

Ian M Thornell

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

553
citations

840776

11
h-index

677142

22
g-index

29
all docs

29
docs citations

29
times ranked

883
citing authors

#	ARTICLE	IF	CITATIONS
1	Gel-forming mucins form distinct morphologic structures in airways. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 6842-6847.	7.1	132
2	Electrolyte transport properties in distal small airways from cystic fibrosis pigs with implications for host defense. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 310, L670-L679.	2.9	44
3	Widespread airway distribution and short-term phenotypic correction of cystic fibrosis pigs following aerosol delivery of piggyBac/adenovirus. Nucleic Acids Research, 2018, 46, 9591-9600.	14.5	38
4	Regulators of Slc4 bicarbonate transporter activity. Frontiers in Physiology, 2015, 6, 166.	2.8	36
5	Motile cilia of human airway epithelia contain hedgehog signaling components that mediate noncanonical hedgehog signaling. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 1370-1375.	7.1	31
6	A Novel AAV-mediated Gene Delivery System Corrects CFTR Function in Pigs. American Journal of Respiratory Cell and Molecular Biology, 2019, 61, 747-754.	2.9	31
7	Reduction of AMPA receptor activity on mature oligodendrocytes attenuates loss of myelinated axons in autoimmune neuroinflammation. Science Advances, 2020, 6, eaax5936.	10.3	27
8	TNF α and IL-17 alkalinize airway surface liquid through CFTR and pendrin. American Journal of Physiology - Cell Physiology, 2020, 319, C331-C344.	4.6	27
9	Inflammatory cytokines TNF α and IL-17 enhance the efficacy of cystic fibrosis transmembrane conductance regulator modulators. Journal of Clinical Investigation, 2021, 131, .	8.2	25
10	Sodium α -bicarbonate cotransporter NBCn1 in the kidney medullary thick ascending limb cell line is upregulated under acidic conditions and enhances ammonium transport. Experimental Physiology, 2010, 95, 926-937.	2.0	24
11	PIP ₂ hydrolysis stimulates the electrogenic Na ⁺ α -bicarbonate cotransporter NBCe1 β and α variants expressed in <i>Xenopus laevis</i> oocytes. Journal of Physiology, 2012, 590, 5993-6011.	2.9	22
12	Phosphatidylinositol 4,5 α -bisphosphate degradation inhibits the Na ⁺ /bicarbonate cotransporter NBCe1 β and α variants expressed in <i>Xenopus</i> oocytes. Journal of Physiology, 2015, 593, 541-558.	2.9	12
13	Early pathogenesis of cystic fibrosis gallbladder disease in a porcine model. Laboratory Investigation, 2020, 100, 1388-1399.	3.7	12
14	Lung function of primary cooks using LPG or biomass and the effect of particulate matter on airway epithelial barrier integrity. Environmental Research, 2020, 189, 109888.	7.5	11
15	Paracellular bicarbonate flux across human cystic fibrosis airway epithelia tempers changes in airway surface liquid pH. Journal of Physiology, 2020, 598, 4307-4320.	2.9	11
16	A Single-Cell Atlas of Large and Small Airways at Birth in a Porcine Model of Cystic Fibrosis. American Journal of Respiratory Cell and Molecular Biology, 2022, 66, 612-622.	2.9	11
17	Nominal carbonic anhydrase activity minimizes airway-surface liquid pH changes during breathing. Physiological Reports, 2018, 6, e13569.	1.7	10
18	Development of a polarized pancreatic ductular cell epithelium for physiological studies. Journal of Applied Physiology, 2018, 125, 97-106.	2.5	10

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19	V-Type ATPase Mediates Airway Surface Liquid Acidification in Pig Small Airway Epithelial Cells. American Journal of Respiratory Cell and Molecular Biology, 2021, 65, 146-156.	2.9	10
20	The IP 3 receptor-binding protein IRBIT reduces phosphatidylinositol 4,5-bisphosphate (PIP ₂) stimulation of Na/bicarbonate cotransporter NBCe1 variants expressed in Xenopus laevis oocytes. FASEB Journal, 2010, 24, 815.6.	0.5	10
21	Effect of apical chloride concentration on the measurement of responses to CFTR modulation in airway epithelia cultured from nasal brushings. Physiological Reports, 2020, 8, e14603.	1.7	8
22	Urban Particulate Matter Impairment of Airway Surface Liquid-Mediated Coronavirus Inactivation. Journal of Infectious Diseases, 2022, 225, 214-218.	4.0	4
23	Vitamin D-mediated effects on airway innate immunity in vitro. PLoS ONE, 2022, 17, e0269647.	2.5	4
24	Phosphatidylinositol 4,5-bisphosphate (PIP ₂) stimulation of electrogenic Na/bicarbonate cotransporter NBCe1 variants expressed in Xenopus laevis oocytes. FASEB Journal, 2009, 23, 800.13.	0.5	1
25	Activating a voltage-sensitive 5-phosphatase (VSP) that decreases phosphatidylinositol 4,5-bisphosphate (PIP ₂) inhibits electrogenic Na/bicarbonate cotransporter NBCe1 and variants expressed in Xenopus laevis oocytes. FASEB Journal, 2013, 27, .	0.5	1
26	Anion Transport Across Human Gallbladder Organoids and Monolayers. Frontiers in Physiology, 2022, 13, .	2.8	1
27	The oculocerebrorenal syndrome of Lowe protein (OCRL) inhibits the Na/bicarbonate cotransporter NBCe1 expressed in Xenopus laevis oocytes.. FASEB Journal, 2018, 32, lb443.	0.5	0
28	FXD3 increases Na ⁺ transport across human airway epithelia. FASEB Journal, 2022, 36, .	0.5	0