Lutz Schmitt

List of Publications by Year
in descending order

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157 papers	6,729 citations	81743 39 h-index	76769 74 g-index
169 all docs	169 docs citations	169 times ranked	6707 citing authors

#	Article	IF	Citations
1	A structural classification of substrateâ€binding proteins. FEBS Letters, 2010, 584, 2606-2617.	1.3	461
2	New developments in RiPP discovery, enzymology and engineering. Natural Product Reports, 2021, 38, 130-239.	5.2	412
3	H662 is the linchpin of ATP hydrolysis in the nucleotide-binding domain of the ABC transporter HlyB. EMBO Journal, 2005, 24, 1901-1910.	3.5	309
4	Structure and mechanism of ABC transporters. Current Opinion in Structural Biology, 2002, 12, 754-760.	2.6	282
5	Type 1 protein secretion in bacteria, the ABC-transporter dependent pathway (Review). Molecular Membrane Biology, 2005, 22, 29-39.	2.0	222
6	Synthesis and Characterization of Chelator-Lipids for Reversible Immobilization of Engineered Proteins at Self-Assembled Lipid Interfaces. Journal of the American Chemical Society, 1994, 116, 8485-8491.	6.6	202
7	The Type 1 secretion pathway â€" The hemolysin system and beyond. Biochimica Et Biophysica Acta - Molecular Cell Research, 2014, 1843, 1629-1641.	1.9	172
8	Structural and functional diversity calls for a new classification of ABC transporters. FEBS Letters, 2020, 594, 3767-3775.	1.3	169
9	A Metal-Chelating Microscopy Tip as a New Toolbox for Single-Molecule Experiments by Atomic Force Microscopy. Biophysical Journal, 2000, 78, 3275-3285.	0.2	166
10	Crystal Structure of the Nucleotide-binding Domain of the ABC-transporter Haemolysin B: Identification of a Variable Region Within ABC Helical Domains. Journal of Molecular Biology, 2003, 330, 333-342.	2.0	158
11	A structural analysis of asymmetry required for catalytic activity of an ABC-ATPase domain dimer. EMBO Journal, 2006, 25, 3432-3443.	3.5	140
12	A mutation of the H-loop selectively affects rhodamine transport by the yeast multidrug ABC transporter Pdr5. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 5069-5074.	3.3	128
13	The motor domains of ABC-transporters. Naunyn-Schmiedeberg's Archives of Pharmacology, 2006, 372, 385-399.	1.4	127
14	De novo bile salt transporter antibodies as a possible cause of recurrent graft failure after liver transplantation: A novel mechanism of cholestasis. Hepatology, 2009, 50, 510-517.	3.6	120
15	Multidrug efflux pumps: Substrate selection in ATPâ€binding cassette multidrug efflux pumps â€" first come, first served?. FEBS Journal, 2010, 277, 540-549.	2.2	106
16	Sequencing of FIC1, BSEP and MDR3 in a large cohort of patients with cholestasis revealed a high number of different genetic variants. Journal of Hepatology, 2017, 67, 1253-1264.	1.8	97
17	Type I secretion systems â€" a story of appendices. Research in Microbiology, 2013, 164, 596-604.	1.0	96
18	Crystal Structures of the Choline/Acetylcholine Substrate-binding Protein ChoX from Sinorhizobium meliloti in the Liganded and Unliganded-Closed States. Journal of Biological Chemistry, 2008, 283, 32848-32859.	1.6	94

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19	Functional Characterization and ATP-Induced Dimerization of the Isolated ABC-Domain of the Haemolysin B Transporter. Biochemistry, 2005, 44, 9680-9690.	1.2	88
20	A Specific Interaction Between the NBD of the ABC-transporter HlyB and a C-Terminal Fragment of its Transport Substrate Haemolysin A. Journal of Molecular Biology, 2003, 327, 1169-1179.	2.0	80
