Aurelien L Carlier

List of Publications by Year
in descending order

44 papers	1,968 citations	218677 26 h-index	265206 42 g-index
50 all docs	50 docs citations	50 times ranked	1946 citing authors

#	Article	IF	Citations
1	Induction of antibiotic specialized metabolism by coâ€culturing in a collection of phyllosphere bacteria. Environmental Microbiology, 2021, 23, 2132-2151.	3.8	12
2	Paenibacillus foliorum sp. nov., Paenibacillus phytohabitans sp. nov., Paenibacillus plantarum sp. nov., Paenibacillus planticolens sp. nov., Paenibacillus phytorum sp. nov. and Paenibacillus germinis sp. nov., isolated from the Arabidopsis thaliana phyllosphere. International Journal of Systematic and Evolutionary Microbiology, 2021, 71, .	1.7	31
3	Patterns of transmission and horizontal gene transfer in the Dioscorea sansibarensis leaf symbiosis revealed by whole-genome sequencing. Current Biology, 2021, 31, 2666-2673.e4.	3.9	6
4	PaSiT: a novel approach based on short-oligonucleotide frequencies for efficient bacterial identification and typing. Bioinformatics, 2020, 36, 2337-2344.	4.1	5
5	Orrella amnicola sp. nov., isolated from a freshwater river, reclassification of Algicoccus marinus as Orrella marina comb. nov., and emended description of the genus Orrella. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 6381-6389.	1.7	13
6	Introducing SPeDE: High-Throughput Dereplication and Accurate Determination of Microbial Diversity from Matrix-Assisted Laser Desorptionâ€“Ionization Time of Flight Mass Spectrometry Data. MSystems, 2019, 4, .	3.8	53
7	Adaptations and evolution of a heritable leaf nodule symbiosis between Dioscorea sansibarensis and Orrella dioscoreae. ISME Journal, 2019, 13, 1831-1844.	9.8	17
8	Synthesis and Biological Evaluation of the Novel Growth Inhibitor Streptol Glucoside, Isolated from an Obligate Plant Symbiont. Chemistry - A European Journal, 2019, 25, 1722-1726.	3.3	13
9	Pedobacter gandavensis sp. nov., Pedobacter foliorum sp. nov. and Pedobacter planticolens sp. nov., isolated from leaves of Arabidopsis thaliana. International Journal of Systematic and Evolutionary Microbiology, 2019, 71, .	1.7	16
10	Leaf nodule symbiosis: function and transmission of obligate bacterial endophytes. Current Opinion in Plant Biology, 2018, 44, 23-31.	7.1	46
11	Abditibacterium utsteinense sp. nov., the first cultivated member of candidate phylum FBP, isolated from ice-free Antarctic soil samples. Systematic and Applied Microbiology, 2018, 41, 279-290.	2.8	58
12	Heterologous Expression, Biosynthetic Studies, and Ecological Function of the Selective Gqâ€Signaling Inhibitor FR900359. Angewandte Chemie - International Edition, 2018, 57, 836-840.	13.8	57
13	Heterologe Expression, Biosynthese und Ã¶kologische Funktion des selektiven Gqâ€Signaltransduktionsinhibitors FR900359. Angewandte Chemie, 2018, 130, 844-849.	2.0	5
14	Patterns of Nucleotide Deletion and Insertion Inferred from Bacterial Pseudogenes. Genome Biology and Evolution, 2018, 10, 1792-1802.	2.5	12
15	Draft genome and description of Orrella dioscoreae gen. nov. sp. nov., a new species of Alcaligenaceae isolated from leaf acumens of Dioscorea sansibarensis. Systematic and Applied Microbiology, 2017, 40, 11-21.	2.8	42
16	The Essential Genome of Burkholderia cenocepacia H111. Journal of Bacteriology, 2017, 199, .	2.2	24
17	Comparative Genomics of Burkholderia singularis sp. nov., a Low G+C Content, Free-Living Bacterium That Defies Taxonomic Dissection of the Genus Burkholderia. Frontiers in Microbiology, 2017, 8, 1679.	3.5	36
18	Characterization of the emerging zoonotic pathogen Arcobacter thereius by whole genome sequencing and comparative genomics. PLoS ONE, 2017, 12, e0180493.	2.5	21

