Jan Tommassen

List of Publications by Year
in descending order

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244	13,949	14614	31759
papers	citations	66	101
		h-index	g-index

248	248	248	8600
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Role of a Highly Conserved Bacterial Protein in Outer Membrane Protein Assembly. Science, 2003, 299, 262-265.	6.0	651
2	Carboxy-terminal phenylalanine is essential for the correct assembly of a bacterial outer membrane protein. Journal of Molecular Biology, 1991, 218, 141-148.	2.0	490
3	Biogenesis of the Gram-Negative Bacterial Outer Membrane. Annual Review of Microbiology, 2007, 61, 191-214.	2.9	389
4	Structure of the translocator domain of a bacterial autotransporter. EMBO Journal, 2004, 23, 1257-1266.	3.5	333
5	Assembly Factor Omp85 Recognizes Its Outer Membrane Protein Substrates by a Species-Specific C-Terminal Motif. PLoS Biology, 2006, 4, e377.	2.6	280
6	The outer membrane component, YscC, of the Yop secretion machinery of Yersinia enterocolitica forms a ringâ€shaped multimeric complex. Molecular Microbiology, 1997, 26, 789-797.	1.2	232
7	Identification of an outer membrane protein required for the transport of lipopolysaccharide to the bacterial cell surface. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 9417-9422.	3.3	229
8	Formation of oligomeric rings by XcpQ and PilQ, which are involved in protein transport across the outer membrane ofPseudomonas aeruginosa. Molecular Microbiology, 1998, 27, 209-219.	1.2	223
9	Protein secretion in Pseudomonas aeruginosa: characterization of seven xcp genes and processing of secretory apparatus components by prepilin peptidase. Molecular Microbiology, 1992, 6, 1121-1131.	1.2	221
10	Biofilms as Promoters of Bacterial Antibiotic Resistance and Tolerance. Antibiotics, 2021, 10, 3.	1.5	206
11	Unearthing the genomes of plant-beneficial Pseudomonas model strains WCS358, WCS374 and WCS417. BMC Genomics, 2015, 16, 539.	1.2	184
12	Cellular solid-state nuclear magnetic resonance spectroscopy. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 4863-4868.	3.3	183
13	Solidâ€State NMR Spectroscopy on Cellular Preparations Enhanced by Dynamic Nuclear Polarization. Angewandte Chemie - International Edition, 2012, 51, 2998-3001.	7.2	163
14	Biogenesis of Î²-barrel membrane proteins in bacteria and eukaryotes: evolutionary conservation and divergence. Cellular and Molecular Life Sciences, 2009, 66, 2789-2804.	2.4	149
15	The C Terminus of SecA Is Involved in Both Lipid Binding and SecB Binding. Journal of Biological Chemistry, 1995, 270, 7902-7907.	1.6	145
16	A Novel Lipolytic Enzyme Located in the Outer Membrane of Pseudomonas aeruginosa. Journal of Bacteriology, 1999, 181, 6977-6986.	1.0	145
17	Periplasmic accumulation of truncated forms of outer-membrane PhoE protein of Escherichia coli K-12. Journal of Molecular Biology, 1986, 189, 449-455.	2.0	129
18	A Neisserial autotransporter NalP modulating the processing of other autotransporters. Molecular Microbiology, 2003, 50, 1017-1030.	1.2	127

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19	Biogenesis of the Gram-negative bacterial outer membrane. Current Opinion in Microbiology, 2004, 7, 610-616.	2.3	126
20	Pseudomonas Evades Immune Recognition of Flagellin in Both Mammals and Plants. PLoS Pathogens, 2011, 7, e1002206.	2.1	124
21	Optimal posttranslational translocation of the precursor of PhoE protein across Escherichia coli membrane vesicles requires both ATP and the protonmotive force. Biochimica Et Biophysica Acta - Biomembranes, 1987, 900, 63-72.	1.4	123
22	Omp85, an evolutionarily conserved bacterial protein involved in outer-membrane-protein assembly. Research in Microbiology, 2004, 155, 129-135.	1.0	119
23	An Outer Membrane Receptor of Neisseria meningitidis Involved in Zinc Acquisition with Vaccine Potential. PLoS Pathogens, 2010, 6, e1000969.	2.1	111
