Teresa M Buck

List of Publications by Year
in descending order

22 papers	579 citations	687363 13 h-index	713466 21 g-index
22 all docs	22 docs citations	22 times ranked	788 citing authors

#	Article	IF	Citations
1	The Endoplasmic Reticulumâ€“associated Degradation of the Epithelial Sodium Channel Requires a Unique Complement of Molecular Chaperones. Molecular Biology of the Cell, 2010, 21, 1047-1058.	2.1	81
2	The activities and function of molecular chaperones in the endoplasmic reticulum. Seminars in Cell and Developmental Biology, 2007, 18, 751-761.	5.0	70
3	A novel tripartite motif involved in aquaporin topogenesis, monomer folding and tetramerization. Nature Structural and Molecular Biology, 2007, 14, 762-769.	8.2	61
4	The Lhs1/GRP170 Chaperones Facilitate the Endoplasmic Reticulum-associated Degradation of the Epithelial Sodium Channel. Journal of Biological Chemistry, 2013, 288, 18366-18380.	3.4	47
5	Evidence for stabilization of aquaporin-2 folding mutants byN-linked glycosylation in endoplasmic reticulum. American Journal of Physiology - Cell Physiology, 2004, 287, C1292-C1299.	4.6	43
6	Cooperativity and Flexibility of Cystic Fibrosis Transmembrane Conductance Regulator Transmembrane Segments Participate in Membrane Localization of a Charged Residue. Journal of Biological Chemistry, 2002, 277, 39507-39514.	3.4	35
7	Differential Stability of Biogenesis Intermediates Reveals a Common Pathway for Aquaporin-1 Topological Maturation. Journal of Biological Chemistry, 2005, 280, 261-269.	3.4	30
8	Aberrant Folding of a Mutant Stat5b Causes Growth Hormone Insensitivity and Proteasomal Dysfunction. Journal of Biological Chemistry, 2006, 281, 6552-6558.	3.4	28
9	Escaping the endoplasmic reticulum: why does a molecular chaperone leave home for greener pastures?. EMBO Journal, 2015, 34, 1-3.	7.8	28
10	N-linked glycans are required on epithelial Na⁺channel subunits for maturation and surface expression. American Journal of Physiology - Renal Physiology, 2018, 314, F483-F492.	2.7	24
11	Interactions between intersubunit transmembrane domains regulate the chaperone-dependent degradation of an oligomeric membrane protein. Biochemical Journal, 2017, 474, 357-376.	3.7	23
12	Epithelial sodium channel biogenesis and quality control in the early secretory pathway. Current Opinion in Nephrology and Hypertension, 2018, 27, 364-372.	2.0	17
13	Saccharomyces cerivisiae as a model system for kidney disease: what can yeast tell us about renal function?. American Journal of Physiology - Renal Physiology, 2011, 301, F1-F11.	2.7	16
14	Hsp104 facilitates the endoplasmicâ€reticulumâ€“associated degradation of diseaseâ€associated and aggregationâ€prone substrates. Protein Science, 2019, 28, 1290-1306.	7.6	16
15	Regulation of the epithelial Na+ channel by paraoxonase-2. Journal of Biological Chemistry, 2017, 292, 15927-15938.	3.4	13
16	Functional Roles of Clusters of Hydrophobic and Polar Residues in the Epithelial Na+ Channel Knuckle Domain. Journal of Biological Chemistry, 2015, 290, 25140-25150.	3.4	11
17	The molecular chaperone GRP170 protects against ER stress and acute kidney injury in mice. JCI Insight, 2022, 7, .	5.0	11
18	Expression of three topologically distinct membrane proteins elicits unique stress response pathways in the yeastSaccharomyces cerevisiae. Physiological Genomics, 2015, 47, 198-214.	2.3	10

#	Article	IF	Citations
19	Thumb domains of the three epithelial Na+ channel subunits have distinct functions. Journal of Biological Chemistry, 2018, 293, 17582-17592.	3.4	6
20	The Capture of a Disabled Proteasome Identifies Erg25 as a Substrate for Endoplasmic Reticulum Associated Degradation. Molecular and Cellular Proteomics, 2020, 19, 1896-1909.	3.8	5
21	Paraoxonase 2 is an ER chaperone that regulates the epithelial Na⁺ channel. American Journal of Physiology - Cell Physiology, 2022, 322, C111-C121.	4.6	4
22	Epithelial Ion Channel Folding and ER-Associated Degradation (ERAD). Physiology in Health and Disease, 2020, , 207-247.	0.3	0