Eitan Bibi

List of Publications by Year in descending order

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50 papers	2,278 citations	201674 27 h-index	214800 47 g-index
73 all docs	73 docs citations	73 times ranked	1776 citing authors

#	Article	IF	Citations
1	Co-Translational Membrane Targeting and Holo-Translocon Docking of Ribosomes Translating the SRP Receptor. Journal of Molecular Biology, 2022, 434, 167459.	4.2	2
2	Substrate binding in the multidrug transporter MdfA in detergent solution and in lipid nanodiscs. Biophysical Journal, 2021, 120, 1984-1993.	0.5	3
3	The Multidrug Transporter MdfA Deviates from the Canonical Model of Alternating Access of MFS Transporters. Journal of Molecular Biology, 2020, 432, 5665-5680.	4.2	16
4	Probing the solution structure of the E. coli multidrug transporter MdfA using DEER distance measurements with nitroxide and Gd(III) spin labels. Scientific Reports, 2019, 9, 12528.	3.3	23
5	Co-translational Folding Intermediate Dictates Membrane Targeting of the Signal Recognition Particle Receptor. Journal of Molecular Biology, 2018, 430, 1607-1620.	4.2	8
6	A New Critical Conformational Determinant of Multidrug Efflux by an MFS Transporter. Journal of Molecular Biology, 2018, 430, 1368-1385.	4.2	27
7	The fascinating but mysterious mechanistic aspects of multidrug transport by MdfA from Escherichia coli. Research in Microbiology, 2018, 169, 455-460.	2.1	25
8	Evidence for a cytoplasmic pool of ribosome-free mRNAs encoding inner membrane proteins in Escherichia coli. PLoS ONE, 2017, 12, e0183862.	2.5	12
9	Model Uracil-Rich RNAs and Membrane Protein mRNAs Interact Specifically with Cold Shock Proteins in Escherichia coli. PLoS ONE, 2015, 10, e0134413.	2.5	19
10	Co-translational membrane association of the Escherichia coli SRP receptor. Journal of Cell Science, 2015, 128, 1444-1452.	2.0	11
11	Export of a single drug molecule in two transport cycles by a multidrug efflux pump. Nature Communications, 2014, 5, 4615.	12.8	28
12	mRNA-programmed translation pauses in the targeting of E. coli membrane proteins. ELife, 2014, 3, .	6.0	71
13	Divide and conquer: processive transport enables multidrug transporters to tackle challenging drugs. Microbial Cell, 2014, 1, 349-351.	3.2	0
14	Translation- and SRP-independent mRNA targeting to the endoplasmic reticulum in the yeast Saccharomyces cerevisiae. Molecular Biology of the Cell, 2013, 24, 3069-3084.	2.1	66
15	Manipulating the drug/proton antiport stoichiometry of the secondary multidrug transporter MdfA. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 12473-12478.	7.1	36
16	Dissection of Mechanistic Principles of a Secondary Multidrug Efflux Protein. Molecular Cell, 2012, 47, 777-787.	9.7	99
17	Is there a twist in the Escherichia coli signal recognition particle pathway?. Trends in Biochemical Sciences, 2012, 37, 1-6.	7.5	28
18	Early targeting events during membrane protein biogenesis in Escherichia coli. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 841-850.	2.6	37