24	Protein secretion inPseudomonas aeruginosa. FEMS Microbiology Letters, 1992, 103, 73-90.	0.7	106
25	Signals in bacterial Î²-barrel proteins are functional in eukaryotic cells for targeting to and assembly in mitochondria. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 2531-2536.	3.3	105
26	Characterization of Pseudomonas aeruginosa Chitinase, a Gradually Secreted Protein. Journal of Bacteriology, 2001, 183, 7044-7052.	1.0	104
27	Role of the propeptide in folding and secretion of elastase of Pseudomonas aeruginosa. Molecular Microbiology, 1996, 19, 297-306.	1.2	101
28	Crystal Structure of Neisserial Surface Protein A (NspA), a Conserved Outer Membrane Protein with Vaccine Potential. Journal of Biological Chemistry, 2003, 278, 24825-24830.	1.6	101
29	Assembly of outer-membrane proteins in bacteria and mitochondria. Microbiology (United Kingdom), 2010, 156, 2587-2596.	0.7	97
30	Functioning of outer membrane protein assembly factor Omp85 requires a single POTRA domain. EMBO Reports, 2007, 8, 1149-1154.	2.0	94
31	Role of the lipB gene product in the folding of the secreted lipase of Pseudomonas glumae. Molecular Microbiology, 1993, 9, 591-599.	1.2	93
32	Identification of a Chitin-Binding Protein Secreted by Pseudomonas aeruginosa. Journal of Bacteriology, 2000, 182, 1257-1263.	1.0	93
33	Characterization of two genes, glpQ and ugpQ, encoding glycerophosphoryl diester phosphodiesterases of Escherichia coli. Molecular Genetics and Genomics, 1991, 226-226, 321-327.	2.4	92
34	Use of outer membrane protein PhoE as a carrier for the transport of a foreign antigenic determinant to the cell surface of Escherichia coli K-12. Gene, 1987, 59, 145-150.	1.0	91
35	Regulation of the pho regulon of Escherichia coli K-12. Journal of Molecular Biology, 1982, 157, 265-274.	2.0	90
36	An accessory gene, lipB, required for the production of active Pseudomonas glumae lipase. Molecular Microbiology, 1993, 9, 579-589.	1.2	90

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37	In Vitro Folding of Escherichia Coli Outer-Membrane Phospholipase A. FEBS Journal, 1995, 232, 214-219.	0.2	90
38	The Î²-Barrel Outer Membrane Protein Assembly Complex ofNeisseria meningitidis. Journal of Bacteriology, 2009, 191, 7074-7085.	1.0	90
39	Novel Topological Features of FhaC, the Outer Membrane Transporter Involved in the Secretion of the Bordetella pertussis Filamentous Hemagglutinin. Journal of Biological Chemistry, 2000, 275, 30202-30210.	1.6	88
40	Autotransporter secretion: varying on a theme. Research in Microbiology, 2013, 164, 562-582.	1.0	88
41	Additive and Synergistic Bactericidal Activity of Antibodies Directed against Minor Outer Membrane Proteins of Neisseria meningitidis. Infection and Immunity, 2007, 75, 5434-5442.	1.0	86
42	Protein secretion in Pseudomonas aeruginosa. FEMS Microbiology Reviews, 1992, 9, 73-90.	3.9	86
43	O-antigenic chains of lipopolysaccharide prevent binding of antibody molecules to an outer membrane pore protein in Enterobacteriaceae. Microbial Pathogenesis, 1986, 1, 43-49.	1.3	85
44	The Pseudomonas aeruginosa patatinâ€like protein PlpD is the archetype of a novel Type V secretion system. Environmental Microbiology, 2010, 12, 1498-1512.	1.8	84
45	The secretion apparatus ofPseudomonas aeruginosa: identification of a fifth pseudopilin, XcpX (GspK) Tj ETQq1 1 0.784314 rgBT /Ove	1.2	83
46	Structure and Electrophysiological Properties of the YscC Secretin from the Type III Secretion System of Yersinia enterocolitica. Journal of Bacteriology, 2004, 186, 4645-4654.	1.0	83
47	Virulence Factors of Pseudomonas aeruginosa Induce Both the Unfolded Protein and Integrated Stress Responses in Airway Epithelial Cells. PLoS Pathogens, 2015, 11, e1004946.	2.1	83
48	Monoclonal antibodies directed against the cell-surface-exposed part of PhoE pore protein of the Escherichia coli K-12 outer membrane. FEBS Journal, 1985, 147, 401-407.	0.2	81