21	Dual action antifungal small molecule modulates multidrug efflux and TOR signaling. Nature Chemical Biology, 2016, 12, 867-875.	3.9	79
22	Molecular Determinants for Substrate Specificity of the Ligand-binding Protein OpuAC from Bacillus subtilis for the Compatible Solutes Glycine Betaine and Proline Betaine. Journal of Molecular Biology, 2006, 357, 592-606.	2.0	77
23	Lantibiotics: How do producers become self-protected?. Journal of Biotechnology, 2012, 159, 145-154.	1.9	75
24	Yeast ATPâ€Binding Cassette Transporters: Cellular Cleaning Pumps. Methods in Enzymology, 2005, 400, 460-484.	0.4	70
25	Oriented, Active Escherichia coli RNA Polymerase: An Atomic Force Microscope Study. Biophysical Journal, 1999, 76, 1024-1033.	0.2	69
26	NisC Binds the FxLx Motif of the Nisin Leader Peptide. Biochemistry, 2013, 52, 5387-5395.	1.2	68
27	The Rate of Folding Dictates Substrate Secretion by the Escherichia coli Hemolysin Type 1 Secretion System. Journal of Biological Chemistry, 2010, 285, 40573-40580.	1.6	62
28	Substrate Recognition and Specificity of the NisB Protein, the Lantibiotic Dehydratase Involved in Nisin Biosynthesis. Journal of Biological Chemistry, 2011, 286, 30552-30560.	1.6	57
29	Arsenobetaine: an ecophysiologically important organoarsenical confers cytoprotection against osmotic stress and growth temperature extremes. Environmental Microbiology, 2018, 20, 305-323.	1.8	55
30	An RTX Transporter Tethers Its Unfolded Substrate during Secretion via a Unique N-Terminal Domain. Structure, 2012, 20, 1778-1787.	1.6	54
31	Structure and efflux mechanism of the yeast pleiotropic drug resistance transporter Pdr5. Nature Communications, 2021, 12, 5254.	5.8	51
32	The Compatible-Solute-Binding Protein OpuAC from Bacillus subtilis : Ligand Binding, Site-Directed Mutagenesis, and Crystallographic Studies. Journal of Bacteriology, 2008, 190, 5663-5671.	1.0	50
33	Conformational isomers of a class II MHC-peptide complex in solution. Journal of Molecular Biology, 1999, 286, 207-218.	2.0	49
34	Type I Protein Secretionâ€"Deceptively Simple yet with a Wide Range of Mechanistic Variability across the Family. EcoSal Plus, 2016, 7, .	2.1	48
35	The Crystal Structure of the Substrate-Binding Protein OpuBC from Bacillus subtilis in Complex with Choline. Journal of Molecular Biology, 2011, 411, 53-67.	2.0	47
36	The ABC transporter G subfamily in Arabidopsis thaliana. Journal of Experimental Botany, 2021, 72, 92-106.	2.4	47

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37	Nucleotide Dependent Monomer/Dimer Equilibrium of OpuAA, the Nucleotide-binding Protein of the Osmotically Regulated ABC Transporter OpuA from Bacillus subtilis. Journal of Molecular Biology, 2003, 334, 403-419.	2.0	46
38	The GTPase Activity of Murine Guanylate-binding Protein 2 (mGBP2) Controls the Intracellular Localization and Recruitment to the Parasitophorous Vacuole of Toxoplasma gondii. Journal of Biological Chemistry, 2012, 287, 27452-27466.	1.6	46
39	Role of centrosomal adaptor proteins of the TACC family in the regulation of microtubule dynamics during mitotic cell division. Biological Chemistry, 2013, 394, 1411-1423.	1.2	45
40	Bile salt export pumpâ€reactive antibodies form a polyclonal, multiâ€inhibitory response in antibodyâ€induced bile salt export pump deficiency. Hepatology, 2016, 63, 524-537.	3.6	45
41	The Crystal Structure of UehA in Complex with Ectoineâ€"A Comparison with Other TRAP-T Binding Proteins. Journal of Molecular Biology, 2009, 389, 58-73.	2.0	44
42	Type I Secretion Systemsâ€"One Mechanism for All?. Microbiology Spectrum, 2019, 7, .	1.2	44
