

Arnold JM Driessen

List of Publications by Year in descending order

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244
papers

17,225
citations

14655

66
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20358

116
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250
all docs

250
docs citations

250
times ranked

13324
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome sequencing and analysis of the versatile cell factory <i>Aspergillus niger</i> CBS 513.88. <i>Nature Biotechnology</i> , 2007, 25, 221-231.	17.5	1,047
2	Minimum Information about a Biosynthetic Gene cluster. <i>Nature Chemical Biology</i> , 2015, 11, 625-631.	8.0	715
3	The purified <i>E. coli</i> integral membrane protein SecYE is sufficient for reconstitution of SecA-dependent precursor protein translocation. <i>Cell</i> , 1990, 62, 649-657.	28.9	539
4	H^+ and ATP function at different steps of the catalytic cycle of preprotein translocase. <i>Cell</i> , 1991, 64, 927-939.	28.9	487
5	Genome sequencing and analysis of the filamentous fungus <i>Penicillium chrysogenum</i> . <i>Nature Biotechnology</i> , 2008, 26, 1161-1168.	17.5	427
6	Optical control of antibacterial activity. <i>Nature Chemistry</i> , 2013, 5, 924-928.	13.6	298
7	A presequence- and voltage-sensitive channel of the mitochondrial preprotein translocase formed by Tim23. <i>Nature Structural Biology</i> , 2001, 8, 1074-1082.	9.7	287
8	Multidrug resistance mediated by a bacterial homolog of the human multidrug transporter MDR1.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 10668-10672.	7.1	282
9	Distribution and Physiology of ABC-Type Transporters Contributing to Multidrug Resistance in Bacteria. <i>Microbiology and Molecular Biology Reviews</i> , 2007, 71, 463-476.	6.6	270
10	CRISPR/Cas9 Based Genome Editing of <i>Penicillium chrysogenum</i> . <i>ACS Synthetic Biology</i> , 2016, 5, 754-764.	3.8	258
11	Photocontrol of Antibacterial Activity: Shifting from UV to Red Light Activation. <i>Journal of the American Chemical Society</i> , 2017, 139, 17979-17986.	13.7	224
12	<i>Escherichia coli</i> translocase: the unravelling of a molecular machine. <i>Molecular Microbiology</i> , 2000, 37, 226-238.	2.5	222
13	The essence of being extremophilic: the role of the unique archaeal membrane lipids. <i>Extremophiles</i> , 1998, 2, 163-170.	2.3	199
14	Bioenergetics and Solute Transport in Lactococci. <i>CRC Critical Reviews in Microbiology</i> , 1989, 16, 419-476.	4.8	188
15	F1FO ATP synthase subunit c is a substrate of the novel YidC pathway for membrane protein biogenesis. <i>Journal of Cell Biology</i> , 2004, 165, 213-222.	5.2	186
16	The structural basis of protein targeting and translocation in bacteria. <i>Nature Structural Biology</i> , 2001, 8, 492-498.	9.7	184
17	The molecular chaperone SecB is released from the carboxy-terminus of SecA during initiation of precursor protein translocation. <i>EMBO Journal</i> , 1997, 16, 6105-6113.	7.8	181
18	The catalytic cycle of the <i>Escherichia coli</i> SecA ATPase comprises two distinct preprotein translocation events. <i>EMBO Journal</i> , 1997, 16, 7297-7304.	7.8	181