49	Role of the carboxy-terminal phenylalanine in the biogenesis of outer membrane protein PhoE of Escherichia coliK-12. Journal of Molecular Biology, 1997, 269, 473-478.	2.0	81
50	Affinity of the periplasmic chaperone Skp ofEscherichia colifor phospholipids, lipopolysaccharides and non-native outer membrane proteins. FEBS Journal, 1999, 259, 96-103.	0.2	80
51	Role of the Pilot Protein YscW in the Biogenesis of the YscC Secretin in Yersinia enterocolitica. Journal of Bacteriology, 2004, 186, 5366-5375.	1.0	80
52	Expression of the pspA gene stimulates efficient protein export in Escherichia coli. Molecular Microbiology, 1993, 7, 947-956.	1.2	79
53	Voltage sensing in the PhoE and OmpF outer membrane porins of Escherichia coli: role of charged residues. Journal of Molecular Biology, 1997, 269, 468-472.	2.0	79
54	Molecular characterization of LbpB, the second lactoferrin-binding protein of Neisseria meningitidis. Molecular Microbiology, 1998, 27, 599-610.	1.2	79

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55	Outer-membrane PhoE protein of Escherichia coli K-12 as an exposure vector: possibilities and limitations. Gene, 1990, 88, 37-45.	1.0	78
56	Signal transduction in bacteria: phospho-neural network(s) inEscherichia coli?. FEMS Microbiology Reviews, 1995, 16, 309-321.	3.9	78
57	Lipopolysaccharide Transport to the Bacterial Outer Membrane in Spheroplasts. Journal of Biological Chemistry, 2005, 280, 4504-4509.	1.6	78
58	Xcpâ€mediated protein secretion in Pseudomonas aeruginosa: identification of two additional genes and evidence for regulation of xcp gene expression. Molecular Microbiology, 1993, 10, 431-443.	1.2	77
59	The C-terminal domain of the Pseudomonas secretin XcpQ forms oligomeric rings with pore activity. Journal of Molecular Biology, 1999, 294, 1169-1179.	2.0	77
60	PhoE protein pore of the outer membrane of Escherichia coli K12 is a particularly efficient channel for organic and inorganic phosphate. Biochimica Et Biophysica Acta - Biomembranes, 1982, 690, 282-289.	1.4	76
61	Molecular cloning of pldA, the structural gene for outer membrane phospholipase of E. coli K12. Molecular Genetics and Genomics, 1983, 190, 150-155.	2.4	75
62	Hexadecane and Tween 80 Stimulate Lipase Production in Burkholderia glumae by Different Mechanisms. Applied and Environmental Microbiology, 2007, 73, 3838-3844.	1.4	75
63	Transport of lipopolysaccharide to the Gram-negative bacterial cell surface. FEMS Microbiology Reviews, 2015, 39, 985-1002.	3.9	75
64	Expression of the Lipopolysaccharide-Modifying Enzymes PagP and PagL Modulates the Endotoxic Activity of Bordetella pertussis. Infection and Immunity, 2006, 74, 5574-5585.	1.0	74
65	Conservation of xcp genes, involved in the two-step protein secretion process, in different Pseudomonas species and other gram-negative bacteria. Molecular Genetics and Genomics, 1991, 229, 278-284.	2.4	73
66	Polar Localization of the Autotransporter Family of Large Bacterial Virulence Proteins. Journal of Bacteriology, 2006, 188, 4841-4850.	1.0	73
67	Three Homologues, Including Two Membrane-bound Proteins, of the Disulfide Oxidoreductase DsbA in Neisseria meningitidis. Journal of Biological Chemistry, 2004, 279, 27078-27087.	1.6	72
68	Dimerization Regulates the Enzymatic Activity of Escherichia coli Outer Membrane Phospholipase A. Journal of Biological Chemistry, 1997, 272, 3179-3184.	1.6	70
69	Lipase-Specific Foldases. ChemBioChem, 2004, 5, 152-161.	1.3	68
70	Crystal structure and catalytic mechanism of the LPS 3-O-deacylase PagL from Pseudomonas aeruginosa. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 7071-7076.	3.3	68
71	Zinc Piracy as a Mechanism of Neisseria meningitidis for Evasion of Nutritional Immunity. PLoS Pathogens, 2013, 9, e1003733.	2.1	68
