

# Philippe Delepelaire

## List of Publications by Year in descending order

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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	Bacterial Iron Sources: From Siderophores to Hemophores. Annual Review of Microbiology, 2004, 58, 611-647.	7.3	901
2	Lithium dodecyl sulfate/polyacrylamide gel electrophoresis of thylakoid membranes at 4Å: 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
3	Protein secretion by Gram-negative bacterial ABC exporters – a review. Gene, 1997, 192, 7-11.	2.2	200
4	Heme uptake across the outer membrane as revealed by crystal structures of the receptor-hemophore complex. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 1045-1050.	7.1	149
5	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
6	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
7	Crystal Structure of a Complex Between Serratia marcescens Metallo-protease and an Inhibitor from Erwinia chrysanthemi. Journal of Molecular Biology, 1995, 248, 653-661.	4.2	100
8	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
9	Haem release from haemopexin by HxuA allows Haemophilus influenzae to escape host nutritional immunity. Molecular Microbiology, 2011, 80, 133-148.	2.5	79
10	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
11	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
12	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
13	Structural basis for haem piracy from host haemopexin by Haemophilus influenzae. Nature Communications, 2016, 7, 11590.	12.8	59
14	Haemophore functions revisited. Molecular Microbiology, 2012, 85, 618-631.	2.5	52
15	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
16	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
17	Bacterial ABC transporters of iron containing compounds. Research in Microbiology, 2019, 170, 345-357.	2.1	38
18	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

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19	Antifolding Activity of the SecB Chaperone Is Essential for Secretion of HasA, a Quickly Folding ABC Pathway Substrate. <i>Journal of Biological Chemistry</i> , 2003, 278, 38247-38253.	3.4	27
20	Modulation by Substrates of the Interaction between the HasR Outer Membrane Receptor and Its Specific TonB-like Protein, HasB. <i>Journal of Molecular Biology</i> , 2008, 378, 840-851.	4.2	27
21	Activities of the <i>Serratia marcescens</i> Heme Receptor HasR and Isolated Plug and $\beta$ -Barrel Domains: the $\beta$ -Barrel Forms a Heme-Specific Channel. <i>Journal of Bacteriology</i> , 2005, 187, 4637-4645.	2.2	26
22	The Structure of HasB Reveals a New Class of TonB Protein Fold. <i>PLoS ONE</i> , 2013, 8, e58964.	2.5	23
23	Spectroscopic Studies of the C-terminal Secretion Signal of the <i>Serratia marcescens</i> Haem Acquisition Protein (HasA) in Various Membrane-Mimetic Environments. <i>FEBS Journal</i> , 1997, 243, 400-407.	0.2	22
24	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. <i>Journal of Biological Chemistry</i> , 2002, 277, 6726-6732.	3.4	21
25	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. <i>Journal of Bacteriology</i> , 2008, 190, 1866-1870.	2.2	21
26	Energy transfer and site of energy trapping in Photosystem I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1978, 502, 183-187.	1.0	18
27	Interaction of a Partially Disordered Antisigma Factor with Its Partner, the Signaling Domain of the TonB-Dependent Transporter HasR. <i>PLoS ONE</i> , 2014, 9, e89502.	2.5	13
28	Structural basis of the signalling through a bacterial membrane receptor HasR deciphered by an integrative approach. <i>Biochemical Journal</i> , 2016, 473, 2239-2248.	3.7	13
29	Mutagenesis and Molecular Modeling Reveal Three Key Extracellular Loops of the Membrane Receptor HasR That Are Involved in Hemophore HasA Binding. <i>Journal of Bacteriology</i> , 2007, 189, 5379-5382.	2.2	11
30	A signal peptide-independent protein secretion pathway. <i>Antonie Van Leeuwenhoek</i> , 1992, 61, 111-113.	1.7	10
31	Purification, crystallization and preliminary X-ray analysis of the outer membrane complex HasA-HasR from <i>Serratia marcescens</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2006, 62, 56-60.	0.7	8
32	<sup>1</sup> H, <sup>13</sup> C and <sup>15</sup> N resonance assignments of the C-terminal domain of HasB, a specific TonB like protein, from <i>Serratia marcescens</i> . <i>Biomolecular NMR Assignments</i> , 2007, 1, 197-199.	0.8	6
33	Structural and molecular determinants for the interaction of ExbB from <i>Serratia marcescens</i> and HasB, a TonB paralog. <i>Communications Biology</i> , 2022, 5, 355.	4.4	5
34	[6] <i>Erwinia metalloprotease permease: Aspects of secretion pathway and secretion functions. Methods in Enzymology</i> , 1998, 292, 67-81.	1.0	4
35	Protein Export and Secretion in Gram-Negative Bacteria. , 0, , 165-208.		4
36	Binding of HasA by its transmembrane receptor HasR follows a conformational funnel mechanism. <i>European Biophysics Journal</i> , 2020, 49, 39-57.	2.2	4

#	ARTICLE	IF	CITATIONS
37	Heme-Delivering Proteins in Bacteria. Handbook of Porphyrin Science, 2013, , 191-222.	0.8	1
38	A tribute to Cécile Wandersman. Research in Microbiology, 2015, 166, 393-398.	2.1	0