

Carol Deutsch

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,045
citations

687363

13
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

992
citing authors

#	ARTICLE	IF	CITATIONS
1	Tertiary interactions within the ribosomal exit tunnel. <i>Nature Structural and Molecular Biology</i> , 2009, 16, 405-411.	8.2	117
2	Metabolic changes in activated T cells: An NMR study of human peripheral blood lymphocytes. <i>Magnetic Resonance in Medicine</i> , 1993, 29, 317-326.	3.0	114
3	Potassium Channel Ontogeny. <i>Annual Review of Physiology</i> , 2002, 64, 19-46.	13.1	107
4	Mapping the Electrostatic Potential within the Ribosomal Exit Tunnel. <i>Journal of Molecular Biology</i> , 2007, 371, 1378-1391.	4.2	103
5	The Birth of a Channel. <i>Neuron</i> , 2003, 40, 265-276.	8.1	94
6	Secondary Structure Formation of a Transmembrane Segment in Kv Channels. <i>Biochemistry</i> , 2005, 44, 8230-8243.	2.5	92
7	Pegylation: A Method for Assessing Topological Accessibilities in Kv1.3. <i>Biochemistry</i> , 2001, 40, 13288-13301.	2.5	86
8	T1-T1 Interactions Occur in ER Membranes while Nascent Kv Peptides Are Still Attached to Ribosomes. <i>Biochemistry</i> , 2001, 40, 10934-10946.	2.5	74
9	A Folding Zone in the Ribosomal Exit Tunnel for Kv1.3 Helix Formation. <i>Journal of Molecular Biology</i> , 2010, 396, 1346-1360.	4.2	69
10	Transmembrane Segments Form Tertiary Hairpins in the Folding Vestibule of the Ribosome. <i>Journal of Molecular Biology</i> , 2014, 426, 185-198.	4.2	52
11	Origins of the Mechanochemical Coupling of Peptide Bond Formation to Protein Synthesis. <i>Journal of the American Chemical Society</i> , 2018, 140, 5077-5087.	13.7	36
12	Contraction in a muscle with negligible sarcoplasmic reticulum: The longitudinal retractor of the sea cucumber <i>Sostichopus badionotus</i> (Selenka), holothuria aspidochirota. <i>The Journal of Experimental Zoology</i> , 1978, 206, 137-150.	1.4	35
13	Ribosome Elongation Kinetics of Consecutively Charged Residues Are Coupled to Electrostatic Force. <i>Biochemistry</i> , 2021, 60, 3223-3235.	2.5	18
14	Mechanochemistry in Translation. <i>Biochemistry</i> , 2019, 58, 4657-4666.	2.5	15
15	Regional Discrimination and Propagation of Local Rearrangements along the Ribosomal Exit Tunnel. <i>Journal of Molecular Biology</i> , 2014, 426, 4061-4073.	4.2	9
16	Determinants of Helix Formation for a Kv1.3 Transmembrane Segment inside the Ribosome Exit Tunnel. <i>Journal of Molecular Biology</i> , 2017, 429, 1722-1732.	4.2	9
17	Effect of Nascent Peptide Steric Bulk on Elongation Kinetics in the Ribosome Exit Tunnel. <i>Journal of Molecular Biology</i> , 2017, 429, 1873-1888.	4.2	7
18	The activation gate controls steady-state inactivation and recovery from inactivation in <i>Shaker</i> . <i>Journal of General Physiology</i> , 2020, 152, .	1.9	7

#	ARTICLE	IF	CITATIONS
19	Forcing the ribosome to change its message. Journal of Biological Chemistry, 2020, 295, 6809-6810.	3.4	1
20	Nascent Chain Folding of Potassium Channels.. FASEB Journal, 2006, 20, A890.	0.5	0