Arnold JM Driessen

List of Publications by Year
in descending order

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244 papers	17,225 citations	14655 66 h-index	20358 116 g-index
250 all docs	250 docs citations	250 times ranked	13324 citing authors

#	Article	IF	Citations
1	Combined roles of exporters in acetic acid tolerance in Saccharomyces cerevisiae. , 2022, 15, .		2
2	Singleâ€molecule analysis of dynamics and interactions of the SecYEG translocon. FEBS Journal, 2021, 288, 2203-2221.	4.7	10
3	A promiscuous archaeal cardiolipin synthase enables construction of diverse natural and unnatural phospholipids. Journal of Biological Chemistry, 2021, 296, 100691.	3.4	10
4	RÃ¼cktitelbild: A Unified Approach for the Total Synthesis of cycloâ€Archaeol, isoâ€Caldarchaeol, Caldarchaeol, and Mycoketide (Angew. Chem. 32/2021). Angewandte Chemie, 2021, 133, 17892-17892.	2.0	0
5	A Unified Approach for the Total Synthesis of cycloâ€Archaeol, isoâ€Caldarchaeol, Caldarchaeol, and Mycoketide. Angewandte Chemie - International Edition, 2021, 60, 17497-17503.	13.8	10
6	A Unified Approach for the Total Synthesis of cyclo â€Archaeol, iso â€Caldarchaeol, Caldarchaeol, and Mycoketide. Angewandte Chemie, 2021, 133, 17638-17644.	2.0	2
7	Nonribosomal peptide synthetases and their biotechnological potential in Penicillium rubens. Journal of Industrial Microbiology and Biotechnology, 2021, 48, .	3.0	17
8	A versatile method to separate complex lipid mixtures using 1-butanol as eluent in a reverse-phase UHPLC-ESI-MS system. Chemistry and Physics of Lipids, 2021, 240, 105125.	3.2	7
9	Identification of a conserved Nâ€terminal domain in the first module of ACV synthetases. MicrobiologyOpen, 2021, 10, e1145.	3.0	5
10	Modular Synthetic Biology Toolkit for Filamentous Fungi. ACS Synthetic Biology, 2021, 10, 2850-2861.	3.8	35
11	D-glucose overflow metabolism in an evolutionary engineered high-performance D-xylose consuming Saccharomyces cerevisiae strain. FEMS Yeast Research, 2021, 21, .	2.3	3
12	Biochemical characterization of the Nocardia lactamdiuransÂACV synthetase. PLoS ONE, 2020, 15, e0231290.	2.5	3
13	Bacterial MbtH-like Proteins Stimulate Nonribosomal Peptide Synthetase-Derived Secondary Metabolism in Filamentous Fungi. ACS Synthetic Biology, 2019, 8, 1776-1787.	3.8	16
14	Synthetic Minimal Cell: Self-Reproduction of the Boundary Layer. ACS Omega, 2019, 4, 5293-5303.	3.5	20
15	Continuous expansion of a synthetic minimal cellular membrane. Emerging Topics in Life Sciences, 2019, 3, 543-549.	2.6	7
16	Deregulation of secondary metabolism in a histone deacetylase mutant of Penicillium chrysogenum. MicrobiologyOpen, 2018, 7, e00598.	3.0	24
17	Growing Membranes In Vitro by Continuous Phospholipid Biosynthesis from Free Fatty Acids. ACS Synthetic Biology, 2018, 7, 153-165.	3.8	60
18	Increased xylose affinity of Hxt2 through gene shuffling of hexose transporters in Saccharomyces cerevisiae. Journal of Applied Microbiology, 2018, 124, 503-510.	3.1	20

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19	The aminoâ€terminal tail of Hxt11 confers membrane stability to the Hxt2 sugar transporter and improves xylose fermentation in the presence of acetic acid. Biotechnology and Bioengineering, 2017, 114, 1937-1945.	3.3	30
20	Photocontrol of Antibacterial Activity: Shifting from UV to Red Light Activation. Journal of the American Chemical Society, 2017, 139, 17979-17986.	13.7	224
21	CRISPR/Cas9 Based Genome Editing of Penicillium chrysogenum. ACS Synthetic Biology, 2016, 5, 754-764.	3.8	258
22	Identification of a Polyketide Synthase Involved in Sorbicillin Biosynthesis by Penicillium chrysogenum. Applied and Environmental Microbiology, 2016, 82, 3971-3978.	3.1	62