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19	In vitro pore-forming activity of the lantibiotic nisin. Role of protonmotive force and lipid composition. <i>FEBS Journal</i> , 1993, 212, 417-422.	0.2	161
20	Enantioselective Artificial Metalloenzymes by Creation of a Novel Active Site at the Protein Dimer Interface. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 7472-7475.	13.8	154
21	NisT, the Transporter of the Lantibiotic Nisin, Can Transport Fully Modified, Dehydrated, and Unmodified Prenisin and Fusions of the Leader Peptide with Non-lantibiotic Peptides. <i>Journal of Biological Chemistry</i> , 2004, 279, 22176-22182.	3.4	152
22	SecDFyajC forms a heterotetrameric complex with YidC. <i>Molecular Microbiology</i> , 2002, 44, 1397-1405.	2.5	148
23	Proteomic analysis of secreted membrane vesicles of archaeal <i>Sulfolobus</i> species reveals the presence of endosome sorting complex components. <i>Extremophiles</i> , 2009, 13, 67-79.	2.3	148
24	Crystal Structures of the ATPase Subunit of the Glucose ABC Transporter from <i>Sulfolobus solfataricus</i> : Nucleotide-free and Nucleotide-bound Conformations. <i>Journal of Molecular Biology</i> , 2003, 330, 343-358.	4.2	145
25	Identification of Diverse Archaeal Proteins with Class III Signal Peptides Cleaved by Distinct Archaeal Prepilin Peptidases. <i>Journal of Bacteriology</i> , 2007, 189, 772-778.	2.2	139
26	Dissection and Modulation of the Four Distinct Activities of Nisin by Mutagenesis of Rings A and B and by C-Terminal Truncation. <i>Applied and Environmental Microbiology</i> , 2007, 73, 5809-5816.	3.1	139
27	Substrate Specificity of the SecB Chaperone. <i>Journal of Biological Chemistry</i> , 1999, 274, 34219-34225.	3.4	137
28	UV-Inducible cellular aggregation of the hyperthermophilic archaeon <i>Sulfolobus solfataricus</i> is mediated by pili formation. <i>Molecular Microbiology</i> , 2008, 70, 938-952.	2.5	137
29	Biosynthesis of archaeal membrane ether lipids. <i>Frontiers in Microbiology</i> , 2014, 5, 641.	3.5	137
30	A conserved function of YidC in the biogenesis of respiratory chain complexes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 5801-5806.	7.1	133
31	Direct Observation of Chaperone-Induced Changes in a Protein Folding Pathway. <i>Science</i> , 2007, 318, 1458-1461.	12.6	133
32	Archaeal Homolog of Bacterial Type IV Prepilin Signal Peptidases with Broad Substrate Specificity. <i>Journal of Bacteriology</i> , 2003, 185, 3918-3925.	2.2	129
33	The uncoupling efficiency and affinity of flavonoids for vesicles. <i>Biochemical Pharmacology</i> , 2000, 60, 1593-1600.	4.4	123
34	Sugar transport in <i>Sulfolobus solfataricus</i> is mediated by two families of binding protein-dependent ABC transporters. <i>Molecular Microbiology</i> , 2001, 39, 1494-1503.	2.5	121
35	Bioenergetics and cytoplasmic membrane stability of the extremely acidophilic, thermophilic archaeon <i>Picrophilus oshimae</i> . <i>Extremophiles</i> , 1998, 2, 67-74.	2.3	120
36	Preprotein transfer to the <i>Escherichia coli</i> translocase requires the cooperative binding of SecB and the signal sequence to SecA. <i>Molecular Microbiology</i> , 1998, 29, 1179-1190.	2.5	119

