Emmanuelle Cordat

List of Publications by Year
in descending order

31	840	516710 16	477307 29
papers	citations	h-index	g-index

32	32	32	869
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bicarbonate transport in cell physiology and disease. Biochemical Journal, 2009, 417, 423-439.	3.7	142
2	Dominant and Recessive Distal Renal Tubular Acidosis Mutations of Kidney Anion Exchanger 1 Induce Distinct Trafficking Defects in MDCK Cells. Traffic, 2006, 7, 117-128.	2.7	81
3	Impaired trafficking of human kidney anion exchanger (kAE1) caused by hetero-oligomer formation with a truncated mutant associated with distal renal tubular acidosis. Biochemical Journal, 2002, 368, 895-903.	3.7	62
4	Mia40 is a trans-site receptor that drives protein import into the mitochondrial intermembrane space by hydrophobic substrate binding. ELife, 2016, 5, .	6.0	60
5	Trafficking Defects of a Novel Autosomal Recessive Distal Renal Tubular Acidosis Mutant (S773P) of the Human Kidney Anion Exchanger (kAE1). Journal of Biological Chemistry, 2004, 279, 40960-40971.	3.4	54
6	Structure, Function, and Trafficking of SLC4 and SLC26 Anion Transporters. Current Topics in Membranes, 2014, 73, 1-67.	0.9	48
7	Band 3 Edmonton I, a novel mutant of the anion exchanger 1 causing spherocytosis and distal renal tubular acidosis. Biochemical Journal, 2010, 426, 379-388.	3.7	41
8	Carboxyl-Terminal Truncations of Human Anion Exchanger Impair its Trafficking to the Plasma Membrane. Traffic, 2003, 4, 642-651.	2.7	37
9	Carbonic anhydrase II binds to and increases the activity of the epithelial sodium-proton exchanger, NHE3. American Journal of Physiology - Renal Physiology, 2015, 309, F383-F392.	2.7	36
10	Intercalated Cell Depletion and Vacuolar H+-ATPase Mistargeting in an Ae1 R607H Knockin Model. Journal of the American Society of Nephrology: JASN, 2017, 28, 1507-1520.	6.1	36
11	Claudin-12 Knockout Mice Demonstrate Reduced Proximal Tubule Calcium Permeability. International Journal of Molecular Sciences, 2020, 21, 2074.	4.1	31
12	Endocytosis of Cytotoxic Granules Is Essential for Multiple Killing of Target Cells by T Lymphocytes. Journal of Immunology, 2016, 197, 2473-2484.	0.8	28
13	Claudin-2 and claudin-12 form independent, complementary pores required to maintain calcium homeostasis. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	27
14	Unraveling trafficking of the kidney anion exchanger 1 in polarized MDCK epithelial cellsThis paper is one of a selection of papers published in this Special Issue, entitled CSBMCB â€" Membrane Proteins in Health and Disease.. Biochemistry and Cell Biology, 2006, 84, 949-959.	2.0	24
15	Expression and interaction of two compound heterozygous distal renal tubular acidosis mutants of kidney anion exchanger 1 in epithelial cells. American Journal of Physiology - Renal Physiology, 2006, 291, F1354-F1361.	2.7	23
16	Adaptor protein 1 complexes regulate intracellular trafficking of the kidney anion exchanger 1 in epithelial cells. American Journal of Physiology - Cell Physiology, 2012, 303, C554-C566.	4.6	17
17	Deficiency of Carbonic Anhydrase II Results in a Urinary Concentrating Defect. Frontiers in Physiology, 2017, 8, 1108.	2.8	14
18	The novel p.Ser263Phe mutation in the human highâ€affinity choline transporter 1 (CHT1/ SLC5A7) causes a lethal form of fetal akinesia syndrome. Human Mutation, 2019, 40, 1676-1683.	2.5	14

#	Article	IF	Citations
19	Degradation mechanism of a Golgi-retained distal renal tubular acidosis mutant of the kidney anion exchanger 1 in renal cells. American Journal of Physiology - Cell Physiology, 2014, 307, C296-C307.	4.6	12
20	Functional Rescue of a Kidney Anion Exchanger 1 Trafficking Mutant in Renal Epithelial Cells. PLoS ONE, 2013, 8, e57062.	2.5	12
21	The kidney anion exchanger 1 affects tight junction properties via claudin-4. Scientific Reports, 2019, 9, 3099.	3.3	10
22	Renal collecting duct physiology and pathophysiology. Biochemistry and Cell Biology, 2019, 97, 234-242.	2.0	7
23	Human red blood cell uptake and sequestration of arsenite and selenite: Evidence of seleno-bis(S-glutathionyl) arsinium ion formation in human cells. Biochemical Pharmacology, 2020, 180, 114141.	4.4	7
24	The carboxyl-terminally truncated kidney anion exchanger 1 R901X dRTA mutant is unstable at the plasma membrane. American Journal of Physiology - Cell Physiology, 2016, 310, C764-C772.	4.6	5
25	Saccharomyces cerevisiae: First Steps to a Suitable Model System To Study the Function and Intracellular Transport of Human Kidney Anion Exchanger 1. MSphere, 2020, 5, .	2.9	4
26	Setting up an Academic Research Laboratory in Canada in 2015. Canadian Journal of Kidney Health and Disease, 2015, 2, 86.	1.1	2
27	SLC26A7 protein is a chloride/bicarbonate exchanger and its abundance is osmolarity- and pH-dependent in renal epithelial cells. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183238.	2.6	2
28	Adaptor protein 1 B mu subunit does not contribute to the recycling of kAE1 protein in polarized renal epithelial cells. Molecular Membrane Biology, 2017, 34, 50-64.	2.0	1
29	Boosting endoplasmic reticulum folding capacity reduces unfolded protein response activation and intracellular accumulation of human kidney anion exchanger 1 in Saccharomyces cerevisiae. Yeast, 2021, 38, 521-534.	1.7	1
30	Recycling of The Kidney Anion Exchanger 1 Is Regulated by Adaptor Protein Complex 1B. FASEB Journal, 2015, 29, LB628.	0.5	1
31	Restoring the trafficking of pathological mutants of the kidney anion exchanger 1. FASEB Journal, 2012, 26, lb815.	0.5	0