23	Lipids Activate SecA for High Affinity Binding to the SecYEG Complex. Journal of Biological Chemistry, 2016, 291, 22534-22543.	3.4	42
24	New promoters for strain engineering of Penicillium chrysogenum. Fungal Genetics and Biology, 2016, 89, 62-71.	2.1	35
25	Improved xylose uptake inSaccharomyces cerevisiaedue to directed evolution of galactose permease Gal2 for sugar co-consumption. Journal of Applied Microbiology, 2015, 119, 99-111.	3.1	29
26	The saci_2123 gene of the hyperthermoacidophile Sulfolobus acidocaldarius encodes an ATP-binding cassette multidrug transporter. Extremophiles, 2015, 19, 101-108.	2.3	5
27	The Escherichia coli Membrane Protein Insertase YidC Assists in the Biogenesis of Penicillin Binding Proteins. Journal of Bacteriology, 2015, 197, 1444-1450.	2.2	19
28	Supramolecular Assembly of Artificial Metalloenzymes Based on the Dimeric Protein LmrR as Promiscuous Scaffold. Journal of the American Chemical Society, 2015, 137, 9796-9799.	13.7	114
29	Controlling the activity of quorum sensing autoinducers with light. Chemical Science, 2015, 6, 3593-3598.	7.4	36
30	A Mutasynthesis Approach with a Penicillium chrysogenum Î”roqA Strain Yields New Roquefortine D Analogues. ChemBioChem, 2015, 16, 915-923.	2.6	8
31	Role of the Cytosolic Loop C2 and the C Terminus of YidC in Ribosome Binding and Insertion Activity. Journal of Biological Chemistry, 2015, 290, 17250-17261.	3.4	29
32	Minimum Information about a Biosynthetic Gene cluster. Nature Chemical Biology, 2015, 11, 625-631.	8.0	715
33	Ciprofloxacinâ€“Photoswitch Conjugates: A Facile Strategy for Photopharmacology. Bioconjugate Chemistry, 2015, 26, 2592-2597.	3.6	86
34	In Vitro Interaction of the Housekeeping SecA1 with the Accessory SecA2 Protein of Mycobacterium tuberculosis. PLoS ONE, 2015, 10, e0128788.	2.5	15
35	Binding of the Lactococcal Drug Dependent Transcriptional Regulator LmrR to Its Ligands and Responsive Promoter Regions. PLoS ONE, 2015, 10, e0135467.	2.5	25
36	A Non-Canonical NRPS Is Involved in the Synthesis of Fungisporin and Related Hydrophobic Cyclic Tetrapeptides in Penicillium chrysogenum. PLoS ONE, 2014, 9, e98212.	2.5	42

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37	Biosynthesis of archaeal membrane ether lipids. Frontiers in Microbiology, 2014, 5, 641.	3.5	137
38	Deletion of cdvB paralogous genes of Sulfolobus acidocaldarius impairs cell division. Extremophiles, 2014, 18, 331-339.	2.3	26
39	Membrane-on-a-Chip: Microstructured Silicon/Silicon-Dioxide Chips for High-Throughput Screening of Membrane Transport and Viral Membrane Fusion. ACS Nano, 2014, 8, 3380-3392.	14.6	26
40	Identification of CDP-Archaeol Synthase, a Missing Link of Ether Lipid Biosynthesis in Archaea. Chemistry and Biology, 2014, 21, 1392-1401.	6.0	36
41	Orthogonal Control of Antibacterial Activity with Light. ACS Chemical Biology, 2014, 9, 1969-1974.	3.4	73
42	How hyperthermophiles adapt to change their lives: DNA exchange in extreme conditions. Extremophiles, 2013, 17, 545-563.	2.3	84
43	Optical control of antibacterial activity. Nature Chemistry, 2013, 5, 924-928.	13.6	298
44	Elucidating the Native Architecture of the YidC: Ribosome Complex. Journal of Molecular Biology, 2013, 425, 4112-4124.	4.2	52
45	Monitoring the Activity of Single Translocons. Journal of Molecular Biology, 2013, 425, 4145-4153.	4.2	35
46	Characterization of the supporting role of SecE in protein translocation. FEBS Letters, 2013, 587, 3083-3088.	2.8	15
47	Reshaping of the conformational search of a protein by the chaperone trigger factor. Nature, 2013, 500, 98-101.	27.8	118
48	Analysis of the inhibition potential of zosuquidar derivatives on selected bacterial and fungal ABC transporters. Molecular Membrane Biology, 2013, 30, 217-227.	2.0	7
