Hermann Bihler

List of Publications by Year
in descending order

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19 papers	2,278 citations	471509 17 h-index	794594 19 g-index
19 all docs	19 docs citations	19 times ranked	3888 citing authors

#	Article	IF	Citations
1	A revised airway epithelial hierarchy includes CFTR-expressing ionocytes. Nature, 2018, 560, 319-324.	27.8	878
2	Dual SMAD Signaling Inhibition Enables Long-Term Expansion of Diverse Epithelial Basal Cells. Cell Stem Cell, 2016, 19, 217-231.	11.1	313
3	CFTR modulator theratyping: Current status, gaps and future directions. Journal of Cystic Fibrosis, 2019, 18, 22-34.	0.7	208
4	Characterization of potassium transport in wild-type and isogenic yeast strains carrying all combinations of trk1, trk2 and tok1 null mutations. Molecular Microbiology, 2003, 47, 767-780.	2.5	95
5	Isogenic cell models of cystic fibrosis-causing variants in natively expressing pulmonary epithelial cells. Journal of Cystic Fibrosis, 2019, 18, 476-483.	0.7	88
6	Small molecule correctors of F508del-CFTR discovered by structure-based virtual screening. Journal of Computer-Aided Molecular Design, 2010, 24, 971-991.	2.9	85
7	TPK1 Is a Vacuolar Ion Channel Different from the Slow-Vacuolar Cation Channel. Plant Physiology, 2005, 139, 417-424.	4.8	76
8	Chemical modifications of adenine base editor mRNA and guide RNA expand its application scope. Nature Communications, 2020, 11, 1979.	12.8	66
9	NSC1: a novel high-current inward rectifier for cations in the plasma membrane ofSaccharomyces cerevisiae. FEBS Letters, 1998, 432, 59-64.	2.8	64
10	Electrophysiological Analysis of the Yeast V-Type Proton Pump: Variable Coupling Ratio and Proton Shunt. Biophysical Journal, 2003, 85, 3730-3738.	0.5	62
11	A small molecule that induces translational readthrough of CFTR nonsense mutations by eRF1 depletion. Nature Communications, 2021, 12, 4358.	12.8	59
12	Low-affinity potassium uptake by Saccharomyces cerevisiae is mediated by NSC1, a calcium-blocked non-specific cation channel. Biochimica Et Biophysica Acta - Biomembranes, 2002, 1558, 109-118.	2.6	57
13	Nonsense-mediated RNA Decay Pathway Inhibition Restores Expression and Function of W1282X CFTR. American Journal of Respiratory Cell and Molecular Biology, 2019, 61, 290-300.	2.9	53
14	Electrophysiology in the eukaryotic model cell Saccharomyces cerevisiae. Pflugers Archiv European Journal of Physiology, 1998, 436, 999-1013.	2.8	49
15	Conformational Changes Relevant to Channel Activity and Folding within the first Nucleotide Binding Domain of the Cystic Fibrosis Transmembrane Conductance Regulator. Journal of Biological Chemistry, 2012, 287, 28480-28494.	3.4	48
16	The presumed potassium carrier Trk2p inSaccharomyces cerevisiaedetermines an H+-dependent, K+-independent current. FEBS Letters, 1999, 447, 115-120.	2.8	31
17	A Novel Approach to Recovery of Function of Mutant Proteins by Slowing Down Translation. Journal of Biological Chemistry, 2012, 287, 34264-34272.	3.4	22
18	Partial rescue of F508delâ€cystic fibrosis transmembrane conductance regulator channel gating with modest improvement of protein processing, but not stability, by a dualâ€acting small molecule. British Journal of Pharmacology, 2018, 175, 1017-1038.	5.4	17

#	Article	IF	Citations
19	Functional consequences of leucine and tyrosine mutations in the dual pore motifs of the yeast K+ channel, Tok1p. Pflugers Archiv European Journal of Physiology, 2008, 456, 883-896.	2.8	7