43	From substrate specificity to promiscuity: hybrid ABC transporters for osmoprotectants. Molecular Microbiology, 2017, 104, 761-780.	1.2	42
44	Double-strand DNA end-binding and sliding of the toroidal CRISPR-associated protein Csn2. Nucleic Acids Research, 2013, 41, 6347-6359.	6.5	41
45	High-throughput evaluation of the critical micelle concentration of detergents. Analytical Biochemistry, 2011, 408, 64-70.	1.1	39
46	The Centrosomal Adaptor TACC3 and the Microtubule Polymerase chTOG Interact via Defined C-terminal Subdomains in an Aurora-A Kinase-independent Manner. Journal of Biological Chemistry, 2014, 289, 74-88.	1.6	39
47	Structure and Function of Hepatobiliary ATP Binding Cassette Transporters. Chemical Reviews, 2021, 121, 5240-5288.	23.0	38
48	Easy and Rapid Purification of Highly Active Nisin. International Journal of Peptides, 2011, 2011, 1-9.	0.7	37
49	Affinity, Specificity, Diversity: A Challenge for the ABC Transporter TAP in Cellular Immunity. ChemBioChem, 2000, 1, 16-35.	1.3	36
50	The role of the degenerate nucleotide binding site in type I ABC exporters. FEBS Letters, 2020, 594, 3815-3838.	1.3	36
51	Generating Symmetry in the Asymmetric ATP-binding Cassette (ABC) Transporter Pdr5 from Saccharomyces cerevisiae. Journal of Biological Chemistry, 2014, 289, 15272-15279.	1.6	35
52	Directionality of substrate translocation of the hemolysin A Type I secretion system. Scientific Reports, 2015, 5, 12470.	1.6	35
53	Substrate Specificity of the Secreted Nisin Leader Peptidase NisP. Biochemistry, 2017, 56, 4005-4014.	1.2	35
54	ABCG1 contributes to suberin formation in Arabidopsis thaliana roots. Scientific Reports, 2019, 9, 11381.	1.6	35

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55	Crystal Structure of the Ligand-Binding Protein EhuB from Sinorhizobium meliloti Reveals Substrate Recognition of the Compatible Solutes Ectoine and Hydroxyectoine. Journal of Molecular Biology, 2007, 374, 1237-1250.	2.0	34
56	Type I secretion systemâ€"it takes three and a substrate. FEMS Microbiology Letters, 2018, 365, .	0.7	34
57	Positive co-operative activity and dimerization of the isolated ABC ATPase domain of HlyB from Escherichia coli. Biochemical Journal, 2005, 386, 489-495.	1.7	31
58	A bifunctional dermaseptinâ€"thanatin dipeptide functionalizes the crop surface for sustainable pest management. Green Chemistry, 2019, 21, 2316-2325.	4.6	31
59	Metal-Chelating Amino Acids As Building Blocks For Synthetic Receptors Sensing Metal Ions And Histidine-Tagged Proteins. ChemBioChem, 2003, 4, 1340-1344.	1.3	30
60	A Structural Basis for Substrate Selectivity and Stereoselectivity in Octopine Dehydrogenase from Pecten maximus. Journal of Molecular Biology, 2008, 381, 200-211.	2.0	30
61	Crystal structure of the transport unit of the autotransporter adhesin involved in diffuse adherence from Escherichia coli. Journal of Structural Biology, 2014, 187, 20-29.	1.3	30
62	Detergent Screening and Purification of the Human Liver ABC Transporters BSEP (ABCB11) and MDR3 (ABCB4) Expressed in the Yeast Pichia pastoris. PLoS ONE, 2013, 8, e60620.	1.1	30
63	Binding Region of Alanopine Dehydrogenase Predicted by Unbiased Molecular Dynamics Simulations of Ligand Diffusion. Journal of Chemical Information and Modeling, 2013, 53, 2493-2498.	2.5	29
64	Engineered fusion molecules at chelator lipid interfaces imaged by reflection interference contrast microscopy (RICM). Biosensors and Bioelectronics, 1995, 10, 805-812.	5.3	28