49	Molecular analysis of the UVâ€inducible pili operon from Sulfolobus acidocaldarius. MicrobiologyOpen, 2013, 2, 928-937.	3.0	37
50	Interaction of Streptococcus mutans YidC1 and YidC2 with Translating and Nontranslating Ribosomes. Journal of Bacteriology, 2013, 195, 4545-4551.	2.2	21
51	Novel Key Metabolites Reveal Further Branching of the Roquefortine/Meleagrin Biosynthetic Pathway. Journal of Biological Chemistry, 2013, 288, 37289-37295.	3.4	49
52	The Formation of Oxytocin Dimers is Suppressed by the Zinc-Aspartate-Oxytocin Complex. Journal of Pharmaceutical Sciences, 2013, 102, 1734-1741.	3.3	16
53	A Branched Biosynthetic Pathway Is Involved in Production of Roquefortine and Related Compounds in Penicillium chrysogenum. PLoS ONE, 2013, 8, e65328.	2.5	73
54	Impact of Velvet Complex on Transcriptome and Penicillin G Production in Glucose-Limited Chemostat Cultures of a Î²-Lactam High-Producing Penicillium chrysogenum Strain. OMICS A Journal of Integrative Biology, 2012, 16, 320-333.	2.0	27

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55	The YidC/Oxa1/Alb3 protein family: common principles and distinct features. Biological Chemistry, 2012, 393, 1279-1290.	2.5	32
56	Competitive Binding of the SecA ATPase and Ribosomes to the SecYEG Translocon. Journal of Biological Chemistry, 2012, 287, 7885-7895.	3.4	44
57	Regulation of archaella expression by the FHA and von Willebrand domainâ€containing proteins ArnA and ArnB in Sulfolobus acidocaldarius. Molecular Microbiology, 2012, 86, 24-36.	2.5	72
58	Co-operation between different targeting pathways during integration of a membrane protein. Journal of Cell Biology, 2012, 199, 303-315.	5.2	46
59	The ABC transporter ABC40 encodes a phenylacetic acid export system in Penicillium chrysogenum. Fungal Genetics and Biology, 2012, 49, 915-921.	2.1	21
60	Metabolic engineering of Î²-oxidation in Penicillium chrysogenum for improved semi-synthetic cephalosporin biosynthesis. Metabolic Engineering, 2012, 14, 437-448.	7.0	26
61	Increased Penicillin Production in Penicillium chrysogenum Production Strains via Balanced Overexpression of Isopenicillin N Acyltransferase. Applied and Environmental Microbiology, 2012, 78, 7107-7113.	3.1	44
62	Protein conducting channelsâ€"mechanisms, structures and applications. Molecular BioSystems, 2012, 8, 709.	2.9	5
63	Enantioselective Artificial Metalloenzymes by Creation of a Novel Active Site at the Protein Dimer Interface. Angewandte Chemie - International Edition, 2012, 51, 7472-7475.	13.8	154
64	Biosynthetic concepts for the production of Î²â€lactam antibiotics in Penicillium chrysogenum. Biotechnology Journal, 2012, 7, 225-236.	3.5	36
65	Functional characterization of the oxaloacetase encoding gene and elimination of oxalate formation in the Î²-lactam producer Penicillium chrysogenum. Fungal Genetics and Biology, 2011, 48, 831-839.	2.1	23
66	Isoprenoid biosynthesis in Archaea â€“ Biochemical and evolutionary implications. Research in Microbiology, 2011, 162, 39-52.	2.1	109
67	Taming Membranes: Functional Immobilization of Biological Membranes in Hydrogels. PLoS ONE, 2011, 6, e20435.	2.5	20
68	UV-inducible DNA exchange in hyperthermophilic archaea mediated by type IV pili. Molecular Microbiology, 2011, 82, 807-817.	2.5	113
69	Quaternary Structure of SecA in Solution and Bound to SecYEG Probed at the Single Molecule Level. Structure, 2011, 19, 430-439.	3.3	63
70	In vitro synthesis and oligomerization of the mechanosensitive channel of large conductance, MscL, into a functional ion channel. FEBS Letters, 2011, 585, 249-254.	2.8	20
71	A New Strategy to Stabilize Oxytocin in Aqueous Solutions: I. The Effects of Divalent Metal Ions and Citrate Buffer. AAPS Journal, 2011, 13, 284-290.	4.4	27