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37	Structure of the transcriptional regulator LmrR and its mechanism of multidrug recognition. <i>EMBO Journal</i> , 2009, 28, 156-166.	7.8	118
38	Reshaping of the conformational search of a protein by the chaperone trigger factor. <i>Nature</i> , 2013, 500, 98-101.	27.8	118
39	The Lactococcal LmrP Gene Encodes a Proton Motive Force- dependent Drug Transporter. <i>Journal of Biological Chemistry</i> , 1995, 270, 26092-26098.	3.4	116
40	Production of Recombinant and Tagged Proteins in the Hyperthermophilic Archaeon <i>Sulfolobus solfataricus</i> . <i>Applied and Environmental Microbiology</i> , 2006, 72, 102-111.	3.1	116
41	Non-bilayer Lipids Stimulate the Activity of the Reconstituted Bacterial Protein Translocase. <i>Journal of Biological Chemistry</i> , 2000, 275, 2472-2478.	3.4	114
42	Supramolecular Assembly of Artificial Metalloenzymes Based on the Dimeric Protein LmrR as Promiscuous Scaffold. <i>Journal of the American Chemical Society</i> , 2015, 137, 9796-9799.	13.7	114
43	UV-inducible DNA exchange in hyperthermophilic archaea mediated by type IV pili. <i>Molecular Microbiology</i> , 2011, 82, 807-817.	2.5	113
44	Isoprenoid biosynthesis in Archaea – Biochemical and evolutionary implications. <i>Research in Microbiology</i> , 2011, 162, 39-52.	2.1	109
45	Translocation of proteins across the cell envelope of Gram-positive bacteria. <i>FEMS Microbiology Reviews</i> , 2001, 25, 437-454.	8.6	106
46	Structural Organization of Essential Iron-Sulfur Clusters in the Evolutionarily Highly Conserved ATP-binding Cassette Protein ABCE1. <i>Journal of Biological Chemistry</i> , 2007, 282, 14598-14607.	3.4	99
47	The role of transport processes in survival of lactic acid bacteria. Energy transduction and multidrug resistance. <i>Antonie Van Leeuwenhoek</i> , 1997, 71, 117-128.	1.7	98
48	Energetics and Mechanism of Drug Transport Mediated by the Lactococcal Multidrug Transporter LmrP. <i>Journal of Biological Chemistry</i> , 1996, 271, 24123-24128.	3.4	91
49	PrlA4 prevents the rejection of signal sequence defective preproteins by stabilizing the SecA-SecY interaction during the initiation of translocation. <i>EMBO Journal</i> , 1998, 17, 3631-3639.	7.8	91
50	LmrCD is a major multidrug resistance transporter in <i>Lactococcus lactis</i> . <i>Molecular Microbiology</i> , 2006, 61, 771-781.	2.5	91
51	Nark is a nitrite-extrusion system involved in anaerobic nitrate respiration by <i>Escherichia coli</i> . <i>Molecular Microbiology</i> , 1994, 12, 579-586.	2.5	87
52	The Lateral Gate of SecYEG Opens during Protein Translocation. <i>Journal of Biological Chemistry</i> , 2009, 284, 15805-15814.	3.4	87
53	Ciprofloxacin – Photoswitch Conjugates: A Facile Strategy for Photopharmacology. <i>Bioconjugate Chemistry</i> , 2015, 26, 2592-2597.	3.6	86
54	SecA Is Not Required for Signal Recognition Particle-mediated Targeting and Initial Membrane Insertion of a Nascent Inner Membrane Protein. <i>Journal of Biological Chemistry</i> , 1999, 274, 29883-29888.	3.4	85