72	Identification and characterization of the exbB, exbD and tonB genes of Pseudomonas putida WCS358: their involvement in ferric-pseudobactin transport. Molecular Microbiology, 1993, 7, 117-130.	1.2	67

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73	Secretion of Elastinolytic Enzymes and Their Propeptides by Pseudomonas aeruginosa. Journal of Bacteriology, 1998, 180, 3467-3469.	1.0	67
74	Autoamplification of a Two-Component Regulatory System Results in â€œLearningâ€•Behavior. Journal of Bacteriology, 2001, 183, 4914-4917.	1.0	64
75	Interactions between Phage-Shock Proteins in Escherichia coli. Journal of Bacteriology, 2003, 185, 1174-1180.	1.0	64
76	Role of Pseudomonas putida tol-oprL Gene Products in Uptake of Solutes through the Cytoplasmic Membrane. Journal of Bacteriology, 2003, 185, 4707-4716.	1.0	63
77	Role of the Periplasmic Chaperones Skp, SurA, and DegQ in Outer Membrane Protein Biogenesis in Neisseria meningitidis. Journal of Bacteriology, 2011, 193, 1612-1621.	1.0	63
78	Protein secretion and secreted proteins in pathogenicNeisseriaceae. FEMS Microbiology Reviews, 2006, 30, 292-319.	3.9	62
79	Outer membrane PhoE protein of Escherichia coli as a carrier for foreign antigenic determinants: immunogenicity of epitopes of foot-and-mouth disease virus. Vaccine, 1990, 8, 85-91.	1.7	61
80	Molecular characterization of the structural gene for the lactoferrin receptor of the meningococcal strain H44/76.. Microbial Pathogenesis, 1994, 17, 395-408.	1.3	61
81	A comparative study on the phoE genes of three enterobacterial species. Implications for structure-function relationships in a pore-forming protein of the outer membrane. FEBS Journal, 1987, 164, 469-475.	0.2	60
82	Protein secretion mechanisms in Gram-negative bacteria. International Journal of Medical Microbiology, 2000, 290, 325-331.	1.5	59
83	Export of the Pseudopilin XcpT of the Pseudomonas aeruginosa Type II Secretion System via the Signal Recognition Particle-Sec Pathway. Journal of Bacteriology, 2007, 189, 2069-2076.	1.0	59
84	Involvement of three meningococcal surfaceâ€exposed proteins, the heparinâ€binding protein <scp>NhbA</scp>, the Î±â€peptide of <scp>IgA</scp> protease and the autotransporter protease <scp>NalP</scp>, in initiation of biofilm formation. Molecular Microbiology, 2013, 87, 254-268.	1.2	59
85	Biogenesis and Membrane Topology of Outer Membrane Proteins in Escherichia Coli. , 1988, , 351-373.		58
86	Dissemination of Lipid A Deacylases (PagL) among Gram-negative Bacteria. Journal of Biological Chemistry, 2005, 280, 8248-8259.	1.6	57
87	Viability of a Capsule- and Lipopolysaccharide-Deficient Mutant of Neisseria meningitidis. Infection and Immunity, 2005, 73, 6194-6197.	1.0	57
88	Phase-Variable Expression of an Operon Encoding Extracellular Alkaline Protease, a Serine Protease Homolog, and Lipase in Pseudomonas brassicacearum. Journal of Bacteriology, 2001, 183, 2117-2120.	1.0	56
89	Biochemical and biophysical characterization of in vitro folded outer membrane porin PorA of Neisseria meningitidis. Biochimica Et Biophysica Acta - Biomembranes, 2000, 1464, 284-298.	1.4	55
90	Topology of PhoE porin: the 'eyelet' region. Molecular Microbiology, 1993, 7, 131-140.	1.2	54

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91	Solid-State NMR on a Large Multidomain Integral Membrane Protein: The Outer Membrane Protein Assembly Factor BamA. Journal of the American Chemical Society, 2011, 133, 4175-4177.	6.6	53
92	Functional Activities and Epitope Specificity of Human and Murine Antibodies against the Class 4 Outer Membrane Protein (Rmp) of Neisseria meningitidis. Infection and Immunity, 1999, 67, 1267-1276.	1.0	53
93	PspE (phage-shock protein E) ofEscherichia coliis a rhodanese. FEBS Letters, 2002, 518, 173-176.	1.3	52
94	The role of the carboxy-terminal membrane-spanning fragment in the biogenesis of Escherichia coli K12 outer membrane protein PhoE. Molecular Genetics and Genomics, 1989, 216, 144-148.	2.4	51