72	The bindosome is a structural component of the Sulfolobus solfataricus cell envelope. Extremophiles, 2011, 15, 235-244.	2.3	29

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73	SecA, a remarkable nanomachine. Cellular and Molecular Life Sciences, 2011, 68, 2053-2066.	5.4	61
74	Bacillus subtilis YqjG is required for genetic competence development. Proteomics, 2011, 11, 270-282.	2.2	22
75	Substrate Recognition and Specificity of the NisB Protein, the Lantibiotic Dehydratase Involved in Nisin Biosynthesis. Journal of Biological Chemistry, 2011, 286, 30552-30560.	3.4	57
76	Cholate-Stimulated Biofilm Formation by Lactococcus lactis Cells. Applied and Environmental Microbiology, 2011, 77, 2602-2610.	3.1	10
77	Probing the SecYEG translocation pore size with preproteins conjugated with sizable rigid spherical molecules. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 7775-7780.	7.1	64
78	The Sulfolobicin Genes of Sulfolobus acidocaldariusEncode Novel Antimicrobial Proteins. Journal of Bacteriology, 2011, 193, 4380-4387.	2.2	43
79	Conformational Dynamics of the Plug Domain of the SecYEG Protein-conducting Channel. Journal of Biological Chemistry, 2011, 286, 43881-43890.	3.4	16
80	A single copy of SecYEG is sufficient for preprotein translocation. EMBO Journal, 2011, 30, 4387-4397.	7.8	60
81	â€œHot standardsâ€•for the thermoacidophilic archaeon Sulfolobus solfataricus. Extremophiles, 2010, 14, 119-142.	2.3	55
82	Comparative study of the extracellular proteome of Sulfolobus species reveals limited secretion. Extremophiles, 2010, 14, 87-98.	2.3	45
83	Lightâ€‹nduced Control of Protein Translocation by the SecYEG Complex. Angewandte Chemie - International Edition, 2010, 49, 7234-7238.	13.8	56
84	Differential effect of YidC depletion on the membrane proteome of Escherichia coli under aerobic and anaerobic growth conditions. Proteomics, 2010, 10, 3235-3247.	2.2	44
85	Conserved Negative Charges in the Transmembrane Segments of Subunit K of the NADH:Ubiquinone Oxidoreductase Determine Its Dependence on YidC for Membrane Insertion. Journal of Biological Chemistry, 2010, 285, 3575-3581.	3.4	37
86	Appendage-Mediated Surface Adherence of Sulfolobus solfataricus. Journal of Bacteriology, 2010, 192, 104-110.	2.2	84
87	Nonlinear Biosynthetic Gene Cluster Dose Effect on Penicillin Production by Penicillium chrysogenum. Applied and Environmental Microbiology, 2010, 76, 7109-7115.	3.1	46
88	Immobilization of the Plug Domain Inside the SecY Channel Allows Unrestricted Protein Translocation. Journal of Biological Chemistry, 2010, 285, 23747-23754.	3.4	26
89	SecBâ€”A chaperone dedicated to protein translocation. Molecular BioSystems, 2010, 6, 620-627.	2.9	62
90	Inactivation of the Ecs ABC Transporter of Staphylococcus aureus Attenuates Virulence by Altering Composition and Function of Bacterial Wall. PLoS ONE, 2010, 5, e14209.	2.5	19

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91	The Lateral Gate of SecYEG Opens during Protein Translocation. Journal of Biological Chemistry, 2009, 284, 15805-15814.	3.4	87
92	Bacillus subtilis SpoIIIJ and YqjG Function in Membrane Protein Biogenesis. Journal of Bacteriology, 2009, 191, 6749-6757.	2.2	39
93	Proteomic analysis of secreted membrane vesicles of archaeal Sulfolobus species reveals the presence of endosome sorting complex components. Extremophiles, 2009, 13, 67-79.	2.3	148
94	Ssâ€ŁrpB, a transcriptional regulator from Sulfolobus solfataricus, regulates a gene cluster with a pyruvate ferredoxin oxidoreductaseâ€encoding operon and permease genes. Molecular Microbiology, 2009, 71, 972-988.	2.5	44