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55	Formation of the Productive ATP-Mg ²⁺ -bound Dimer of GlcV, an ABC-ATPase from <i>Sulfolobus solfataricus</i> . <i>Journal of Molecular Biology</i> , 2003, 334, 255-267.	4.2	84
56	Appendage-Mediated Surface Adherence of <i>Sulfolobus solfataricus</i> . <i>Journal of Bacteriology</i> , 2010, 192, 104-110.	2.2	84
57	How hyperthermophiles adapt to change their lives: DNA exchange in extreme conditions. <i>Extremophiles</i> , 2013, 17, 545-563.	2.3	84
58	The <i>Escherichia coli</i> multidrug transporter MdfA catalyzes both electrogenic and electroneutral transport reactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 1667-1672.	7.1	80
59	Characterization of a <i>Bacillus subtilis</i> SecA mutant protein deficient in translocation ATPase and release from the membrane. <i>Molecular Microbiology</i> , 1993, 8, 31-42.	2.5	77
60	Insights into ABC Transport in Archaea. <i>Journal of Bioenergetics and Biomembranes</i> , 2004, 36, 5-15.	2.3	76
61	Covalently Dimerized SecA Is Functional in Protein Translocation. <i>Journal of Biological Chemistry</i> , 2005, 280, 35255-35260.	3.4	75
62	Subunit a of Cytochrome <i>o</i> Oxidase Requires Both YidC and SecYEG for Membrane Insertion. <i>Journal of Biological Chemistry</i> , 2006, 281, 12248-12252.	3.4	75
63	Expanding and understanding the genetic toolbox of the hyperthermophilic genus <i>Sulfolobus</i> . <i>Biochemical Society Transactions</i> , 2009, 37, 97-101.	3.4	75
64	Production of Dehydroamino Acid-Containing Peptides by <i>Lactococcus lactis</i> . <i>Applied and Environmental Microbiology</i> , 2007, 73, 1792-1796.	3.1	74
65	Flagellar Motility and Structure in the Hyperthermoacidophilic Archaeon <i>Sulfolobus solfataricus</i> . <i>Journal of Bacteriology</i> , 2007, 189, 4305-4309.	2.2	73
66	A Branched Biosynthetic Pathway Is Involved in Production of Roquefortine and Related Compounds in <i>Penicillium chrysogenum</i> . <i>PLoS ONE</i> , 2013, 8, e65328.	2.5	73
67	Orthogonal Control of Antibacterial Activity with Light. <i>ACS Chemical Biology</i> , 2014, 9, 1969-1974.	3.4	73
68	Regulation of archaeella expression by the FHA and von Willebrand domain-containing proteins ArnA and ArnB in <i>Sulfolobus acidocaldarius</i> . <i>Molecular Microbiology</i> , 2012, 86, 24-36.	2.5	72
69	SecB, a molecular chaperone with two faces. <i>Trends in Microbiology</i> , 2001, 9, 193-196.	7.7	64
70	Probing the SecYEG translocation pore size with preproteins conjugated with sizable rigid spherical molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 7775-7780.	7.1	64
71	Identification of a system required for the functional surface localization of sugar binding proteins with class III signal peptides in <i>Sulfolobus solfataricus</i> . <i>Molecular Microbiology</i> , 2007, 64, 795-806.	2.5	63
72	Quaternary Structure of SecA in Solution and Bound to SecYEG Probed at the Single Molecule Level. <i>Structure</i> , 2011, 19, 430-439.	3.3	63

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73	SecBâ€”A chaperone dedicated to protein translocation. <i>Molecular BioSystems</i> , 2010, 6, 620-627.	2.9	62
74	Identification of a Polyketide Synthase Involved in Sorbicillin Biosynthesis by <i>Penicillium chrysogenum</i> . <i>Applied and Environmental Microbiology</i> , 2016, 82, 3971-3978.	3.1	62
75	Diversity of transport mechanisms: common structural principles. <i>Trends in Biochemical Sciences</i> , 2000, 25, 397-401.	7.5	61
76	Protein secretion in the Archaea: multiple paths towards a unique cell surface. <i>Nature Reviews Microbiology</i> , 2006, 4, 537-547.	28.6	61
77	Cell Surface Structures of Archaea. <i>Journal of Bacteriology</i> , 2008, 190, 6039-6047.	2.2	61
78	LmrR Is a Transcriptional Repressor of Expression of the Multidrug ABC Transporter LmrCD in <i>Lactococcus lactis</i> . <i>Journal of Bacteriology</i> , 2008, 190, 759-763.	2.2	61
79	SecA, a remarkable nanomachine. <i>Cellular and Molecular Life Sciences</i> , 2011, 68, 2053-2066.	5.4	61
80	Bacterial protein translocation: kinetic and thermodynamic role of ATP and the protonmotive force. <i>Trends in Biochemical Sciences</i> , 1992, 17, 219-223.	7.5	60
81	Kinetic Analysis of the Translocation of Fluorescent Precursor Proteins into <i>Escherichia coli</i> Membrane Vesicles. <i>Journal of Biological Chemistry</i> , 2002, 277, 46059-46065.	3.4	60
82	A single copy of SecYEG is sufficient for preprotein translocation. <i>EMBO Journal</i> , 2011, 30, 4387-4397.	7.8	60
83	Growing Membranes <i>In Vitro</i> by Continuous Phospholipid Biosynthesis from Free Fatty Acids. <i>ACS Synthetic Biology</i> , 2018, 7, 153-165.	3.8	60
84	Conditions for gene disruption by homologous recombination of exogenous DNA into the <i>Sulfolobus solfataricus</i> genome. <i>Archaea</i> , 2008, 2, 145-149.	2.3	59
85	Compartmentalization and transport in beta-lactam antibiotic biosynthesis by filamentous fungi. <i>Antonie Van Leeuwenhoek</i> , 1999, 75, 41-78.	1.7	58
86	The polymerization mechanism of the bacterial cell division protein FtsZ. <i>FEBS Letters</i> , 2001, 506, 6-10.	2.8	57
87	YidC â€” an evolutionary conserved device for the assembly of energy-transducing membrane protein complexes. <i>Current Opinion in Microbiology</i> , 2005, 8, 182-187.	5.1	57
88	Substrate Recognition and Specificity of the NisB Protein, the Lantibiotic Dehydratase Involved in Nisin Biosynthesis. <i>Journal of Biological Chemistry</i> , 2011, 286, 30552-30560.	3.4	57
89	SecA Supports a Constant Rate of Preprotein Translocation*. <i>Journal of Biological Chemistry</i> , 2006, 281, 15709-15713.	3.4	56
90	Mechanisms of YidC-mediated Insertion and Assembly of Multimeric Membrane Protein Complexes. <i>Journal of Biological Chemistry</i> , 2008, 283, 31269-31273.	3.4	56

