
60	Spontaneous chromosome circularization and amplification of a new amplifiable unit of DNA belonging to the terminal inverted repeats in Streptomyces ambofaciens ATCC 23877. Archives of Microbiology, 2003, 179, 387-393.	1.0	7
61	Implication of RuvABC and RecG in homologous recombination in Streptomyces ambofaciens. Research in Microbiology, 2017, 168, 26-35.	1.0	7
62	Evolution of the linear chromosomal DNA in Streptomyces: is genomic variability developmentally modulated?. Research in Microbiology, 1999, 150, 439-445.	1.0	6
63	Intraclonal polymorphism in the bacterium Streptomyces ambofaciens ATCC23877: evidence for a high degree of heterogeneity of the wild type clones. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1999, 430, 75-85.	0.4	6
64	Negative Correlation between Lipid Content and Antibiotic Activity in Streptomyces: General Rule and Exceptions. Antibiotics, 2020, 9, 280.	1.5	6
65	Whole-cell biosensor of cellobiose and application to wood decay detection. Journal of Biotechnology, 2016, 239, 39-46.	1.9	5
66	Construction of pDYN6902, a new Streptomyces integrative expression vector designed for cloning sequences interfering with Escherichia coli viability. Plasmid, 2015, 82, 43-49.	0.4	4
67	Genome Sequences of 11 Conspecific Streptomyces sp. Strains. Microbiology Resource Announcements, 2019, 8, .	0.3	4
68	Complete Genome Sequence of Streptomyces ambofaciens DSM 40697, a Paradigm for Genome Plasticity Studies. Genome Announcements, 2016, 4, .	0.8	3
69	Draft Whole-Genome Shotgun Sequence of Streptomyces sp. Strain ETH9427. Microbiology Resource Announcements, 2018, 7, .	0.3	1
70	Genome Sequences of Five Streptomyces Strains Isolated at Microscale. Microbiology Resource Announcements, 2020, 9, .	0.3	1
71	Evolution Underway in Prokaryotes. , 2018, , 339-391.		0
72	DNA repair | Nonhomologous End-Joining in Bacteria. , 2021, , 289-295.		0