Philippe Delepelaire

List of Publications by Year
in descending order

38 papers	2,858 citations	331670 21 h-index	345221 36 g-index
40 all docs	40 docs citations	40 times ranked	2555 citing authors

#	Article	IF	Citations
1	Structural and molecular determinants for the interaction of ExbB from Serratia marcescens and HasB, a TonB paralog. Communications Biology, 2022, 5, 355.	4.4	5
2	Binding of HasA by its transmembrane receptor HasR follows a conformational funnel mechanism. European Biophysics Journal, 2020, 49, 39-57.	2.2	4
3	Bacterial ABC transporters of iron containing compounds. Research in Microbiology, 2019, 170, 345-357.	2.1	38
4	Structural basis for haem piracy from host haemopexin by Haemophilus influenzae. Nature Communications, 2016, 7, 11590.	12.8	59
5	Structural basis of the signalling through a bacterial membrane receptor HasR deciphered by an integrative approach. Biochemical Journal, 2016, 473, 2239-2248.	3.7	13
6	A tribute to CÃ©cile Wandersman. Research in Microbiology, 2015, 166, 393-398.	2.1	0
7	Interaction of a Partially Disordered Antisigma Factor with Its Partner, the Signaling Domain of the TonB-Dependent Transporter HasR. PLoS ONE, 2014, 9, e89502.	2.5	13
8	The Structure of HasB Reveals a New Class of TonB Protein Fold. PLoS ONE, 2013, 8, e58964.	2.5	23
9	Heme-Delivering Proteins in Bacteria. Handbook of Porphyrin Science, 2013, , 191-222.	0.8	1
10	Haemophore functions revisited. Molecular Microbiology, 2012, 85, 618-631.	2.5	52
11	Haem release from haemopexin by HxuA allows <i>Haemophilus influenzae</i> to escape host nutritional immunity. Molecular Microbiology, 2011, 80, 133-148.	2.5	79
12	Bacteria capture iron from heme by keeping tetrapyrrol skeleton intact. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 11719-11724.	7.1	134
13	Heme uptake across the outer membrane as revealed by crystal structures of the receptorâ€“hemophore complex. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 1045-1050.	7.1	149
14	Modulation by Substrates of the Interaction between the HasR Outer Membrane Receptor and Its Specific TonB-like Protein, HasB. Journal of Molecular Biology, 2008, 378, 840-851.	4.2	27
15	Functional Differences between Heme Permeases: <i>Serratia marcescens</i> HemTUV Permease Exhibits a Narrower Substrate Specificity (Restricted to Heme) Than the <i>Escherichia coli</i> DppABCDF Peptide-Heme Permease. Journal of Bacteriology, 2008, 190, 1866-1870.	2.2	21
16	Mutagenesis and Molecular Modeling Reveal Three Key Extracellular Loops of the Membrane Receptor HasR That Are Involved in Hemophore HasA Binding. Journal of Bacteriology, 2007, 189, 5379-5382.	2.2	11
17	1H, 13C and 15N resonance assignments of the C-terminal domain of HasB, a specific TonB like protein, from Serratia marcescens. Biomolecular NMR Assignments, 2007, 1, 197-199.	0.8	6
18	Purification, crystallization and preliminary X-ray analysis of the outer membrane complex HasAâ€“HasR fromSerratia marcescens. Acta Crystallographica Section F: Structural Biology Communications, 2006, 62, 56-60.	0.7	8

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19	The housekeeping dipeptide permease is the Escherichia coli heme transporter and functions with two optional peptide binding proteins. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 12891-12896.	7.1	118
20	The Heme Transfer from the Soluble HasA Hemophore to Its Membrane-bound Receptor HasR Is Driven by Protein-Protein Interaction from a High to a Lower Affinity Binding Site. Journal of Biological Chemistry, 2006, 281, 25541-25550.	3.4	86
21	Activities of the Serratia marcescens Heme Receptor HasR and Isolated Plug and Î²-Barrel Domains: the Î²-Barrel Forms a Heme-Specific Channel. Journal of Bacteriology, 2005, 187, 4637-4645.	2.2	26
22	Free and Hemophore-Bound Heme Acquisitions through the Outer Membrane Receptor HasR Have Different Requirements for the TonB-ExbB-ExbD Complex. Journal of Bacteriology, 2004, 186, 4067-4074.	2.2	62
23	Bacterial Iron Sources: From Siderophores to Hemophores. Annual Review of Microbiology, 2004, 58, 611-647.	7.3	901
24	Ligand delivery by haem carrier proteins: the binding of Serratia marcescens haemophore to its outer membrane receptor is mediated by two distinct peptide regions. Molecular Microbiology, 2003, 50, 77-88.	2.5	40
25	Antifolding Activity of the SecB Chaperone Is Essential for Secretion of HasA, a Quickly Folding ABC Pathway Substrate. Journal of Biological Chemistry, 2003, 278, 38247-38253.	3.4	27
26	The SecB Chaperone Is Bifunctional in Serratia marcescens : SecB Is Involved in the Sec Pathway and Required for HasA Secretion by the ABC Transporter. Journal of Bacteriology, 2003, 185, 80-88.	2.2	29
27	The N Terminus of the HasA Protein and the SecB Chaperone Cooperate in the Efficient Targeting and Secretion of HasA via the ATP-binding Cassette Transporter. Journal of Biological Chemistry, 2002, 277, 6726-6732.	3.4	21
28	Haemophore-mediated bacterial haem transport: evidence for a common or overlapping site for haem-free and haem-loaded haemophore on its specific outer membrane receptor. Molecular Microbiology, 2001, 41, 439-450.	2.5	77
29	[6] Erwinia metalloprotease permease: Aspects of secretion pathway and secretion functions. Methods in Enzymology, 1998, 292, 67-81.	1.0	4
30	Protein secretion by Gram-negative bacterial ABC exporters â€“ a review. Gene, 1997, 192, 7-11.	2.2	200
31	Spectroscopic Studies of the C-terminal Secretion Signal of the Serratia marcescens Haem Acquisition Protein (HasA) in Various Membrane-Mimetic Environments. FEBS Journal, 1997, 243, 400-407.	0.2	22
32	Crystal Structure of a Complex BetweenSerratia marcescensMetallo-protease and an Inhibitor fromErwinia chrysanthemi. Journal of Molecular Biology, 1995, 248, 653-661.	4.2	100
33	C-Terminal Secretion Signal of an Erwinia chrysanthemi Protease Secreted by a Signal Peptide-Independent Pathway: Proton NMR and CD Conformational Studies in Membrane-Mimetic Environments. Biochemistry, 1994, 33, 6792-6801.	2.5	43
34	A signal peptide-independent protein secretion pathway. Antonie Van Leeuwenhoek, 1992, 61, 111-113.	1.7	10
35	Function of the polypeptides of the photosystem II reaction center in Chlamydomonas reinhardtii. Localization of the primary reactants. Biochimica Et Biophysica Acta - Bioenergetics, 1984, 767, 415-422.	1.0	74
36	Lithium dodecyl sulfate/polyacrylamide gel electrophoresis of thylakoid membranes at 4ÂC: Characterizations of two additional chlorophyll a-protein complexes. Proceedings of the National Academy of Sciences of the United States of America, 1979, 76, 111-115.	7.1	350

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37	Energy transfer and site of energy trapping in Photosystem I. Biochimica Et Biophysica Acta - Bioenergetics, 1978, 502, 183-187.	1.0	18
38	Protein Export and Secretion in Gram-Negative Bacteria. , 0, , 165-208.		4