Susanne Milatz

List of Publications by Year
in descending order

21 papers	1,561 citations	516710 16 h-index	713466 21 g-index
21 all docs	21 docs citations	21 times ranked	1661 citing authors

#	Article	IF	Citations
1	Claudin-2, a component of the tight junction, forms a paracellular water channel. Journal of Cell Science, 2010, 123, 1913-1921.	2.0	345
2	Tricellulin Forms a Barrier to Macromolecules in Tricellular Tight Junctions without Affecting Ion Permeability. Molecular Biology of the Cell, 2009, 20, 3713-3724.	2.1	288
3	Claudin-3 acts as a sealing component of the tight junction for ions of either charge and uncharged solutes. Biochimica Et Biophysica Acta - Biomembranes, 2010, 1798, 2048-2057.	2.6	193
4	In tight junctions, claudins regulate the interactions between occludin, tricellulin and marvelD3, which, inversely, modulate claudin oligomerization. Journal of Cell Science, 2013, 126, 554-564.	2.0	145
5	Na+ absorption defends from paracellular back-leakage by claudin-8 upregulation. Biochemical and Biophysical Research Communications, 2009, 378, 45-50.	2.1	87
6	Mosaic expression of claudins in thick ascending limbs of Henle results in spatial separation of paracellular Na ⁺ and Mg ²⁺ transport. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E219-E227.	7.1	84
7	A Novel Hypokalemic-Alkalotic Salt-Losing Tubulopathy in Patients with CLDN10 Mutations. Journal of the American Society of Nephrology: JASN, 2017, 28, 3118-3128.	6.1	52
8	Altered paracellular cation permeability due to a rare CLDN10B variant causes anhidrosis and kidney damage. PLoS Genetics, 2017, 13, e1006897.	3.5	50
9	Tight Junction Proteins as Channel Formers and Barrier Builders. Annals of the New York Academy of Sciences, 2009, 1165, 211-219.	3.8	48
10	Corticomedullary difference in the effects of dietary Ca2+ on tight junction properties in thick ascending limbs of Henleâ€™s loop. Pflugers Archiv European Journal of Physiology, 2016, 468, 293-303.	2.8	39
11	Probing the <i>cis</i>-arrangement of prototype tight junction proteins claudin-1 and claudin-3. Biochemical Journal, 2015, 468, 449-458.	3.7	37
12	Tight junction strand formation by claudinâ€10 isoforms and claudinâ€10a/â€10b chimeras. Annals of the New York Academy of Sciences, 2017, 1405, 102-115.	3.8	33
13	ILDR1 is important for paracellular water transport and urine concentration mechanism. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 5271-5276.	7.1	30
14	One gene, two paracellular ion channelsâ€”claudin-10 in the kidney. Pflugers Archiv European Journal of Physiology, 2017, 469, 115-121.	2.8	26
15	A Novel Claudinopathy Based on Claudin-10 Mutations. International Journal of Molecular Sciences, 2019, 20, 5396.	4.1	25
16	Claudin Function in the Thick Ascending Limb of Henle's Loop. Annals of the New York Academy of Sciences, 2009, 1165, 152-162.	3.8	24
17	Claudin-10a Deficiency Shifts Proximal Tubular Cl- Permeability to Cation Selectivity via Claudin-2 Redistribution. Journal of the American Society of Nephrology: JASN, 2022, 33, 699-717.	6.1	20
18	Transcription factor HNF1Î² regulates expression of the calcium-sensing receptor in the thick ascending limb of the kidney. American Journal of Physiology - Renal Physiology, 2018, 315, F27-F35.	2.7	18

#	Article	IF	Citations
19	Heterogeneity of tight junctions in the thick ascending limb. Annals of the New York Academy of Sciences, 2017, 1405, 5-15.	3.8	11
20	Diuretic state affects ascending thin limb tight junctions. American Journal of Physiology - Renal Physiology, 2018, 314, F190-F195.	2.7	5
21	The tight junction protein claudinâ€2 forms a paracellular water channel. FASEB Journal, 2009, 23, 796.5.	0.5	1