Salah Amasheh

List of Publications by Year
in descending order

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34 papers	2,059 citations	516710 16 h-index	361022 35 g-index
35 all docs	35 docs citations	35 times ranked	2426 citing authors

#	Article	IF	Citations
1	Claudin-2 expression induces cation-selective channels in tight junctions of epithelial cells. Journal of Cell Science, 2002, 115, 4969-4976.	2.0	700
2	Characterization of a porcine intestinal epithelial cell line for in vitro studies of microbial pathogenesis in swine. Histochemistry and Cell Biology, 2006, 125, 293-305.	1.7	313
3	TNFÎ±-induced and berberine-antagonized tight junction barrier impairment via tyrosine kinase, Akt and NFÎºB signaling. Journal of Cell Science, 2010, 123, 4145-4155.	2.0	196
4	Segmental expression of claudin proteins correlates with tight junction barrier properties in rat intestine. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2010, 180, 591-598.	1.5	134
5	Symposium review: The importance of the ruminal epithelial barrier for a healthy and productive cow. Journal of Dairy Science, 2019, 102, 1866-1882.	3.4	90
6	Na+ absorption defends from paracellular back-leakage by claudin-8 upregulation. Biochemical and Biophysical Research Communications, 2009, 378, 45-50.	2.1	87
7	Modulation of gastrointestinal barrier and nutrient transport function in farm animals by natural plant bioactive compounds â€“ A comprehensive review. Critical Reviews in Food Science and Nutrition, 2019, 59, 3237-3266.	10.3	87
8	Claudin clusters as determinants of epithelial barrier function. IUBMB Life, 2015, 67, 29-35.	3.4	66
9	Inflamed pouch mucosa possesses altered tight junctions indicating recurrence of inflammatory bowel disease. International Journal of Colorectal Disease, 2009, 24, 1149-1156.	2.2	51
10	Tight Junction Proteins as Channel Formers and Barrier Builders. Annals of the New York Academy of Sciences, 2009, 1165, 211-219.	3.8	48
11	Laurate Permeates the Paracellular Pathway for Small Molecules in the Intestinal Epithelial Cell Model HT-29/B6 via Opening the Tight Junctions by Reversible Relocation of Claudin-5. Pharmaceutical Research, 2014, 31, 2539-2548.	3.5	31
12	Altered expression of tight junction proteins in mammary epithelium after discontinued suckling in mice. Pflugers Archiv European Journal of Physiology, 2012, 463, 391-398.	2.8	27
13	Effect of individual SCFA on the epithelial barrier of sheep rumen under physiological and acidotic luminal pH conditions. Journal of Animal Science, 2018, 96, 126-142.	0.5	27
14	The epithelial barrier and beyond: Claudins as amplifiers of physiological organ functions. IUBMB Life, 2017, 69, 290-296.	3.4	23
15	Comparative analysis of theophylline and cholera toxin in rat colon reveals an induction of sealing tight junction proteins. Pflugers Archiv European Journal of Physiology, 2014, 466, 2059-2065.	2.8	20
16	Confounding influence of tamoxifen in mouse models of Cre recombinase-induced gene activity or modulation. Archives of Toxicology, 2018, 92, 2549-2561.	4.2	20
17	Formula Feeding Predisposes Neonatal Piglets to Clostridium difficile Gut Infection. Journal of Infectious Diseases, 2018, 217, 1442-1452.	4.0	18
18	Effects of Ex Vivo Infection with ETEC on Jejunal Barrier Properties and Cytokine Expression in Probiotic-Supplemented Pigs. Digestive Diseases and Sciences, 2017, 62, 922-933.	2.3	17

#	Article	IF	Citations
19	Molecular Characterization of Barrier Properties in Follicle-Associated Epithelium of Porcine Peyer's Patches Reveals Major Sealing Function of Claudin-4. Frontiers in Physiology, 2017, 8, 579.	2.8	14
20	Circulating Ouabain Modulates Expression of Claudins in Rat Intestine and Cerebral Blood Vessels. International Journal of Molecular Sciences, 2020, 21, 5067.	4.1	14
21	Caprate Modulates Intestinal Barrier Function in Porcine Peyerâ€™s Patch Follicle-Associated Epithelium. International Journal of Molecular Sciences, 2019, 20, 1418.	4.1	13
22	Xenopus oocytes as a heterologous expression system for analysis of tight junction proteins. FASEB Journal, 2019, 33, 5312-5319.	0.5	9
23	Blood-Brain Barrier Protein Claudin-5 Expressed in Paired Xenopus laevis Oocytes Mediates Cell-Cell Interaction. Frontiers in Physiology, 2020, 11, 857.	2.8	9
24	Tumor Necrosis Factor Alpha Effects on the Porcine Intestinal Epithelial Barrier Include Enhanced Expression of TNF Receptor 1. International Journal of Molecular Sciences, 2021, 22, 8746.	4.1	7
25	Cholera toxin perturbs the paracellular barrier in the small intestinal epithelium of rats by affecting claudin-2 and tricellulin. Pflugers Archiv European Journal of Physiology, 2019, 471, 1183-1189.	2.8	6
26	Hydrostatic pressure incubation affects barrier properties of mammary epithelial cell monolayers, inÂvitro. Biochemical and Biophysical Research Communications, 2018, 495, 1089-1093.	2.1	5
27	Porcine milk induces a strengthening of barrier function in porcine jejunal epithelium in vitro. Annals of the New York Academy of Sciences, 2017, 1397, 110-118.	3.8	4
28	Basolateral pressure challenges mammary epithelial cell monolayer integrity, in vitro. Cytotechnology, 2018, 70, 567-576.	1.6	4
29	Accumulation of milk increases the width of tight junctions in the epithelium of mouse mammary alveoli. Biological Communications, 2020, 65, .	0.8	2
30	Concerted action of berberine in the porcine intestinal epithelial model IPECâ€J2: Effects on tight junctions and apoptosis. Physiological Reports, 2022, 10, e15237.	1.7	2
31	Effects of glucagonâ€like peptides 1 and 2 and epidermal growth factor on the epithelial barrier of the rumen of adult sheep. Journal of Animal Physiology and Animal Nutrition, 2019, 103, 1727-1738.	2.2	1
32	Heterogeneity of the barrier properties of the colon in rat. Biological Communications, 2021, 66, .	0.8	1
33	Effects of 1,2-Dimethylhydrazine on Barrier Properties of Rat Large Intestine and IPEC-J2 Cells. International Journal of Molecular Sciences, 2021, 22, 10278.	4.1	1
34	The tight junction protein claudinâ€2 forms a paracellular water channel. FASEB Journal, 2009, 23, 796.5.	0.5	1