

Rita Rosenthal

List of Publications by Year in descending order

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36
papers

2,118
citations

279798

23
h-index

361022

35
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36
all docs

36
docs citations

36
times ranked

2536
citing authors

#	ARTICLE	IF	CITATIONS
1	Claudin-2, a component of the tight junction, forms a paracellular water channel. <i>Journal of Cell Science</i> , 2010, 123, 1913-1921.	2.0	345
2	Claudin-3 acts as a sealing component of the tight junction for ions of either charge and uncharged solutes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010, 1798, 2048-2057.	2.6	193
3	Claudin-10 exists in six alternatively spliced isoforms that exhibit distinct localization and function. <i>Journal of Cell Science</i> , 2009, 122, 1507-1517.	2.0	170
4	Contribution of Tight Junction Proteins to Ion, Macromolecule, and Water Barrier in Keratinocytes. <i>Journal of Investigative Dermatology</i> , 2013, 133, 1161-1169.	0.7	136
5	The effect of chitosan on transcellular and paracellular mechanisms in the intestinal epithelial barrier. <i>Biomaterials</i> , 2012, 33, 2791-2800.	11.4	108
6	Claudin-17 forms tight junction channels with distinct anion selectivity. <i>Cellular and Molecular Life Sciences</i> , 2012, 69, 2765-2778.	5.4	103
7	Claudin-mediated cation and water transport share a common pore. <i>Acta Physiologica</i> , 2017, 219, 521-536.	3.8	93
8	The ginger component 6-shogaol prevents TNF- α -induced barrier loss via inhibition of PI3K/Akt and NF- κ B signaling. <i>Molecular Nutrition and Food Research</i> , 2016, 60, 2576-2586.	3.3	70
9	Effects of ML-7 and Y-27632 on carbachol- and endothelin-1-induced contraction of bovine trabecular meshwork. <i>Experimental Eye Research</i> , 2005, 80, 837-845.	2.6	60
10	Lactoferrin protects against intestinal inflammation and bacteria-induced barrier dysfunction <i>in vitro</i> . <i>Annals of the New York Academy of Sciences</i> , 2017, 1405, 177-188.	3.8	60
11	Insulin-like growth factor-1 contributes to neovascularization in age-related macular degeneration. <i>Biochemical and Biophysical Research Communications</i> , 2004, 323, 1203-1208.	2.1	59
12	Ca ²⁺ channels in retinal pigment epithelial cells regulate vascular endothelial growth factor secretion rates in health and disease. <i>Molecular Vision</i> , 2007, 13, 443-56.	1.1	57
13	HDAC inhibitors promote intestinal epithelial regeneration via autocrine TGF β ² 1 signalling in inflammation. <i>Mucosal Immunology</i> , 2019, 12, 656-667.	6.0	56
14	Endothelin antagonism as an active principle for glaucoma therapy. <i>British Journal of Pharmacology</i> , 2011, 162, 806-816.	5.4	53
15	Water channels and barriers formed by claudins. <i>Annals of the New York Academy of Sciences</i> , 2017, 1397, 100-109.	3.8	51
16	The fibroblast growth factor receptors, FGFR-1 and FGFR-2, mediate two independent signalling pathways in human retinal pigment epithelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2005, 337, 241-247.	2.1	50
17	Endothelin Antagonism: Effects of FP Receptor Agonists Prostaglandin F ₂ α and Fluprostenol on Trabecular Meshwork Contractility. , 2006, 47, 938.		47
18	Activation of Neuroendocrine L-Type Channels (β 1D Subunits) in Retinal Pigment Epithelial Cells and Brain Neurons by pp60c-src. <i>Biochemical and Biophysical Research Communications</i> , 2000, 270, 806-810.	2.1	43

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19	Fibroblast growth factor receptor 2 (FGFR2) in brain neurons and retinal pigment epithelial cells act via stimulation of neuroendocrine L-type channels (Cav1.3). <i>FASEB Journal</i> , 2001, 15, 970-977.	0.5	39
20	<i>Yersinia enterocolitica</i> induces epithelial barrier dysfunction through regional tight junction changes in colonic HT-29/B6 cell monolayers. <i>Laboratory Investigation</i> , 2011, 91, 310-324.	3.7	35
21	Claudin-15 forms a water channel through the tight junction with distinct function compared to claudin-2. <i>Acta Physiologica</i> , 2020, 228, e13334.	3.8	35
22	Ca ²⁺ -Channels in the RPE. <i>Advances in Experimental Medicine and Biology</i> , 2002, , 225-235.	1.6	35
23	Zinc treatment is efficient against <i>Escherichia coli</i> α -haemolysin-induced intestinal leakage in mice. <i>Scientific Reports</i> , 2017, 7, 45649.	3.3	31
24	Effects of endothelin-1 on calcium-independent contraction of bovine trabecular meshwork. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2008, 246, 1107-1115.	1.9	27
25	The Punicalagin Metabolites Ellagic Acid and Urolithin A Exert Different Strengthening and Anti-Inflammatory Effects on Tight Junction-Mediated Intestinal Barrier Function In Vitro. <i>Frontiers in Pharmacology</i> , 2021, 12, 610164.	3.5	24
26	Analysis of absorption enhancers in epithelial cell models. <i>Annals of the New York Academy of Sciences</i> , 2012, 1258, 86-92.	3.8	22
27	Pharmacological and Functional Characterization of Endothelin Receptors in Bovine Trabecular Meshwork and Ciliary Muscle. <i>Ophthalmic Research</i> , 2005, 37, 179-187.	1.9	20
28	Myrrh exerts barrier-stabilising and -protective effects in HT-29/B6 and Caco-2 intestinal epithelial cells. <i>International Journal of Colorectal Disease</i> , 2017, 32, 623-634.	2.2	19
29	Expression profile of voltage-dependent Ca ²⁺ channel subunits in the human retinal pigment epithelium. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2008, 246, 685-692.	1.9	18
30	Tricellulin Effect on Paracellular Water Transport. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5700.	4.1	15
31	Differential day-night expression of tight junction components in murine retinal pigment epithelium. <i>Experimental Eye Research</i> , 2020, 193, 107985.	2.6	14
32	Endothelin receptor B in trabecular meshwork. <i>Experimental Eye Research</i> , 2007, 85, 482-491.	2.6	13
33	Tight junction channels claudin-10b and claudin-15: Functional mapping of pore-lining residues. <i>Annals of the New York Academy of Sciences</i> , 2022, 1515, 129-142.	3.8	9
34	Angulin-1 (LSR) Affects Paracellular Water Transport, However Only in Tight Epithelial Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7827.	4.1	6
35	Significant water absorption goes paracellular in kidney proximal tubules. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 306, F51-F52.	2.7	1
36	The tight junction protein claudin-2 forms a paracellular water channel. <i>FASEB Journal</i> , 2009, 23, 796.5.	0.5	1