

# Teresa M Buck

## List of Publications by Year in descending order

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22  
papers

579  
citations

687363

13  
h-index

713466

21  
g-index

22  
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22  
docs citations

22  
times ranked

788  
citing authors

#	ARTICLE	IF	CITATIONS
1	Paraoxonase 2 is an ER chaperone that regulates the epithelial Na <sup>+</sup> channel. <i>American Journal of Physiology - Cell Physiology</i> , 2022, 322, C111-C121.	4.6	4
2	The molecular chaperone GRP170 protects against ER stress and acute kidney injury in mice. <i>JCI Insight</i> , 2022, 7, .	5.0	11
3	The Capture of a Disabled Proteasome Identifies Erg25 as a Substrate for Endoplasmic Reticulum Associated Degradation. <i>Molecular and Cellular Proteomics</i> , 2020, 19, 1896-1909.	3.8	5
4	Epithelial Ion Channel Folding and ER-Associated Degradation (ERAD). <i>Physiology in Health and Disease</i> , 2020, , 207-247.	0.3	0
5	Hsp104 facilitates the endoplasmicâ€reticulumâ€associated degradation of diseaseâ€associated and aggregationâ€prone substrates. <i>Protein Science</i> , 2019, 28, 1290-1306.	7.6	16
6	<i>N</i>-linked glycans are required on epithelial Na <sup>+</sup> channel subunits for maturation and surface expression. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 314, F483-F492.	2.7	24
7	Epithelial sodium channel biogenesis and quality control in the early secretory pathway. <i>Current Opinion in Nephrology and Hypertension</i> , 2018, 27, 364-372.	2.0	17
8	Thumb domains of the three epithelial Na <sup>+</sup> channel subunits have distinct functions. <i>Journal of Biological Chemistry</i> , 2018, 293, 17582-17592.	3.4	6
9	Interactions between intersubunit transmembrane domains regulate the chaperone-dependent degradation of an oligomeric membrane protein. <i>Biochemical Journal</i> , 2017, 474, 357-376.	3.7	23
10	Regulation of the epithelial Na <sup>+</sup> channel by paraoxonase-2. <i>Journal of Biological Chemistry</i> , 2017, 292, 15927-15938.	3.4	13
11	Expression of three topologically distinct membrane proteins elicits unique stress response pathways in the yeast <i>Saccharomyces cerevisiae</i>. <i>Physiological Genomics</i> , 2015, 47, 198-214.	2.3	10
12	Functional Roles of Clusters of Hydrophobic and Polar Residues in the Epithelial Na <sup>+</sup> Channel Knuckle Domain. <i>Journal of Biological Chemistry</i> , 2015, 290, 25140-25150.	3.4	11
13	Escaping the endoplasmic reticulum: why does a molecular chaperone leave home for greener pastures?. <i>EMBO Journal</i> , 2015, 34, 1-3.	7.8	28
14	The Lhs1/GRP170 Chaperones Facilitate the Endoplasmic Reticulum-associated Degradation of the Epithelial Sodium Channel. <i>Journal of Biological Chemistry</i> , 2013, 288, 18366-18380.	3.4	47
15	<i>Saccharomyces cerevisiae</i> as a model system for kidney disease: what can yeast tell us about renal function?. <i>American Journal of Physiology - Renal Physiology</i> , 2011, 301, F1-F11.	2.7	16
16	The Endoplasmic Reticulumâ€associated Degradation of the Epithelial Sodium Channel Requires a Unique Complement of Molecular Chaperones. <i>Molecular Biology of the Cell</i> , 2010, 21, 1047-1058.	2.1	81
17	The activities and function of molecular chaperones in the endoplasmic reticulum. <i>Seminars in Cell and Developmental Biology</i> , 2007, 18, 751-761.	5.0	70
18	A novel tripartite motif involved in aquaporin topogenesis, monomer folding and tetramerization. <i>Nature Structural and Molecular Biology</i> , 2007, 14, 762-769.	8.2	61

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19	Aberrant Folding of a Mutant Stat5b Causes Growth Hormone Insensitivity and Proteasomal Dysfunction. <i>Journal of Biological Chemistry</i> , 2006, 281, 6552-6558.	3.4	28
20	Differential Stability of Biogenesis Intermediates Reveals a Common Pathway for Aquaporin-1 Topological Maturation. <i>Journal of Biological Chemistry</i> , 2005, 280, 261-269.	3.4	30
21	Evidence for stabilization of aquaporin-2 folding mutants by N-linked glycosylation in endoplasmic reticulum. <i>American Journal of Physiology - Cell Physiology</i> , 2004, 287, C1292-C1299.	4.6	43
22	Cooperativity and Flexibility of Cystic Fibrosis Transmembrane Conductance Regulator Transmembrane Segments Participate in Membrane Localization of a Charged Residue. <i>Journal of Biological Chemistry</i> , 2002, 277, 39507-39514.	3.4	35