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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

51
papers

2,005
citations

27
h-index

44
g-index

73
ext. papers

2,171
ext. citations

6.3
avg, IF

4.87
L-index

#	Paper	IF	Citations
51	FtsY, the prokaryotic signal recognition particle receptor homologue, is essential for biogenesis of membrane proteins. <i>Journal of Biological Chemistry</i> , 1997 , 272, 2053-5	5.4	127
50	A single membrane-embedded negative charge is critical for recognizing positively charged drugs by the Escherichia coli multidrug resistance protein MdfA. <i>EMBO Journal</i> , 1999 , 18, 822-32	13	119
49	Alkalitolerance: a biological function for a multidrug transporter in pH homeostasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 14073-8	11.5	101
48	Bacterial multidrug transport through the lens of the major facilitator superfamily. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2009 , 1794, 738-47	4	96
47	New prospects in studying the bacterial signal recognition particle pathway. <i>Molecular Microbiology</i> , 2000 , 38, 927-39	4.1	95
46	Dissection of mechanistic principles of a secondary multidrug efflux protein. <i>Molecular Cell</i> , 2012 , 47, 777-87	17.6	85
45	Escherichia coli signal recognition particle receptor FtsY contains an essential and autonomous membrane-binding amphipathic helix. <i>Journal of Biological Chemistry</i> , 2007 , 282, 32176-84	5.4	83
44	Do physiological roles foster persistence of drug/multidrug-efflux transporters? A case study. <i>Nature Reviews Microbiology</i> , 2005 , 3, 566-72	22.2	79
43	Evidence for simultaneous binding of dissimilar substrates by the Escherichia coli multidrug transporter MdfA. <i>Biochemistry</i> , 2001 , 40, 12612-8	3.2	73
42	The Escherichia coli 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, 1667-72	11.5	71
41	Studying membrane proteins through the eyes of the genetic code revealed a strong uracil bias in their coding mRNAs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 6662-6	11.5	66
40	Accumulation of endoplasmic membranes and novel membrane-bound ribosome-signal recognition particle receptor complexes in Escherichia coli. <i>Journal of Cell Biology</i> , 2002 , 159, 403-10	7.3	60
39	mRNA-programmed translation pauses in the targeting of E. coli membrane proteins. <i>ELife</i> , 2014 , 3,	8.9	60
38	Translation- and SRP-independent mRNA targeting to the endoplasmic reticulum in the yeast <i>Saccharomyces cerevisiae</i> . <i>Molecular Biology of the Cell</i> , 2013 , 24, 3069-84	3.5	57
37	Promiscuity in multidrug recognition and transport: the bacterial MFS Mdr transporters. <i>Molecular Microbiology</i> , 2006 , 61, 277-84	4.1	56
36	Determinants of substrate recognition by the Escherichia coli multidrug transporter MdfA identified on both sides of the membrane. <i>Journal of Biological Chemistry</i> , 2004 , 279, 8957-65	5.4	54
35	The core Escherichia coli signal recognition particle receptor contains only the N and G domains of FtsY. <i>Journal of Bacteriology</i> , 2004 , 186, 2492-4	3.5	50