65	Engineering ATPase Activity in the Isolated ABC Cassette of Human TAP1. Journal of Biological Chemistry, 2006, 281, 27471-27480.	1.6	28
66	Systematic characterization of position one variants within the lantibiotic nisin. Scientific Reports, 2019, 9, 935.	1.6	28
67	Selfâ€immunity to antibacterial peptides by ABC transporters. FEBS Letters, 2020, 594, 3920-3942.	1.3	28
68	Biophysical Characterization of Nucleophosmin Interactions with Human Immunodeficiency Virus Rev and Herpes Simplex Virus US11. PLoS ONE, 2015, 10, e0143634.	1.1	27
69	A Mutation within the Extended X Loop Abolished Substrate-induced ATPase Activity of the Human Liver ATP-binding Cassette (ABC) Transporter MDR3. Journal of Biological Chemistry, 2015, 290, 4896-4907.	1.6	27
70	Resolving Hot Spots in the C-Terminal Dimerization Domain that Determine the Stability of the Molecular Chaperone Hsp90. PLoS ONE, 2014, 9, e96031.	1.1	27
71	IQGAP1 Interaction with RHO Family Proteins Revisited. Journal of Biological Chemistry, 2016, 291, 26364-26376.	1.6	26
72	Arg149 Is Involved in Switching the Low Affinity, Open State of the Binding Protein AfProX into Its High Affinity, Closed State. Journal of Molecular Biology, 2011, 411, 36-52.	2.0	25

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73	The multidrug transporter Pdr5: a molecular diode?. Biological Chemistry, 2011, 392, 53-60.	1.2	24
74	The crystal structure of the CRISPR-associated protein Csn2 from Streptococcus agalactiae. Journal of Structural Biology, 2012, 178, 350-362.	1.3	24
75	A novel mutation within a transmembrane helix of the bile salt export pump (<scp>BSEP</scp>,<scp>ABCB</scp>11) with delayed development of cirrhosis. Liver International, 2013, 33, 1527-1535.	1.9	24
76	Using an E. coli Type 1 secretion system to secrete the mammalian, intracellular protein IFABP in its active form. Journal of Biotechnology, 2012, 159, 155-161.	1.9	23
77	An Aeroplysinin-1 Specific Nitrile Hydratase Isolated from the Marine Sponge Aplysina cavernicola. Marine Drugs, 2013, 11, 3046-3067.	2.2	23
78	Equilibrium folding of pro-HlyA from Escherichia coli reveals a stable calcium ion dependent folding intermediate. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2014, 1844, 1500-1510.	1.1	23
79	ATP-LipidsProtein Anchor and Energy Source in Two DimensionsâŠ¥. Journal of the American Chemical Society, 1996, 118, 5532-5543.	6.6	22
80	Influence of detergents on the activity of the ABC transporter LmrA. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 2313-2321.	1.4	22
81	Structure of the Response Regulator NsrR from Streptococcus agalactiae, Which Is Involved in Lantibiotic Resistance. PLoS ONE, 2016, 11, e0149903.	1.1	22
82	In vivo quantification of the secretion rates of the hemolysin A Type I secretion system. Scientific Reports, 2016, 6, 33275.	1.6	22
83	In vitro NTPase activity of highly purified Pdr5, a major yeast ABC multidrug transporter. Scientific Reports, 2019, 9, 7761.	1.6	21
84	Mass spectrometryâ€based abundance atlas of ABC transporters in human liver, gut, kidney, brain and skin. FEBS Letters, 2020, 594, 4134-4150.	1.3	21
85	Structural analysis of the choline-binding protein ChoX in a semi-closed and ligand-free conformation. Biological Chemistry, 2009, 390, 1163-1170.	1.2	20
86	Molecular insights into type I secretion systems. Biological Chemistry, 2013, 394, 1371-1384.	1.2	20
87	FK506 Resistance of Saccharomyces cerevisiae Pdr5 and Candida albicans Cdr1 Involves Mutations in the Transmembrane Domains and Extracellular Loops. Antimicrobial Agents and Chemotherapy, 2019, 63, .	1.4	20