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19	Comparative genomics of Burkholderia multivorans, a ubiquitous pathogen with a highly conserved genomic structure. PLoS ONE, 2017, 12, e0176191.	2.5	17
20	The genome analysis of <scp>C</scp>andidatusâ€¦<scp>B</scp>urkholderia crenata reveals that secondary metabolism may be a key function of the <scp>A</scp>rdisia crenata leaf nodule symbiosis. Environmental Microbiology, 2016, 18, 2507-2522.	3.8	64
21	The role of siderophores in metal homeostasis of members of the genus Burkholderia. Environmental Microbiology Reports, 2016, 8, 103-109.	2.4	17
22	Molecular mechanisms underlying the close association between soil Burkholderia and fungi. ISME Journal, 2016, 10, 253-264.	9.8	118
23	Evidence of horizontal gene transfer between obligate leaf nodule symbionts. ISME Journal, 2016, 10, 2092-2105.	9.8	63
24	Isolation and Total Synthesis of Kirkamide, an Aminocyclitol from an Obligate Leaf Nodule Symbiont. Angewandte Chemie - International Edition, 2015, 54, 7968-7970.	13.8	44
25	Isolation and Total Synthesis of Kirkamide, an Aminocyclitol from an Obligate Leaf Nodule Symbiont. Angewandte Chemie, 2015, 127, 8079-8081.	2.0	10
26	Microbial Biofilms and Quorum Sensing. , 2015, , 45-52.		4
27	Genome Sequence of Burkholderia cenocepacia H111, a Cystic Fibrosis Airway Isolate. Genome Announcements, 2014, 2, .	0.8	39
28	A novel siderophoreâ€independent strategy of iron uptake in the genus <scp>B</scp>urkholderia. Molecular Microbiology, 2014, 91, 805-820.	2.5	46
29	The Third Replicon of Members of the Burkholderia cepacia Complex, Plasmid pC3, Plays a Role in Stress Tolerance. Applied and Environmental Microbiology, 2014, 80, 1340-1348.	3.1	33
30	Proteomics Analysis of Psychotria Leaf Nodule Symbiosis: Improved Genome Annotation and Metabolic Predictions. Molecular Plant-Microbe Interactions, 2013, 26, 1325-1333.	2.6	27
31	Identification of Burkholderia cenocepacia Strain H111 Virulence Factors Using Nonmammalian Infection Hosts. Infection and Immunity, 2013, 81, 143-153.	2.2	40
32	The AHL- and BDSF-Dependent Quorum Sensing Systems Control Specific and Overlapping Sets of Genes in Burkholderia cenocepacia H111. PLoS ONE, 2012, 7, e49966.	2.5	70
33	Exposing the third chromosome of Burkholderia cepacia complex strains as a virulence plasmid. Molecular Microbiology, 2012, 83, 362-378.	2.5	90
34	The eroded genome of a Psychotria leaf symbiont: hypotheses about lifestyle and interactions with its plant host. Environmental Microbiology, 2012, 14, 2757-2769.	3.8	60
35	Structure/Function Analysis of thePantoea stewartiiQuorum-Sensing Regulator EsaR as an Activator of Transcription. Journal of Bacteriology, 2009, 191, 7402-7409.	2.2	31
36	Identification and characterization of three novel EsaI/EsaR quorumâ€sensing controlled stewartan exopolysaccharide biosynthetic genes in Pantoea stewartii ssp. stewartii. Molecular Microbiology, 2009, 74, 903-913.	2.5	28

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37	The rcsA Promoter of Pantoea stewartii subsp. stewartii Features a Low-Level Constitutive Promoter and an EsaR Quorum-Sensing-Regulated Promoter. Journal of Bacteriology, 2006, 188, 4581-4584.	2.2	20
38	N-hexanoyl-l-homoserine lactone, a mediator of bacterial quorum-sensing regulation, exhibits plant-dependent stability and may be inactivated by germinating Lotus corniculatus seedlings. FEMS Microbiology Ecology, 2005, 52, 13-20.	2.7	107
39	The cell density-dependent expression of stewartan exopolysaccharide in Pantoea stewartii ssp. stewartii is a function of EsaR-mediated repression of the rcsA gene. Molecular Microbiology, 2005, 56, 189-203.	2.5	64
40	Bacterial populations in the rhizosphere of tobacco plants producing the quorum-sensing signals hexanoyl-homoserine lactone and 3-oxo-hexanoyl-homoserine lactone. FEMS Microbiology Ecology, 2004, 51, 19-29.	2.7	34
41	The Assimilation of Î³-Butyrolactone in Agrobacterium tumefaciens C58 Interferes with the Accumulation of the N-Acyl-Homoserine Lactone Signal. Molecular Plant-Microbe Interactions, 2004, 17, 951-957.	2.6	69
42	The Ti Plasmid of Agrobacterium tumefaciens Harbors an attM-Paralogous Gene, aiiB, Also Encoding N-Acyl Homoserine Lactonase Activity. Applied and Environmental Microbiology, 2003, 69, 4989-4993.	3.1	189
43	Novel bacteria degrading N-acylhomoserine lactones and their use as quenchers of quorum-sensing-regulated functions of plant-pathogenic bacteria. Microbiology (United Kingdom), 2003, 149, 1981-1989.	1.8	213
44	Role of Quorum-Sensing Regulation in Pathogenesis of Pantoea stewartii subsp. stewartii. , 0, , 201-212.		0