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91	Light-Induced Control of Protein Translocation by the SecYEG Complex. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7234-7238.	13.8	56
92	How proteins cross the bacterial cytoplasmic membrane. <i>Journal of Membrane Biology</i> , 1994, 142, 145-59.	2.1	55
93	Hot standards for the thermoacidophilic archaeon <i>Sulfolobus solfataricus</i> . <i>Extremophiles</i> , 2010, 14, 119-142.	2.3	55
94	Mapping the Sites of Interaction between SecY and SecE by Cysteine Scanning Mutagenesis. <i>Journal of Biological Chemistry</i> , 2001, 276, 32559-32566.	3.4	54
95	YidC and SecY Mediate Membrane Insertion of a Type I Transmembrane Domain. <i>Journal of Biological Chemistry</i> , 2002, 277, 35880-35886.	3.4	54
96	Reconstitution of Purified Bacterial Preprotein Translocase in Liposomes. <i>Methods in Enzymology</i> , 2003, 372, 86-98.	1.0	54
97	ydaG and ydbA of <i>Lactococcus lactis</i> Encode a Heterodimeric ATP-binding Cassette-type Multidrug Transporter. <i>Journal of Biological Chemistry</i> , 2004, 279, 34449-34455.	3.4	54
98	Pushing, pulling and trapping - Modes of motor protein supported protein translocation. <i>FEBS Letters</i> , 2007, 581, 2820-2828.	2.8	54
99	Sec-dependent preprotein translocation in bacteria. <i>Archives of Microbiology</i> , 1996, 165, 1-8.	2.2	52
100	Elucidating the Native Architecture of the YidC: Ribosome Complex. <i>Journal of Molecular Biology</i> , 2013, 425, 4112-4124.	4.2	52
101	Non-hydrolysable GTP-gamma-S stabilizes the FtsZ polymer in a GDP-bound state. <i>Molecular Microbiology</i> , 2000, 35, 1211-1219.	2.5	51
102	Signal peptides of secreted proteins of the archaeon <i>Sulfolobus solfataricus</i> : a genomic survey. <i>Archives of Microbiology</i> , 2002, 177, 209-216.	2.2	51
103	Stepwise evolution of the Sec machinery in Proteobacteria. <i>Trends in Microbiology</i> , 2006, 14, 105-108.	7.7	51
104	Cellobiose Uptake in the Hyperthermophilic Archaeon <i>Pyrococcus furiosus</i> Is Mediated by an Inducible, High-Affinity ABC Transporter. <i>Journal of Bacteriology</i> , 2001, 183, 4979-4984.	2.2	50
105	Interaction of SecB with soluble SecA1. <i>FEBS Letters</i> , 1997, 416, 35-38.	2.8	49
106	SecYEG Proteoliposomes Catalyze the Mg^{2+} -Dependent Membrane Insertion of FtsQ. <i>Journal of Biological Chemistry</i> , 2004, 279, 1659-1664.	3.4	49
107	The Oligomeric Distribution of SecYEG is Altered by SecA and Translocation Ligands. <i>Journal of Molecular Biology</i> , 2005, 354, 258-271.	4.2	49
108	Novel Key Metabolites Reveal Further Branching of the Roquefortine/Meleagrin Biosynthetic Pathway. <i>Journal of Biological Chemistry</i> , 2013, 288, 37289-37295.	3.4	49