95	Structure of the transcriptional regulator LmrR and its mechanism of multidrug recognition. EMBO Journal, 2009, 28, 156-166.	7.8	118
96	The quest for a better resolution of proteinâ€translocation processes. EMBO Reports, 2009, 10, 337-342.	4.5	2
97	Charged Amino Acids in a Preprotein Inhibit SecA-Dependent Protein Translocation. Journal of Molecular Biology, 2009, 386, 1000-1010.	4.2	19
98	Subunit a of the F1F0 ATP Synthase Requires YidC and SecYEG for Membrane Insertion. Journal of Molecular Biology, 2009, 390, 893-901.	4.2	37
99	SulfoSYS (Sulfolobus Systems Biology): towards a silicon cell model for the central carbohydrate metabolism of the archaeon Sulfolobus solfataricus under temperature variation. Biochemical Society Transactions, 2009, 37, 58-64.	3.4	25
100	Expanding and understanding the genetic toolbox of the hyperthermophilic genus Sulfolobus. Biochemical Society Transactions, 2009, 37, 97-101.	3.4	75
101	Genome sequencing and analysis of the filamentous fungus Penicillium chrysogenum. Nature Biotechnology, 2008, 26, 1161-1168.	17.5	427
102	UVâ€inducible cellular aggregation of the hyperthermophilic archaeon Sulfolobus solfataricus is mediated by pili formation. Molecular Microbiology, 2008, 70, 938-952.	2.5	137
103	Cell Surface Structures of Archaea. Journal of Bacteriology, 2008, 190, 6039-6047.	2.2	61
104	Kinetics and Energetics of the Translocation of Maltose Binding Protein Folding Mutants. Journal of Molecular Biology, 2008, 377, 83-90.	4.2	10
105	Expression of the transporter encoded by the cefT gene of Acremonium chrysogenum increases cephalosporin production in Penicillium chrysogenum. Fungal Genetics and Biology, 2008, 45, 1415-1421.	2.1	43
106	The Charge Distribution in the Cytoplasmic Loop of Subunit C of the F1F0 ATPase Is a Determinant for YidC Targeting. Journal of Biological Chemistry, 2008, 283, 9871-9877.	3.4	10
107	Mechanisms of YidC-mediated Insertion and Assembly of Multimeric Membrane Protein Complexes. Journal of Biological Chemistry, 2008, 283, 31269-31273.	3.4	56
108	YidC Is Involved in the Biogenesis of Anaerobic Respiratory Complexes in the Inner Membrane of Escherichia coli. Journal of Biological Chemistry, 2008, 283, 26921-26927.	3.4	29

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109	LmrR Is a Transcriptional Repressor of Expression of the Multidrug ABC Transporter LmrCD in Lactococcus lactis. Journal of Bacteriology, 2008, 190, 759-763.	2.2	61
110	The ABC-Type Multidrug Resistance Transporter LmrCD Is Responsible for an Extrusion-Based Mechanism of Bile Acid Resistance in Lactococcus lactis. Journal of Bacteriology, 2008, 190, 7357-7366.	2.2	37
111	Distinct Contributions of the Nisin Biosynthesis Enzymes NisB and NisC and Transporter NisT to Prenisin Production by Lactococcus lactis. Applied and Environmental Microbiology, 2008, 74, 5541-5548.	3.1	38
112	The Sulfolobus solfataricus AAA protein Sso0909, a homologue of the eukaryotic ESCRT Vps4 ATPase. Biochemical Society Transactions, 2008, 36, 94-98.	3.4	30
113	Conditions for gene disruption by homologous recombination of exogenous DNA into theSulfolobus solfataricusgenome. Archaea, 2008, 2, 145-149.	2.3	59
114	Production of Dehydroamino Acid-Containing Peptides by Lactococcus lactis. Applied and Environmental Microbiology, 2007, 73, 1792-1796.	3.1	74
115	Flagellar Motility and Structure in the Hyperthermoacidophilic Archaeon Sulfolobus solfataricus. Journal of Bacteriology, 2007, 189, 4305-4309.	2.2	73
116	Identification of Diverse Archaeal Proteins with Class III Signal Peptides Cleaved by Distinct Archaeal Prepilin Peptidases. Journal of Bacteriology, 2007, 189, 772-778.	2.2	139
117	Structural Organization of Essential Iron-Sulfur Clusters in the Evolutionarily Highly Conserved ATP-binding Cassette Protein ABCE1. Journal of Biological Chemistry, 2007, 282, 14598-14607.	3.4	99