95	NalP-Mediated Proteolytic Release of Lactoferrin-Binding Protein B from the Meningococcal Cell Surface. Infection and Immunity, 2010, 78, 3083-3089.	1.0	51
96	Maturation of Pseudomonas aeruginosa Elastase. Journal of Biological Chemistry, 2001, 276, 26030-26035.	1.6	50
97	Function of Neisserial Outer Membrane Phospholipase A in Autolysis and Assessment of Its Vaccine Potential. Infection and Immunity, 2005, 73, 2222-2231.	1.0	49
98	Structure of a membrane-based steric chaperone in complex with its lipase substrate. Nature Structural and Molecular Biology, 2006, 13, 374-375.	3.6	49
99	Demonstration of a bacteriophage receptor site on the Escherichia coli K12 outer-membrane protein OmpC by the use of a protease. FEBS Journal, 1985, 150, 161-169.	0.2	47
100	The role of the positively charged N-terminus of the signal sequence of E. coli outer membrane protein PhoE in export. Biochimica Et Biophysica Acta - Biomembranes, 1989, 979, 69-76.	1.4	47
101	Biogenesis of outer membrane protein PhoE of Escherichia coli. Journal of Molecular Biology, 1992, 224, 369-379.	2.0	47
102	Antibiotic Trapping by Plasmid-Encoded CMY-2 Î²-Lactamase Combined with Reduced Outer Membrane Permeability as a Mechanism of Carbapenem Resistance in Escherichia coli. Antimicrobial Agents and Chemotherapy, 2013, 57, 3941-3949.	1.4	47
103	The assembly pathway of outer membrane protein PhoE of Escherichia coli. FEBS Journal, 2000, 267, 3792-3800.	0.2	46
104	MsbA Is Not Required for Phospholipid Transport in Neisseria meningitidis. Journal of Biological Chemistry, 2005, 280, 35961-35966.	1.6	46
105	Identification of proteins of Neisseria meningitidis induced under ironâ€limiting conditions using the isobaric tandem mass tag (TMT) labeling approach. Proteomics, 2009, 9, 1771-1781.	1.3	46
106	In Vitro Insertion and Assembly of Outer Membrane Protein PhoE of Escherichia coli K-12 into the Outer Membrane. Journal of Biological Chemistry, 1996, 271, 12885-12890.	1.6	45
107	Characterization of anEscherichia coli rotAmutant, affected in periplasmic peptidyl-prolylcis/transisomerase. Molecular Microbiology, 1995, 18, 313-320.	1.2	44
108	The presence of a helix breaker in the hydrophobic core of signal sequences of secretory proteins prevents recognition by the signal-recognition particle in Escherichia coli. FEBS Journal, 2002, 269, 5564-5571.	0.2	44

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109	Identification of a novel Gsp-related pathway required for secretion of the manganese-oxidizing factor of Pseudomonas putida strain GB-1. Molecular Microbiology, 2003, 47, 993-1006.	1.2	44
110	Vaccine potential of the Neisseria meningitidis lactoferrin-binding proteins LbpA and LbpB. Vaccine, 2006, 24, 3545-3557.	1.7	43
111	Solid-State NMR Studies of Full-Length BamA in Lipid Bilayers Suggest Limited Overall POTRA Mobility. Journal of Molecular Biology, 2014, 426, 2009-2021.	2.0	43
112	Fallacies of E. coli cell fractionations and consequences thereof for protein export models. Microbial Pathogenesis, 1986, 1, 225-228.	1.3	42
113	Role of the calcium ion and the disulfide bond in the Burkholderia glumae lipase. Journal of Molecular Catalysis B: Enzymatic, 2003, 22, 329-338.	1.8	42
114	The Mitochondrial Porin, VDAC, Has Retained the Ability to Be Assembled in the Bacterial Outer Membrane. Molecular Biology and Evolution, 2010, 27, 887-895.	3.5	41
115	Interaction domains in the Pseudomonas aeruginosa type II secretory apparatus component XcpS (GspF). Microbiology (United Kingdom), 2007, 153, 1582-1592.	0.7	40
116	Acquisition of Carbapenem Resistance by Plasmid-Encoded-AmpC-Expressing Escherichia coli. Antimicrobial Agents and Chemotherapy, 2017, 61, .	1.4	39
117	Role of the Lipase-specific Foldase of Burkholderia glumae as a Steric Chaperone. Journal of Biological Chemistry, 2000, 275, 26885-26891.	1.6	39