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109	Measurements of the proton motive force generated by cytochrome c oxidase from <i>Bacillus subtilis</i> in proteoliposomes and membrane vesicles. <i>FEBS Journal</i> , 1986, 156, 431-440.	0.2	48
110	Bioenergetics and solute uptake under extreme conditions. <i>Extremophiles</i> , 2001, 5, 285-294.	2.3	48
111	Î ⁻ -(L-Î±-Aminoadipyl)-L-cysteinyl-D-valine synthetase, that mediates the first committed step in penicillin biosynthesis, is a cytosolic enzyme. <i>Fungal Genetics and Biology</i> , 2002, 37, 49-55.	2.1	48
112	Co- and post-translational translocation through the protein-conducting channel: analogous mechanisms at work?. <i>Nature Structural and Molecular Biology</i> , 2006, 13, 957-964.	8.2	48
113	Sec-Mediated Transport of Posttranslationally Dehydrated Peptides in <i>Lactococcus lactis</i> . <i>Applied and Environmental Microbiology</i> , 2006, 72, 7626-7633.	3.1	47
114	Nonlinear Biosynthetic Gene Cluster Dose Effect on Penicillin Production by <i>Penicillium chrysogenum</i> . <i>Applied and Environmental Microbiology</i> , 2010, 76, 7109-7115.	3.1	46
115	Co-operation between different targeting pathways during integration of a membrane protein. <i>Journal of Cell Biology</i> , 2012, 199, 303-315.	5.2	46
116	Comparative study of the extracellular proteome of <i>Sulfolobus</i> species reveals limited secretion. <i>Extremophiles</i> , 2010, 14, 87-98.	2.3	45
117	Active-Site Residues in the Type IV Prepilin Peptidase Homologue PibD from the Archaeon <i>Sulfolobus solfataricus</i> . <i>Journal of Bacteriology</i> , 2006, 188, 1437-1443.	2.2	44
118	SsLrpB, a transcriptional regulator from <i>Sulfolobus solfataricus</i> , regulates a gene cluster with a pyruvate ferredoxin oxidoreductase-encoding operon and permease genes. <i>Molecular Microbiology</i> , 2009, 71, 972-988.	2.5	44
119	Differential effect of YidC depletion on the membrane proteome of <i>Escherichia coli</i> under aerobic and anaerobic growth conditions. <i>Proteomics</i> , 2010, 10, 3235-3247.	2.2	44
120	Competitive Binding of the SecA ATPase and Ribosomes to the SecYEG Translocon. <i>Journal of Biological Chemistry</i> , 2012, 287, 7885-7895.	3.4	44
121	Increased Penicillin Production in <i>Penicillium chrysogenum</i> Production Strains via Balanced Overexpression of Isopenicillin N Acyltransferase. <i>Applied and Environmental Microbiology</i> , 2012, 78, 7107-7113.	3.1	44
122	Identification of the Magnesium-binding Domain of the High-affinity ATP-binding Site of the <i>Bacillus subtilis</i> and <i>Escherichia coli</i> SecA Protein. <i>Journal of Biological Chemistry</i> , 1995, 270, 18975-18982.	3.4	43
123	Regulation of expression of the arabinose and glucose transporter genes in the thermophilic archaeon <i>Sulfolobus solfataricus</i> . <i>Extremophiles</i> , 2006, 10, 383-391.	2.3	43
124	The <i>Bifidobacterium longum</i> NCIMB 702259 ^T Gene Codes for a Novel Chololate Transporter. <i>Applied and Environmental Microbiology</i> , 2006, 72, 923-926.	3.1	43
125	Expression of the transporter encoded by the <i>cefT</i> gene of <i>Acremonium chrysogenum</i> increases cephalosporin production in <i>Penicillium chrysogenum</i> . <i>Fungal Genetics and Biology</i> , 2008, 45, 1415-1421.	2.1	43
126	The <i>Sulfolobin</i> Genes of <i>Sulfolobus acidocaldarius</i> Encode Novel Antimicrobial Proteins. <i>Journal of Bacteriology</i> , 2011, 193, 4380-4387.	2.2	43