88	Nutrient exchange in arbuscular mycorrhizal symbiosis from a thermodynamic point of view. New Phytologist, 2019, 222, 1043-1053.	3.5	19
89	A Structural View on the Maturation of Lanthipeptides. Frontiers in Microbiology, 2020, 11, 1183.	1.5	19
90	The role of CAPS buffer in expanding the crystallization space of the nucleotide-binding domain of the ABC transporter haemolysin B fromEscherichia coli. Acta Crystallographica Section D: Biological Crystallography, 2004, 60, 1076-1084.	2.5	18

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91	Biochemical and Structural Analysis of the Bacillus subtilis ABC Transporter OpuA and Its Isolated Subunits. Journal of Molecular Microbiology and Biotechnology, 2005, 10, 76-91.	1.0	18
92	Insights into mechanism and functional consequences of heme binding to hemolysin-activating lysine acyltransferase HlyC from Escherichia coli. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 1964-1972.	1.1	18
93	The histidin-loop is essential for transport activity of human MDR3. A novel mutation of MDR3 in a patient with progressive familial intrahepatic cholestasis type 3. Gene, 2012, 506, 141-145.	1.0	17
94	Stoichiometry and structure of a lantibiotic maturation complex. Scientific Reports, 2017, 7, 42163.	1.6	17
95	Shaping the lipid composition of bacterial membranes for membrane protein production. Microbial Cell Factories, 2019, 18, 131.	1.9	17
96	Functional overexpression and in vitro re-association of OpuA, an osmotically regulated ABC-transport complex fromBacillus subtilis. FEBS Letters, 2005, 579, 5765-5768.	1.3	16
97	Synthesis and cytotoxic activities of goniothalamins and derivatives. Bioorganic and Medicinal Chemistry, 2017, 25, 6115-6125.	1.4	16
98	An A/U-Rich Enhancer Region Is Required for High-Level Protein Secretion through the HlyA Type I Secretion System. Applied and Environmental Microbiology, 2018, 84, .	1.4	16
99	Novel 3,4-Dihydroisocoumarins Inhibit Human P-gp and BCRP in Multidrug Resistant Tumors and Demonstrate Substrate Inhibition of Yeast Pdr5. Frontiers in Pharmacology, 2019, 10, 400.	1.6	16
100	Functional Impact of a Single Mutation within the Transmembrane Domain of the Multidrug ABC Transporter Pdr5. Biochemistry, 2013, 52, 2184-2195.	1.2	15
101	Interdomain regulation of the ATPase activity of the ABC transporter haemolysin B from Escherichia coli. Biochemical Journal, 2016, 473, 2471-2483.	1.7	15
102	ABCB4/MDR3 in health and disease â€“ at the crossroads of biochemistry and medicine. Biological Chemistry, 2019, 400, 1245-1259.	1.2	15
103	Structural comparison of the transport units of type V secretion systems. Biological Chemistry, 2013, 394, 1385-1398.	1.2	13
104	Analysis of the Bile Salt Export Pump (ABCB11) Interactome Employing Complementary Approaches. PLoS ONE, 2016, 11, e0159778.	1.1	13
105	The First View of an ABC Transporter: The X-ray Crystal Structure of MsbA from E. coli. ChemBioChem, 2002, 3, 161-165.	1.3	12
106	Insights into the Mechanism of Ligand Binding to Octopine Dehydrogenase from Pecten maximus by NMR and Crystallography. PLoS ONE, 2010, 5, e12312.	1.1	12
107	The Chlamydia pneumoniae Adhesin Pmp21 Forms Oligomers with Adhesive Properties. Journal of Biological Chemistry, 2016, 291, 22806-22818.	1.6	12
108	Functional Reconstitution of HlyB, a Type I Secretion ABC Transporter, in Saposin-A Nanoparticles. Scientific Reports, 2019, 9, 8436.	1.6	12

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109	Impact of the nisin modification machinery on the transport kinetics of NisT. Scientific Reports, 2020, 10, 12295.	1.6	12