118	The LptD Chaperone LptE Is Not Directly Involved in Lipopolysaccharide Transport in Neisseria meningitidis. Journal of Biological Chemistry, 2011, 286, 28688-28696.	1.6	38
119	Spread of Carbapenem Resistance by Transposition and Conjugation Among Pseudomonas aeruginosa. Frontiers in Microbiology, 2018, 9, 2057.	1.5	38
120	SecB-binding does not maintain the translocation-competent state of prePhoE. Molecular Microbiology, 1992, 6, 599-604.	1.2	37
121	Topology of the PhoR protein of Escherichia coli and functional analysis of internal deletion mutants. Molecular Microbiology, 1993, 8, 269-275.	1.2	37
122	Role of the constriction loop in the gating of outer membrane porin PhoE ofEscherichia coli. FEBS Letters, 1997, 415, 317-320.	1.3	37
123	Domain exchange at the 3â€™ end of the gene encoding the fratricide meningococcal two-partner secretion protein A. BMC Genomics, 2013, 14, 622.	1.2	37
124	Cloning of ompF, the structural gene for an outer membrane pore protein of E. coli K12: Physical localization and homology with the phoE gene. Molecular Genetics and Genomics, 1982, 185, 105-110.	2.4	36
125	Gene encoding a hybrid OmpF-PhoE pore protein in the outer membrane of Escherichia coli K12. Molecular Genetics and Genomics, 1984, 197, 503-508.	2.4	35
126	A novel phase-variable autotransporter serine protease, AusI, of Neisseria meningitidis. Microbes and Infection, 2006, 8, 2088-2097.	1.0	35

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127	Lipopolysaccharide Analogs Improve Efficacy of Acellular Pertussis Vaccine and Reduce Type I Hypersensitivity in Mice. Vaccine Journal, 2007, 14, 821-829.	3.2	35
128	Chaperoning Anfinsen: the steric foldases. Molecular Microbiology, 2007, 64, 917-922.	1.2	35
129	Hydrophobic Surface Patches on LolA of Pseudomonas aeruginosa Are Essential for Lipoprotein Binding. Journal of Molecular Biology, 2010, 401, 921-930.	2.0	34
130	The meningococcal autotransporter <scp>AutA</scp> is implicated in autoaggregation and biofilm formation. Environmental Microbiology, 2015, 17, 1321-1337.	1.8	34
131	Biological Functions of the Secretome of Neisseria meningitidis. Frontiers in Cellular and Infection Microbiology, 2017, 7, 256.	1.8	34
132	Corneal Virulence ofPseudomonas aeruginosaElastase B and Alkaline Protease Produced byPseudomonas putida. Current Eye Research, 2007, 32, 373-386.	0.7	33
133	Twoâ€dimensional structure of the Opc invasin from Neisseria meningitidis. Molecular Microbiology, 1997, 23, 281-293.	1.2	32
134	Lipidation of the autotransporter NalP of Neisseria meningitidis is required for its function in the release of cell-surface-exposed proteins. Microbiology (United Kingdom), 2013, 159, 286-295.	0.7	32
135	Bacteriocin Release Protein Triggers Dimerization of Outer Membrane Phospholipase A In Vivo. Journal of Bacteriology, 1999, 181, 3281-3283.	1.0	32
136	Exchange of Xcp (Gsp) Secretion Machineries between Pseudomonas aeruginosa and Pseudomonas alcaligenes : Species Specificity Unrelated to Substrate Recognition. Journal of Bacteriology, 2001, 183, 959-967.	1.0	30
137	Expression of foreign LpxA acyltransferases in Neisseria meningitidis results in modified lipid A with reduced toxicity and retained adjuvant activity. Cellular Microbiology, 2002, 4, 599-611.	1.1	30
138	Teasing apart structural determinants of 'toxicity' and 'adjuvanticity': implications for meningococcal vaccine development. Journal of Endotoxin Research, 2004, 10, 113-119.	2.5	30
139	Identification of phospholipids as new components that assist in thein vitrotrimerization of a bacterial pore protein. FEBS Journal, 2001, 268, 865-875.	0.2	29
140	Llama Single-Chain Antibody That Blocks Lipopolysaccharide Binding and Signaling: Prospects for Therapeutic Applications. Vaccine Journal, 2006, 13, 1079-1086.	3.2	29