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19	The Bioterrorism Threat and Dual-use Biotechnological Research: An Israeli Perspective. Science and Engineering Ethics, 2010, 16, 85-97.	2.9	5
20	Membrane Protein Biogenesis in Ffh- or FtsY-Depleted Escherichia coli. PLoS ONE, 2010, 5, e9130.	2.5	18
21	Genetic Evidence for Functional Interaction of the Escherichia coli Signal Recognition Particle Receptor with Acidic Lipids in Vivo. Journal of Biological Chemistry, 2010, 285, 40508-40514.	3.4	24
22	Escherichia coli SRP, Its Protein Subunit Ffh, and the Ffh M Domain Are Able To Selectively Limit Membrane Protein Expression When Overexpressed. MBio, 2010, 1, .	4.1	18
23	The Secondary Multidrug/Proton Antiporter MdfA Tolerates Displacements of an Essential Negatively Charged Side Chain. Journal of Biological Chemistry, 2009, 284, 6966-6971.	3.4	34
24	A Promiscuous Conformational Switch in the Secondary Multidrug Transporter MdfA. Journal of Biological Chemistry, 2009, 284, 32296-32304.	3.4	17
25	Studying membrane proteins through the eyes of the genetic code revealed a strong uracil bias in their coding mRNAs. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 6662-6666.	7.1	87
26	Bacterial multidrug transport through the lens of the major facilitator superfamily. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2009, 1794, 738-747.	2.3	110
27	Membrane Targeting of Ribosomes and Their Release Require Distinct and Separable Functions of FtsY. Journal of Biological Chemistry, 2007, 282, 32168-32175.	3.4	42
28	Escherichia coli Signal Recognition Particle Receptor FtsY Contains an Essential and Autonomous Membrane-binding Amphipathic Helix. Journal of Biological Chemistry, 2007, 282, 32176-32184.	3.4	93
29	E. coli Multidrug Transporter MdfA Is a Monomer. Biochemistry, 2007, 46, 5200-5208.	2.5	20
30	Promiscuity in multidrug recognition and transport:â€¨ the bacterial MFS Mdr transporters. Molecular Microbiology, 2006, 61, 277-284.	2.5	70
31	No Single Irreplaceable Acidic Residues in the Escherichia coli Secondary Multidrug Transporter MdfA. Journal of Bacteriology, 2006, 188, 5635-5639.	2.2	25
32	MdfA from <i>Escherichia coli</i>, a Model Protein for Studying Secondary Multidrug Transport. Journal of Molecular Microbiology and Biotechnology, 2006, 11, 308-317.	1.0	25
33	Do physiological roles foster persistence of drug/multidrug-efflux transporters? A case study. Nature Reviews Microbiology, 2005, 3, 566-572.	28.6	86
34	Promiscuity in the Geometry of Electrostatic Interactions between the Escherichia coli Multidrug Resistance Transporter MdfA and Cationic Substrates. Journal of Biological Chemistry, 2005, 280, 2721-2729.	3.4	43
35	3D Model of the Escherichia coli Multidrug Transporter MdfA Reveals an Essential Membrane-Embedded Positive Charge. Biochemistry, 2005, 44, 14870-14880.	2.5	41
36	Determinants of Substrate Recognition by the Escherichia coli Multidrug Transporter MdfA Identified on Both Sides of the Membrane. Journal of Biological Chemistry, 2004, 279, 8957-8965.	3.4	60

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37	Alkalitolerance: A biological function for a multidrug transporter in pH homeostasis. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 14073-14078.	7.1	108
38	The Core Escherichia coli Signal Recognition Particle Receptor Contains Only the N and G Domains of FtsY. Journal of Bacteriology, 2004, 186, 2492-2494.	2.2	52
39	Role of a Conserved Membrane-Embedded Acidic Residue in the Multidrug Transporter MdfA. Biochemistry, 2004, 43, 518-525.	2.5	48
40	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
41	Accumulation of endoplasmic membranes and novel membrane-bound ribosomeâ€“signal recognition particle receptor complexes in Escherichia coli. Journal of Cell Biology, 2002, 159, 403-410.	5.2	66
42	Membrane Topology of the Multidrug Transporter MdfA: Complementary Gene Fusion Studies Reveal a Nonessential C-Terminal Domain. Journal of Bacteriology, 2002, 184, 3313-3320.	2.2	28
43	New prospects in studying the bacterial signal recognition particle pathway. Molecular Microbiology, 2002, 38, 927-939.	2.5	105
44	Identification and characterization of the Escherichia coli stress protein UP12, a putative in vivo substrate of GroEL. FEBS Journal, 2002, 269, 3032-3040.	0.2	30
45	Evidence for Simultaneous Binding of Dissimilar Substrates by the Escherichia coli Multidrug Transporter MdfA. Biochemistry, 2001, 40, 12612-12618.	2.5	79
46	Evidence for coupling of membrane targeting and function of the signal recognition particle (SRP) receptor FtsY. EMBO Reports, 2001, 2, 1040-1046.	4.5	42
47	Putative integral membrane SRP receptors. Trends in Biochemical Sciences, 2001, 26, 15-16.	7.5	36
48	A single membrane-embedded negative charge is critical for recognizing positively charged drugs by the Escherichia coli multidrug resistance protein MdfA. EMBO Journal, 1999, 18, 822-832.	7.8	127
49	FtsY, the Prokaryotic Signal Recognition Particle Receptor Homologue, Is Essential for Biogenesis of Membrane Proteins. Journal of Biological Chemistry, 1997, 272, 2053-2055.	3.4	146
50	Co-and Posttranslational Protein Targeting to the SecYEG Translocon inEscherichia coli. , 0, , 1-15.		0