110	Mutations affecting the extreme C terminus of Escherichia coli haemolysin A reduce haemolytic activity by altering the folding of the toxin. Microbiology (United Kingdom), 2010, 156, 2495-2505.	0.7	11
111	Heterologous Overexpression and Mutagenesis of the Human Bile Salt Export Pump (ABCB11) Using DREAM (Directed REcombination-Assisted Mutagenesis). PLoS ONE, 2011, 6, e20562.	1.1	11
112	A simple in vitro acylation assay based on optimized HlyA and HlyC purification. Analytical Biochemistry, 2014, 464, 17-23.	1.1	11
113	Functional expression, purification, and biochemical properties of subtilase SprP from Pseudomonas aeruginosa. MicrobiologyOpen, 2015, 4, 743-752.	1.2	11
114	Cloning and expression of selected ABC transporters from the Arabidopsis thaliana ABCG family in Pichia pastoris. PLoS ONE, 2019, 14, e0211156.	1.1	11
115	Evidence for a credit-card-swipe mechanism in the human PC floppase ABCB4. Structure, 2021, 29, 1144-1155.e5.	1.6	11
116	Insights in the Antimicrobial Potential of the Natural Nisin Variant Nisin H. Frontiers in Microbiology, 2020, 11, 573614.	1.5	10
117	Partial external biliary diversion in bile salt export pump deficiency: Association between outcome and mutation. World Journal of Gastroenterology, 2017, 23, 5295.	1.4	9
118	Secretion of slow-folding proteins by a Type 1 secretion system. Bioengineered, 2012, 3, 289-292.	1.4	8
119	Control of <scp>d</scp>-octopine formation in scallop adductor muscle as revealed through thermodynamic studies of octopine dehydrogenase. Journal of Experimental Biology, 2012, 215, 1515-1522.	0.8	8
120	Scaleâ€up of a Type I secretion system in E. coli using a defined mineral medium. Biotechnology Progress, 2020, 36, e2911.	1.3	8
121	Biochemical and structural characterization of murine GBP7, a guanylate binding protein with an elongated C-terminal tail. Biochemical Journal, 2019, 476, 3161-3182.	1.7	8
122	Biotechnological applications of type 1 secretion systems. Biotechnology Advances, 2021, 53, 107864.	6.0	8
123	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
124	An A666G mutation in transmembrane helix 5 of the yeast multidrug transporter Pdr5 increases drug efflux by enhancing cooperativity between transport sites. Molecular Microbiology, 2019, 112, 1131-1144.	1.2	7
125	Stimulation of ABCB4/MDR3 ATPase activity requires an intact phosphatidylcholine lipid. Journal of Lipid Research, 2020, 61, 1605-1616.	2.0	7
126	Numaswitch: an efficient high-titer expression platform to produce peptides and small proteins. AMB Express, 2021, 11, 48.	1.4	7

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127	Importance of the leader peptide sequence on the lanthipeptide secretion level. FEBS Journal, 2021, 288, 4348-4363.	2.2	6
128	Flipping and other astonishing transporter dance moves in fungal drug resistance. BioEssays, 2022, 44, e2200035.	1.2	6
129	A New Twist in ABC Transporter Mediated Multidrug Resistance â€“ Pdr5 is a Drug/proton Co-transporter. Journal of Molecular Biology, 2022, 434, 167669.	2.0	6
130	The many facets of bile acids in the physiology and pathophysiology of the human liver. Biological Chemistry, 2021, 402, 1047-1062.	1.2	5
131	Lethal (2) giant discs (Lgd)/CC2D1 is required for the full activity of the ESCRT machinery. BMC Biology, 2020, 18, 200.	1.7	5
132	A phospholipase B from Pseudomonas aeruginosa with activity towards endogenous phospholipids affects biofilm assembly. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2022, 1867, 159101.	1.2	5