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127	SecY-SecY and SecY-SecG contacts revealed by site-specific crosslinking. <i>FEBS Letters</i> , 2002, 527, 159-165.	2.8	42
128	A Non-Canonical NRPS Is Involved in the Synthesis of Fungisporin and Related Hydrophobic Cyclic Tetrapeptides in <i>Penicillium chrysogenum</i> . <i>PLoS ONE</i> , 2014, 9, e98212.	2.5	42
129	Lipids Activate SecA for High Affinity Binding to the SecYEG Complex. <i>Journal of Biological Chemistry</i> , 2016, 291, 22534-22543.	3.4	42
130	Sec-Mediated Secretion of Bacteriocin Enterocin P by <i>Lactococcus lactis</i> . <i>Applied and Environmental Microbiology</i> , 2005, 71, 1959-1963.	3.1	40
131	Identification of Two Interaction Sites in SecY that Are Important for the Functional Interaction with SecA. <i>Journal of Molecular Biology</i> , 2006, 361, 839-849.	4.2	40
132	Functional incorporation of beef-heart cytochrome c oxidase into membranes of <i>Streptococcus cremoris</i> . <i>FEBS Journal</i> , 1986, 154, 617-624.	0.2	39
133	Immediate GTP hydrolysis upon FtsZ polymerization. <i>Molecular Microbiology</i> , 2002, 43, 1517-1521.	2.5	39
134	Direct Demonstration of ATP-dependent Release of SecA from a Translocating Preprotein by Surface Plasmon Resonance. <i>Journal of Biological Chemistry</i> , 2003, 278, 29581-29586.	3.4	39
135	<i>Bacillus subtilis</i> SpoIIJ and YqjG Function in Membrane Protein Biogenesis. <i>Journal of Bacteriology</i> , 2009, 191, 6749-6757.	2.2	39
136	Distinct Contributions of the Nisin Biosynthesis Enzymes NisB and NisC and Transporter NisT to Prenisin Production by <i>Lactococcus lactis</i> . <i>Applied and Environmental Microbiology</i> , 2008, 74, 5541-5548.	3.1	38
137	Glutamate transport in <i>Rhodobacter sphaeroides</i> is mediated by a novel binding protein-dependent secondary transport system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 12786-12790.	7.1	37
138	Enterocin P Causes Potassium Ion Efflux from <i>Enterococcus faecium</i> T136 Cells. <i>Antimicrobial Agents and Chemotherapy</i> , 2001, 45, 901-904.	3.2	37
139	The Large First Periplasmic Loop of SecD and SecF Plays an Important Role in SecDF Functioning. <i>Journal of Bacteriology</i> , 2005, 187, 5857-5860.	2.2	37
140	The ABC-Type Multidrug Resistance Transporter LmrCD Is Responsible for an Extrusion-Based Mechanism of Bile Acid Resistance in <i>Lactococcus lactis</i> . <i>Journal of Bacteriology</i> , 2008, 190, 7357-7366.	2.2	37
141	Subunit a of the F1F0 ATP Synthase Requires YidC and SecYEG for Membrane Insertion. <i>Journal of Molecular Biology</i> , 2009, 390, 893-901.	4.2	37
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