34	Role of a conserved membrane-embedded acidic residue in the multidrug transporter MdfA. <i>Biochemistry</i> , 2004 , 43, 518-25	3.2	45
33	Membrane targeting of ribosomes and their release require distinct and separable functions of FtsY. <i>Journal of Biological Chemistry</i> , 2007 , 282, 32168-75	5.4	39
32	Evidence for coupling of membrane targeting and function of the signal recognition particle (SRP) receptor FtsY. <i>EMBO Reports</i> , 2001 , 2, 1040-6	6.5	39
31	3D model of the Escherichia coli multidrug transporter MdfA reveals an essential membrane-embedded positive charge. <i>Biochemistry</i> , 2005 , 44, 14870-80	3.2	38
30	Promiscuity in the geometry of electrostatic interactions between the Escherichia coli multidrug resistance transporter MdfA and cationic substrates. <i>Journal of Biological Chemistry</i> , 2005 , 280, 2721-9	5.4	37
29	Early targeting events during membrane protein biogenesis in Escherichia coli. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011 , 1808, 841-50	3.8	36
28	Putative integral membrane SRP receptors. <i>Trends in Biochemical Sciences</i> , 2001 , 26, 15-6	10.3	35
27	The secondary multidrug/proton antiporter MdfA tolerates displacements of an essential negatively charged side chain. <i>Journal of Biological Chemistry</i> , 2009 , 284, 6966-71	5.4	29
26	Identification and characterization of the Escherichia coli stress protein UP12, a putative in vivo substrate of GroEL. <i>FEBS Journal</i> , 2002 , 269, 3032-40		29
25	Is there a twist in the Escherichia coli signal recognition particle pathway?. <i>Trends in Biochemical Sciences</i> , 2012 , 37, 1-6	10.3	27
24	Manipulating the drug/proton antiport stoichiometry of the secondary multidrug transporter MdfA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 12473-8	11.5	27
23	Membrane topology of the multidrug transporter MdfA: complementary gene fusion studies reveal a nonessential C-terminal domain. <i>Journal of Bacteriology</i> , 2002 , 184, 3313-20	3.5	26
22	Export of a single drug molecule in two transport cycles by a multidrug efflux pump. <i>Nature Communications</i> , 2014 , 5, 4615	17.4	25
21	MdfA from Escherichia coli, a model protein for studying secondary multidrug transport. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2006 , 11, 308-17	0.9	25
20	No single irreplaceable acidic residues in the Escherichia coli secondary multidrug transporter MdfA. <i>Journal of Bacteriology</i> , 2006 , 188, 5635-9	3.5	23
19	Genetic evidence for functional interaction of the Escherichia coli signal recognition particle receptor with acidic lipids in vivo. <i>Journal of Biological Chemistry</i> , 2010 , 285, 40508-14	5.4	21
18	A New Critical Conformational Determinant of Multidrug Efflux by an MFS Transporter. <i>Journal of Molecular Biology</i> , 2018 , 430, 1368-1385	6.5	20
17	The fascinating but mysterious mechanistic aspects of multidrug transport by MdfA from Escherichia coli. <i>Research in Microbiology</i> , 2018 , 169, 455-460	4	19

16	Membrane protein biogenesis in Ffh- or FtsY-depleted Escherichia coli. <i>PLoS ONE</i> , 2010 , 5, e9130	3.7	17
15	E. coli multidrug transporter MdfA is a monomer. <i>Biochemistry</i> , 2007 , 46, 5200-8	3.2	17
14	Escherichia coli SRP, its protein subunit Ffh, and the Ffh M domain are able to selectively limit membrane protein expression when overexpressed. <i>MBio</i> , 2010 , 1,	7.8	16
13	A promiscuous conformational switch in the secondary multidrug transporter MdfA. <i>Journal of Biological Chemistry</i> , 2009 , 284, 32296-304	5.4	16
12	Probing the solution structure of the E. coli multidrug transporter MdfA using DEER distance measurements with nitroxide and Gd(III) spin labels. <i>Scientific Reports</i> , 2019 , 9, 12528	4.9	14
11	Model Uracil-Rich RNAs and Membrane Protein mRNAs Interact Specifically with Cold Shock Proteins in Escherichia coli. <i>PLoS ONE</i> , 2015 , 10, e0134413	3.7	12
10	Co-translational membrane association of the Escherichia coli SRP receptor. <i>Journal of Cell Science</i> , 2015 , 128, 1444-52	5.3	11
9	The Multidrug Transporter MdfA Deviates from the Canonical Model of Alternating Access of MFS Transporters. <i>Journal of Molecular Biology</i> , 2020 , 432, 5665-5680	6.5	8
8	Co-translational Folding Intermediate Dictates Membrane Targeting of the Signal Recognition Particle Receptor. <i>Journal of Molecular Biology</i> , 2018 , 430, 1607-1620	6.5	7
7	Evidence for a cytoplasmic pool of ribosome-free mRNAs encoding inner membrane proteins in Escherichia coli. <i>PLoS ONE</i> , 2017 , 12, e0183862	3.7	7
6	The bioterrorism threat and dual-use biotechnological research: an Israeli perspective. <i>Science and Engineering Ethics</i> , 2010 , 16, 85-97	3.1	4
5	Author response: mRNA-programmed translation pauses in the targeting of E. coli membrane proteins 2014 ,		2
4	Substrate binding in the multidrug transporter MdfA in detergent solution and in lipid nanodiscs. <i>Biophysical Journal</i> , 2021 , 120, 1984-1993	2.9	2
3	Co-translational membrane targeting and holo-translocon docking of ribosomes translating the SRP receptor.. <i>Journal of Molecular Biology</i> , 2022 , 434, 167459	6.5	
2	Divide and conquer: processive transport enables multidrug transporters to tackle challenging drugs. <i>Microbial Cell</i> , 2014 , 1, 349-351	3.9	
1	Co-and Posttranslational Protein Targeting to the SecYEG Translocon in Escherichia coli1-15		