118	The Active Protein-conducting Channel of Escherichia coli Contains an Apolar Patch. Journal of Biological Chemistry, 2007, 282, 29785-29793.	3.4	20
119	Bacterial Sec-translocase Unfolds and Translocates a Class of Folded Protein Domains. Journal of Molecular Biology, 2007, 372, 422-433.	4.2	31
120	Arginine 357 of SecY is needed for SecA-dependent initiation of preprotein translocation. FEBS Letters, 2007, 581, 1859-1864.	2.8	8
121	Pushing, pulling and trapping - Modes of motor protein supported protein translocation. FEBS Letters, 2007, 581, 2820-2828.	2.8	54
122	Direct Observation of Chaperone-Induced Changes in a Protein Folding Pathway. Science, 2007, 318, 1458-1461.	12.6	133
123	Dissection and Modulation of the Four Distinct Activities of Nisin by Mutagenesis of Rings A and B and by C-Terminal Truncation. Applied and Environmental Microbiology, 2007, 73, 5809-5816.	3.1	139
124	Distribution and Physiology of ABC-Type Transporters Contributing to Multidrug Resistance in Bacteria. Microbiology and Molecular Biology Reviews, 2007, 71, 463-476.	6.6	270
125	Genome sequencing and analysis of the versatile cell factory Aspergillus niger CBS 513.88. Nature Biotechnology, 2007, 25, 221-231.	17.5	1,047
126	Identification of a system required for the functional surface localization of sugar binding proteins with class III signal peptides in Sulfolobus solfataricus. Molecular Microbiology, 2007, 64, 795-806.	2.5	63

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127	7 Membranes of Thermophiles and Other Extremophiles. Methods in Microbiology, 2006, 35, 161-171.	0.8	5
128	Identification of Two Interaction Sites in SecY that Are Important for the Functional Interaction with SecA. Journal of Molecular Biology, 2006, 361, 839-849.	4.2	40
129	Stepwise evolution of the Sec machinery in Proteobacteria. Trends in Microbiology, 2006, 14, 105-108.	7.7	51
130	LmrCD is a major multidrug resistance transporter in Lactococcus lactis. Molecular Microbiology, 2006, 61, 771-781.	2.5	91
131	Protein secretion in the Archaea: multiple paths towards a unique cell surface. Nature Reviews Microbiology, 2006, 4, 537-547.	28.6	61
132	Co- and post-translational translocation through the protein-conducting channel: analogous mechanisms at work?. Nature Structural and Molecular Biology, 2006, 13, 957-964.	8.2	48
133	Regulation of expression of the arabinose and glucose transporter genes in the thermophilic archaeon Sulfolobus solfataricus. Extremophiles, 2006, 10, 383-391.	2.3	43
134	Subunit a of Cytochrome o Oxidase Requires Both YidC and SecYEG for Membrane Insertion. Journal of Biological Chemistry, 2006, 281, 12248-12252.	3.4	75
135	The Bifidobacterium longum NCIMB 702259 ^T ctr Gene Codes for a Novel Cholate Transporter. Applied and Environmental Microbiology, 2006, 72, 923-926.	3.1	43
136	Active-Site Residues in the Type IV Prepilin Peptidase Homologue PibD from the Archaeon Sulfolobus solfataricus. Journal of Bacteriology, 2006, 188, 1437-1443.	2.2	44
137	Production of Recombinant and Tagged Proteins in the Hyperthermophilic Archaeon Sulfolobus solfataricus. Applied and Environmental Microbiology, 2006, 72, 102-111.	3.1	116
138	YidC-mediated Membrane Insertion of Assembly Mutants of Subunit c of the F1F0 ATPase. Journal of Biological Chemistry, 2006, 281, 29762-29768.	3.4	33
139	Topologically Fixed SecG Is Fully Functional. Journal of Bacteriology, 2006, 188, 1188-1190.	2.2	22
140	Sec-Mediated Transport of Posttranslationally Dehydrated Peptides in Lactococcus lactis. Applied and Environmental Microbiology, 2006, 72, 7626-7633.	3.1	47