141	The type <scp>II</scp> secretion system (<scp>X</scp>cp) of <scp>P</scp>seudomonas putida is active and involved in the secretion of phosphatases. Environmental Microbiology, 2013, 15, 2658-2671.	1.8	29
142	Molecular analysis of the promoter region of the Escherichia coli K-12 phoE gene. Journal of Molecular Biology, 1987, 198, 633-641.	2.0	28
143	Molecular basis of porin selectivity: membrane experiments with OmpC-PhoE and OmpF-PhoE hybrid proteins of Escherichia coli K-12. Biochimica Et Biophysica Acta - Biomembranes, 1989, 981, 8-14.	1.4	28
144	Escherichia coli Outer Membrane Phospholipase A:â€‰ Role of Two Serines in Enzymatic Activity. Biochemistry, 1996, 35, 7787-7793.	1.2	28

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145	Mitochondria can recognize and assemble fragments of a Î²-barrel structure. Molecular Biology of the Cell, 2011, 22, 1638-1647.	0.9	28
146	New Insights into the Assembly of Bacterial Secretins. Journal of Biological Chemistry, 2013, 288, 1214-1225.	1.6	28
147	Meningococcal Biofilm Formation: Let's Stick Together. Trends in Microbiology, 2017, 25, 113-124.	3.5	28
148	Activation of Pseudomonas aeruginosa elastase in Pseudomonas putida by triggering dissociation of the propeptideâ€“enzyme complex. Microbiology (United Kingdom), 2000, 146, 2565-2572.	0.7	28
149	Analysis of structure-function relationships in Escherichia coli K12 outer membrane porins with the aid of ompC-phoE and phoE-ompC hybrid genes. Molecular Genetics and Genomics, 1987, 209, 585-591.	2.4	27
150	Expression ofEscherichia coliPhoE protein in avirulentSalmonella typhimurium aroAandgalEstrains. FEMS Microbiology Letters, 1988, 50, 295-299.	0.7	27
151	Role of the cell surface-exposed regions of outer membrane protein PhoE of Escherichia coli K12 in the biogenesis of the protein. FEBS Journal, 1989, 185, 365-370.	0.2	27
152	Detergent-Induced Folding of the Outer-Membrane Protein PhoE, a Pore Protein Induced by Phosphate Limitation. FEBS Journal, 1994, 226, 783-787.	0.2	27
153	Two-Partner Secretion Systems of Neisseria meningitidis Associated with Invasive Clonal Complexes. Infection and Immunity, 2008, 76, 4649-4658.	1.0	27
154	Candidate verification of iron-regulated Neisseria meningitidis proteins using isotopic versions of tandem mass tags (TMT) and single reaction monitoring. Journal of Proteomics, 2009, 73, 231-239.	1.2	27
155	Involvement of Neisseria meningitidis Lipoprotein GNA2091 in the Assembly of a Subset of Outer Membrane Proteins. Journal of Biological Chemistry, 2014, 289, 15602-15610.	1.6	27
156	Effects of linker insertions on the biogenesis and functioning of the Escherichia coli outer membrane pore protein PhoE. Molecular Genetics and Genomics, 1987, 208, 485-489.	2.4	26
157	Characterization of the Salmonella typhimurium phoE gene and development of Salmonella-specific DNA probes. Gene, 1992, 122, 45-52.	1.0	26
158	Association of iron-regulated outer membrane proteins ofNeisseria meningitidiswith the RmpM (class) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.7	26
159	Activation by Gene Amplification of pitB , Encoding a Third Phosphate Transporter of Escherichia coli K-12. Journal of Bacteriology, 2001, 183, 4659-4663.	1.0	26
160	Conformational analysis of opacity proteins from Neisseria meningitidis. FEBS Journal, 2002, 269, 5215-5223.	0.2	25
161	Identification of a Novel Lipopolysaccharide Core Biosynthesis Gene Cluster in Bordetella pertussis , and Influence of Core Structure and Lipid A Glucosamine Substitution on Endotoxic Activity. Infection and Immunity, 2009, 77, 2602-2611.	1.0	25
162	Coincorporation of LpxL1 and PagL Mutant Lipopolysaccharides into Liposomes withNeisseria meningitidis Opacity Protein: Influence on Endotoxic and Adjuvant Activity. Vaccine Journal, 2010, 17, 487-495.	3.2	25

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