133	Synthesis of 5-oxyquinoline derivatives for reversal of multidrug resistance. Beilstein Journal of Organic Chemistry, 2012, 8, 1700-1704.	1.3	4
134	New examples of membrane protein expression and purification using the yeast based Pdr1-3 expression strategy. Journal of Biotechnology, 2014, 191, 158-164.	1.9	4
135	Identity Determinants of the Translocation Signal for a Type 1 Secretion System. Frontiers in Physiology, 2021, 12, 804646.	1.3	4
136	Addendum to â€œA structural classification of substrateâ€binding proteinsâ€•[FEBS Lett. 584 (2010) 2606â€“2617]. FEBS Letters, 2010, 584, 4373-4373.	1.3	3
137	1H, 15N and 13C resonance assignment of the N-terminal C39 peptidase-like domain of the ABC transporter Haemolysin B (HlyB). Biomolecular NMR Assignments, 2011, 5, 199-201.	0.4	3
138	Transmitting the energy: interdomain cross-talk in Pdr5. Biological Chemistry, 2017, 398, 145-154.	1.2	3
139	Type I Secretion Systems-One Mechanism for All?. , 2019, , 215-225.		3
140	Monomeric bile acids modulate the ATPase activity of detergent-solubilized ABCB4/MDR3. Journal of Lipid Research, 2021, 62, 100087.	2.0	3
141	Optimized Hemolysin Type 1 Secretion System in Escherichia coli by Directed Evolution of the Hly Enhancer Fragment and Including a Terminator Region. ChemBioChem, 2022, , .	1.3	3
142	A MademoiseLLE domain binding platform links the key RNA transporter to endosomes. PLoS Genetics, 2022, 18, e1010269.	1.5	3
143	Rational and Irrational Approaches to Convince a Protein to Crystallize. , 2012, , .		2
144	Purification, crystallization and preliminary X-ray crystallographic analysis of the transport unit of the monomeric autotransporter AIDA-I fromEscherichia coli. Acta Crystallographica Section F: Structural Biology Communications, 2013, 69, 1159-1162.	0.7	2

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145	Analyzing the Physico-Chemical Parameters of Detergents and Detergent Mixtures. Advances in Chemical Engineering and Science, 2015, 05, 328-337.	0.2	2
146	General Introduction, Structure and Likely Mechanism of Action of ABC Transport Proteins. , 2011, , 1-27.		1
147	Proteins and Their Ligands: Their Importance and How to Crystallize Them. , 2013, , .		1
148	Highlight: Membrane transport and beyond. Biological Chemistry, 2012, 393, 1201-1202.	1.2	0
149	Highlight: NRW Research School BioStruct â€“ Biological Structures in Molecular Medicine and Biotechnology. Biological Chemistry, 2013, 394, 1353-1355.	1.2	0
150	Highlight: Membrane transport on the move. Biological Chemistry, 2014, 395, 1363-1364.	1.2	0
151	In vitro investigations of ABC transporters of the human liver â€“ advantages and surprises. European Journal of Medical Research, 2014, 19, .	0.9	0
152	Identification of new interaction partners of the human ABC transporter MDR3. European Journal of Medical Research, 2014, 19, .	0.9	0
153	Posttranslational regulation of the bile salt export pump. European Journal of Medical Research, 2014, 19, .	0.9	0
154	Highlight: the transporter colloquium â€“ spotlight on membrane proteins. Biological Chemistry, 2017, 398, 143-143.	1.2	0
155	Vitamin B12 import is all about timing. Nature Chemical Biology, 2018, 14, 640-641.	3.9	0
156	Die NRW-Forschungsschule BioStruct â€“ Neue Wege interdisziplinÃrer Graduiertenausbildung an der Heinrich-Heine-UniversitÃt DÃ¼sseldorf. , 2021, , 555-562.		0
157	Quantification and Surface Localization of the Hemolysin A Type I Secretion System at the Endogenous Level and under Conditions of Overexpression. Applied and Environmental Microbiology, 2022, 88, AEM0189621.	1.4	0