141	SecA Supports a Constant Rate of Preprotein Translocation*. Journal of Biological Chemistry, 2006, 281, 15709-15713.	3.4	56
142	Two pores better than one?. Nature, 2005, 438, 299-300.	27.8	3
143	Functional and structural characterization of the minimal Sec translocase of the hyperthermophile Thermotoga maritima. Extremophiles, 2005, 9, 307-316.	2.3	7
144	The Large First Periplasmic Loop of SecD and SecF Plays an Important Role in SecDF Functioning. Journal of Bacteriology, 2005, 187, 5857-5860.	2.2	37

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145	Inactivation of Protein Translocation by Cold-Sensitive Mutations in the yajC - secDF Operon. Journal of Bacteriology, 2005, 187, 6852-6855.	2.2	14
146	Covalently Dimerized SecA Is Functional in Protein Translocation. Journal of Biological Chemistry, 2005, 280, 35255-35260.	3.4	75
147	Sec-Mediated Secretion of Bacteriocin Enterocin P by Lactococcus lactis. Applied and Environmental Microbiology, 2005, 71, 1959-1963.	3.1	40
148	The Oligomeric Distribution of SecYEG is Altered by SecA and Translocation Ligands. Journal of Molecular Biology, 2005, 354, 258-271.	4.2	49
149	YidC â€“ an evolutionary conserved device for the assembly of energy-transducing membrane protein complexes. Current Opinion in Microbiology, 2005, 8, 182-187.	5.1	57
150	Uptake of the Î²-Lactam Precursor Î±-Aminoadipic Acid in Penicillium chrysogenum Is Mediated by the Acidic and the General Amino Acid Permease. Applied and Environmental Microbiology, 2004, 70, 4775-4783.	3.1	11
151	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. Journal of Biological Chemistry, 2004, 279, 22176-22182.	3.4	152
152	ydaG and ydbA of Lactococcus lactis Encode a Heterodimeric ATP-binding Cassette-type Multidrug Transporter. Journal of Biological Chemistry, 2004, 279, 34449-34455.	3.4	54
153	Binding of SecA to the SecYEG Complex Accelerates the Rate of Nucleotide Exchange on SecA. Journal of Biological Chemistry, 2004, 279, 13769-13777.	3.4	29
154	SecYEG Proteoliposomes Catalyze the Î”Ï•-Dependent Membrane Insertion of FtsQ. Journal of Biological Chemistry, 2004, 279, 1659-1664.	3.4	49
155	Facilitated Drug Influx by an Energy-uncoupled Secondary Multidrug Transporter. Journal of Biological Chemistry, 2004, 279, 103-108.	3.4	28
156	Functional characterization of theEscherichia coliK-12 yiaMNO transport protein genes. Molecular Membrane Biology, 2004, 21, 51-57.	2.0	11
157	F1F0 ATP synthase subunit c is a substrate of the novel YidC pathway for membrane protein biogenesis. Journal of Cell Biology, 2004, 165, 213-222.	5.2	186
158	Getting out: protein traffic in prokaryotes. Molecular Microbiology, 2004, 52, 3-11.	2.5	35
159	Insights into ABC Transport in Archaea. Journal of Bioenergetics and Biomembranes, 2004, 36, 5-15.	2.3	76
160	Transporter's evolution and carbohydrate metabolic clusters. Trends in Microbiology, 2004, 12, 4-7.	7.7	8
161	Formation of the Productive ATP-Mg 2+ -bound Dimer of GlcV, an ABC-ATPase from Sulfolobus solfataricus. Journal of Molecular Biology, 2003, 334, 255-267.	4.2	84
162	Crystal Structures of the ATPase Subunit of the Glucose ABC Transporter from Sulfolobus solfataricus: Nucleotide-free and Nucleotide-bound Conformations. Journal of Molecular Biology, 2003, 330, 343-358.	4.2	145

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163	A conserved function of YidC in the biogenesis of respiratory chain complexes. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 5801-5806.	7.1	133
164	The Escherichia coli multidrug transporter MdfA catalyzes both electrogenic and electroneutral transport reactions. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 1667-1672.	7.1	80
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