Christine Baysse

List of Publications by Year
in descending order

37 papers	2,813 citations	218677 26 h-index	345221 36 g-index
38 all docs	38 docs citations	38 times ranked	3648 citing authors

#	Article	IF	Citations
1	The pyocins of Pseudomonas aeruginosa. Biochimie, 2002, 84, 499-510.	2.6	459
2	Transcriptome profiling of bacterial responses to root exudates identifies genes involved in microbe-plant interactions. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 17454-17459.	7.1	232
3	The antibacterial properties of isothiocyanates. Microbiology (United Kingdom), 2015, 161, 229-243.	1.8	191
4	Characterization of a new efflux pump, MexGHI-OpmD, from Pseudomonas aeruginosa that confers resistance to vanadium. Microbiology (United Kingdom), 2002, 148, 2371-2381.	1.8	186
5	Influence of the regulatory protein RsmA on cellular functions in Pseudomonas aeruginosa PAO1, as revealed by transcriptome analysis. Microbiology (United Kingdom), 2006, 152, 405-418.	1.8	157
6	cumA , a Gene Encoding a Multicopper Oxidase, Is Involved in Mn ²⁺ Oxidation in Pseudomonas putida GB-1. Applied and Environmental Microbiology, 1999, 65, 1762-1768.	3.1	148
7	Identification of new, conserved, non-ribosomal peptide synthetases from fluorescent pseudomonads involved in the biosynthesis of the siderophore pyoverdine. Molecular Microbiology, 2002, 45, 1673-1685.	2.5	118
8	Quinolobactin, a New Siderophore of Pseudomonas fluorescens ATCC 17400, the Production of Which Is Repressed by the Cognate Pyoverdine. Applied and Environmental Microbiology, 2000, 66, 487-492.	3.1	105
9	The Pseudomonas siderophore quinolobactin is synthesized from xanthurenic acid, an intermediate of the kynurenine pathway. Molecular Microbiology, 2004, 52, 371-384.	2.5	98
10	The post-transcriptional regulator CsrA plays a central role in the adaptation of bacterial pathogens to different stages of infection in animal hosts. Microbiology (United Kingdom), 2008, 154, 16-29.	1.8	98
11	Vanadium interferes with siderophore-mediated iron uptake in Pseudomonas aeruginosa. Microbiology (United Kingdom), 2000, 146, 2425-2434.	1.8	97
12	Identification of type II and type III pyoverdine receptors from Pseudomonas aeruginosa. Microbiology (United Kingdom), 2003, 149, 821-831.	1.8	90
13	Modulation of quorum sensing in Pseudomonas aeruginosa through alteration of membrane properties. Microbiology (United Kingdom), 2005, 151, 2529-2542.	1.8	86
14	Subinhibitory concentrations of the cationic antimicrobial peptide colistin induce the pseudomonas quinolone signal in Pseudomonas aeruginosa. Microbiology (United Kingdom), 2009, 155, 2826-2837.	1.8	74
15	Antimicrobial Activities of Isothiocyanates Against Campylobacter jejuni Isolates. Frontiers in Cellular and Infection Microbiology, 2012, 2, 53.	3.9	68
16	Iron Metabolism: A Promising Target for Antibacterial Strategies. Recent Patents on Anti-infective Drug Discovery, 2009, 4, 190-205.	0.8	68
17	Uptake of Pyocin S3 Occurs through the Outer Membrane Ferripyoverdine Type II Receptor of Pseudomonas aeruginosa. Journal of Bacteriology, 1999, 181, 3849-3851.	2.2	61
18	Molecular Characterization of Pyocin S3, a Novel S-type Pyocin from Pseudomonas aeruginosa. Journal of Biological Chemistry, 1995, 270, 8920-8927.	3.4	55

#	Article	IF	Citations
19	The putative permease PhlE of Pseudomonas fluorescens F113 has a role in 2,4-diacetylphloroglucinol resistance and in general stress tolerance. Microbiology (United Kingdom), 2004, 150, 2443-2450.	1.8	50
20	Impact of the bacterial type I cytochrome c maturation system on different biological processes. Molecular Microbiology, 2005, 56, 1408-1415.	2.5	49
21	Identification of two lysophosphatidic acid acyltransferase genes with overlapping function in Pseudomonas fluorescens. Microbiology (United Kingdom), 2005, 151, 3071-3080.	1.8	46
22	Siderophore-Mediated Iron Uptake in Fluorescent Pseudomonas: Characterization of the Pyoverdine-Receptor Binding Site of Three Cross-Reacting Pyoverdines. Archives of Biochemistry and Biophysics, 2002, 397, 179-183.	3.0	40
23	Insights into the Mode of Action of Benzyl Isothiocyanate on Campylobacter jejuni. Applied and Environmental Microbiology, 2013, 79, 6958-6968.	3.1	39
24	Impaired maturation of the siderophore pyoverdine chromophore inPseudomonas fluorescensATCC 17400 deficient for the cytochromecbiogenesis protein CcmC. FEBS Letters, 2002, 523, 23-28.	2.8	33
25	Different residues in periplasmic domains of the CcmC inner membrane protein of Pseudomonas fluorescens ATCC 17400 are critical for cytochrome c biogenesis and pyoverdine-mediated iron uptake. Molecular Microbiology, 1998, 30, 547-555.	2.5	31
26	Impact of mutations inhemAandhemHgenes on pyoverdine production byPseudomonas fluorescensATCC17400. FEMS Microbiology Letters, 2001, 205, 57-63.	1.8	27
27	Co-ordination of iron acquisition, iron porphyrin chelation and ironâ€“protoporphyrin export via the cytochrome c biogenesis protein CcmC in Pseudomonas fluorescens. Microbiology (United Kingdom), 2003, 149, 3543-3552.	1.8	20
28	Inactivation of the LysR regulator Cj1000 of Campylobacter jejuni affects host colonization and respiration. Microbiology (United Kingdom), 2013, 159, 1165-1178.	1.8	19
29	The Cytochrome bd Oxidase of Porphyromonas gingivalis Contributes to Oxidative Stress Resistance and Dioxygen Tolerance. PLoS ONE, 2015, 10, e0143808.	2.5	18
30	Role of Membrane Structure During Stress Signalling and Adaptation in Pseudomonas. , 2007, , 193-224.		13
31	Multiple phenotypic alterations caused by a c-type cytochrome maturation ccmC gene mutation in Pseudomonas aeruginosa. Microbiology (United Kingdom), 2008, 154, 127-138.	1.8	11
32	High affinity iron uptake by pyoverdine in Pseudomonas aeruginosa involves multiple regulators besides Fur, PvdS, and Fpvl. BioMetals, 2023, 36, 255-261.	4.1	8
33	The events that may contribute to subgingival dysbiosis: a focus on the interplay between iron, sulfide and oxygen. FEMS Microbiology Letters, 2020, 367, .	1.8	7
34	New growth media for oral bacteria. Journal of Microbiological Methods, 2018, 153, 10-13.	1.6	4
35	A Multi-Skilled Mathematical Model of Bacterial Attachment in Initiation of Biofilms. Microorganisms, 2022, 10, 686.	3.6	4
36	Impact of mutations in hemA and hemH genes on pyoverdine production by Pseudomonas fluorescens ATCC17400. FEMS Microbiology Letters, 2001, 205, 57-63.	1.8	2

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37	Method for screening antimicrobial gels against multi-species oral biofilms. Journal of Microbiological Methods, 2021, 187, 106253.	1.6	1