Friederike Stumpff

List of Publications by Year
in descending order

39 papers	1,657 citations	331538 21 h-index	360920 35 g-index
39 all docs	39 docs citations	39 times ranked	1901 citing authors

#	Article	IF	Citations
1	Effects of butyrateâ˜ on ruminal Ca2+ transport: evidence for the involvement of apically expressed TRPV3 and TRPV4 channels. Pflugers Archiv European Journal of Physiology, 2022, 474, 315-342.	1.3	1
2	Design and Testing of Efficient Mucusâ€Penetrating Nanogelsâ€"Pitfalls of Preclinical Testing and Lessons Learned. Small, 2021, 17, e2007963.	5.2	12
3	News in caecal signalling: the role of propionate in microbial-epithelial crosstalk. Pflugers Archiv European Journal of Physiology, 2021, 473, 853-854.	1.3	0
4	The TRPA1 Agonist Cinnamaldehyde Induces the Secretion of HCO3â˜ by the Porcine Colon. International Journal of Molecular Sciences, 2021, 22, 5198.	1.8	10
5	TRPV3 and TRPV4 as candidate proteins for intestinal ammonium absorption. Acta Physiologica, 2021, 233, e13694.	1.8	7
6	Evaluation of Different Blood Parameters From Endurance Horses Competing at 160 km. Journal of Equine Veterinary Science, 2021, 104, 103687.	0.4	11
7	Beyond Ca2+ signalling: the role of TRPV3 in the transport of NH4+. Pflugers Archiv European Journal of Physiology, 2021, 473, 1859-1884.	1.3	5
8	The TRPV3 channel of the bovine rumen: localization and functional characterization of a protein relevant for ruminal ammonia transport. Pflugers Archiv European Journal of Physiology, 2020, 472, 693-710.	1.3	11
9	Assessment of magnesium intake according to requirement in dairy cows. Journal of Animal Physiology and Animal Nutrition, 2019, 103, 1023-1029.	1.0	10
10	Unravelling the secrets of the caecum. Pflugers Archiv European Journal of Physiology, 2019, 471, 925-926.	1.3	0
11	Magnesium homeostasis in cattle: absorption and excretion. Nutrition Research Reviews, 2018, 31, 114-130.	2.1	33
12	A look at the smelly side of physiology: transport of short chain fatty acids. Pflugers Archiv European Journal of Physiology, 2018, 470, 571-598.	1.3	97
13	A comparative study of ammonia transport across ruminal epithelia from Bos indicus crossbreds versus Bos taurus. Animal Science Journal, 2018, 89, 1692-1700.	0.6	4
14	The bovine TRPV3 as a pathway for the uptake of Na+, Ca2+, and NH4+. PLoS ONE, 2018, 13, e0193519.	1.1	26
15	Impact of Increasing Dietary Calcium Levels on Calcium Excretion and Vitamin D Metabolites in the Blood of Healthy Adult Cats. PLoS ONE, 2016, 11, e0149190.	1.1	8
16	Evidence for the functional involvement of members of the TRP channel family in the uptake of Na+ and NH4 + by the ruminal epithelium. Pflugers Archiv European Journal of Physiology, 2016, 468, 1333-1352.	1.3	29
17	Determination of Henryâ€™s constant, the dissociation constant, and the buffer capacity of the bicarbonate system in ruminal fluid. Journal of Dairy Science, 2016, 99, 369-385.	1.4	11
18	Down-regulation of monocarboxylate transporter 1 (MCT1) gene expression in the colon of piglets is linked to bacterial protein fermentation and pro-inflammatory cytokine-mediated signalling. British Journal of Nutrition, 2015, 113, 610-617.	1.2	85

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19	Modulation of sheep ruminal urea transport by ammonia and pH. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2014, 307, R558-R570.	0.9	39
20	Epithelia of the ovine and bovine forestomach express basolateral maxi-anion channels permeable to the anions of short-chain fatty acids. Pflugers Archiv European Journal of Physiology, 2014, 466, 1689-1712.	1.3	23
21	Measuring Ca2+ binding to short chain fatty acids and gluconate with a Ca2+ electrode: Role of the reference electrode. Analytical Biochemistry, 2014, 459, 46-52.	1.1	11
22	Changes in rumen absorption processes during transition. Animal Feed Science and Technology, 2012, 172, 95-102.	1.1	32
23	Microbial butyrate and its role for barrier function in the gastrointestinal tract. Annals of the New York Academy of Sciences, 2012, 1258, 52-59.	1.8	329
24	Sheep rumen and omasum primary cultures and source epithelia: barrier function aligns with expression of tight junction proteins. Journal of Experimental Biology, 2011, 214, 2871-2882.	0.8	39
25	Modulation of urea transport across sheep rumen epithelium in vitro by SCFA and CO₂. American Journal of Physiology - Renal Physiology, 2010, 298, G190-G202.	1.6	55
26	Isolated Cells of the Sheep Rumen and Omasum Express Maxiâ€anion Channels Permeable to Acetate, Propionate and Butyrate. FASEB Journal, 2010, 24, 1014.4.	0.2	0
27	Bicarbonate-dependent and bicarbonate-independent mechanisms contribute to nondiffusive uptake of acetate in the ruminal epithelium of sheep. American Journal of Physiology - Renal Physiology, 2009, 296, G1098-G1107.	1.6	84
28	Cultured ruminal epithelial cells express a large-conductance channel permeable to chloride, bicarbonate, and acetate. Pflugers Archiv European Journal of Physiology, 2009, 457, 1003-1022.	1.3	32
29	Impact of Bacillus thuringiensis toxin Cry1Ab on rumen epithelial cells (REC) â€“ A new in vitro model for safety assessment of recombinant food compounds. Food and Chemical Toxicology, 2008, 46, 1976-1984.	1.8	23
30	Ruminal epithelial cells express high conductance chloride channel. FASEB Journal, 2008, 22, 136-136.	0.2	0
31	Effects of the Bacillus thuringiensis Toxin Cry1Ab on Membrane Currents of Isolated Cells of the Ruminal Epithelium. Journal of Membrane Biology, 2007, 219, 37-47.	1.0	9
32	Ammonia and urea transport across the rumen epithelium: a review. Animal Health Research Reviews, 2006, 7, 43-59.	1.4	131
33	Modulation of electroneutral Na transport in sheep rumen epithelium by luminal ammonia. American Journal of Physiology - Renal Physiology, 2005, 289, G508-G520.	1.6	30
34	Basolateral Mg2+/Na+ exchange regulates apical nonselective cation channel in sheep rumen epithelium via cytosolic Mg2+. American Journal of Physiology - Renal Physiology, 2005, 288, G630-G645.	1.6	32
35	Stimulation of cannabinoid (CB1) and prostanoid (EP2) receptors opens BKCa channels and relaxes ocular trabecular meshwork. Experimental Eye Research, 2005, 80, 697-708.	1.2	35
36	Flufenamic acid enhances current through maxi-K channels in the trabecular meshwork of the eye. Current Eye Research, 2001, 22, 427-437.	0.7	12

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37	Regulation of Trabecular Meshwork Contractility. Ophthalmologica, 2000, 214, 33-53.	1.0	58
38	The regulation of trabecular meshwork and ciliary muscle contractility. Progress in Retinal and Eye Research, 2000, 19, 271-295.	7.3	294
39	Influence of Muscarinic Agonists and Tyrosine Kinase Inhibitors on L-type Ca2+Channels in Human and Bovine Trabecular Meshwork Cells. Experimental Eye Research, 2000, 70, 285-293.	1.2	29