

Michael Koval

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

180
papers

7,794
citations

52
h-index

83
g-index

196
ext. papers

8,659
ext. citations

5.4
avg, IF

6
L-index

#	Paper	IF	Citations
180	JAM-A regulates permeability and inflammation in the intestine in vivo. <i>Journal of Experimental Medicine</i> , 2007 , 204, 3067-76	16.6	360
179	A novel endocytic pathway induced by clustering endothelial ICAM-1 or PECAM-1. <i>Journal of Cell Science</i> , 2003 , 116, 1599-609	5.3	254
178	Conformational dynamics of individual DNA molecules during gel electrophoresis. <i>Nature</i> , 1989 , 338, 520-2	50.4	239
177	Gap junctional communication modulates gene expression in osteoblastic cells. <i>Molecular Biology of the Cell</i> , 1998 , 9, 2249-58	3.5	221
176	Lipid recycling between the plasma membrane and intracellular compartments: transport and metabolism of fluorescent sphingomyelin analogues in cultured fibroblasts. <i>Journal of Cell Biology</i> , 1989 , 108, 2169-81	7.3	202
175	Intracellular transport and metabolism of sphingomyelin. <i>Lipids and Lipid Metabolism</i> , 1991 , 1082, 113-25		197
174	Identification of LBM180, a lamellar body limiting membrane protein of alveolar type II cells, as the ABC transporter protein ABCA3. <i>Journal of Biological Chemistry</i> , 2002 , 277, 22147-55	5.4	166
173	Rosiglitazone attenuates chronic hypoxia-induced pulmonary hypertension in a mouse model. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2010 , 42, 482-90	5.7	164
172	Transfected connexin45 alters gap junction permeability in cells expressing endogenous connexin43. <i>Journal of Cell Biology</i> , 1995 , 130, 987-95	7.3	150
171	Regulation and roles for claudin-family tight junction proteins. <i>IUBMB Life</i> , 2009 , 61, 431-7	4.7	146
170	Size of IgG-opsonized particles determines macrophage response during internalization. <i>Experimental Cell Research</i> , 1998 , 242, 265-73	4.2	146
169	The contribution of epithelial sodium channels to alveolar function in health and disease. <i>Annual Review of Physiology</i> , 2009 , 71, 403-23	23.1	144
168	CD45 regulates Src family member kinase activity associated with macrophage integrin-mediated adhesion. <i>Current Biology</i> , 1997 , 7, 408-17	6.3	139
167	Connexin46 is retained as monomers in a trans-Golgi compartment of osteoblastic cells. <i>Journal of Cell Biology</i> , 1997 , 137, 847-57	7.3	135
166	Heterogeneity of claudin expression by alveolar epithelial cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2003 , 29, 62-70	5.7	127
165	Slow intracellular trafficking of catalase nanoparticles targeted to ICAM-1 protects endothelial cells from oxidative stress. <i>American Journal of Physiology - Cell Physiology</i> , 2003 , 285, C1339-47	5.4	124
164	Regulation of heterotypic claudin compatibility. <i>Journal of Biological Chemistry</i> , 2007 , 282, 30005-13	5.4	119

163	ICAM-1 recycling in endothelial cells: a novel pathway for sustained intracellular delivery and prolonged effects of drugs. <i>Blood</i> , 2005 , 105, 650-8	2.2	119
162	PPAR{gamma} regulates hypoxia-induced Nox4 expression in human pulmonary artery smooth muscle cells through NF- κ B. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2010 , 299, L559-66	5.8	115
161	Sorting of an internalized plasma membrane lipid between recycling and degradative pathways in normal and Niemann-Pick, type A fibroblasts. <i>Journal of Cell Biology</i> , 1990 , 111, 429-42	7.3	115
160	Pathways and control of connexin oligomerization. <i>Trends in Cell Biology</i> , 2006 , 16, 159-66	18.3	103
159	Claudins: Gatekeepers of lung epithelial function. <i>Seminars in Cell and Developmental Biology</i> , 2015 , 42, 47-57	7.5	102
158	Claudin heterogeneity and control of lung tight junctions. <i>Annual Review of Physiology</i> , 2013 , 75, 551-67	23.1	99
157	Size-dependent intracellular immunotargeting of therapeutic cargoes into endothelial cells. <i>Blood</i> , 2002 , 99, 912-22	2.2	93
156	Endothelial endocytic pathways: gates for vascular drug delivery. <i>Current Vascular Pharmacology</i> , 2004 , 2, 281-99	3.3	93
155	A key claudin extracellular loop domain is critical for epithelial barrier integrity. <i>American Journal of Pathology</i> , 2008 , 172, 905-15	5.8	91
154	Mix and match: investigating heteromeric and heterotypic gap junction channels in model systems and native tissues. <i>FEBS Letters</i> , 2014 , 588, 1193-204	3.8	89
153	A key role for mitochondria in endothelial signaling by plasma cysteine/cystine redox potential. <i>Free Radical Biology and Medicine</i> , 2010 , 48, 275-83	7.8	88
152	Connexin45 interacts with zonula occludens-1 and connexin43 in osteoblastic cells. <i>Journal of Biological Chemistry</i> , 2001 , 276, 23051-5	5.4	88
151	tGolgin-1 (p230, golgin-245) modulates Shiga-toxin transport to the Golgi and Golgi motility towards the microtubule-organizing centre. <i>Journal of Cell Science</i> , 2005 , 118, 2279-93	5.3	81
150	Developmental regulation of claudin localization by fetal alveolar epithelial cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2004 , 287, L1266-73	5.8	80
149	Differential effects of claudin-3 and claudin-4 on alveolar epithelial barrier function. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2011 , 301, L40-9	5.8	78
148	Collagenous substrata regulate the nature and distribution of glycosaminoglycans produced by differentiated cultures of mouse mammary epithelial cells. <i>Experimental Cell Research</i> , 1985 , 156, 487-99	4.2	78
147	The dynamics of chromosome movement in the budding yeast <i>Saccharomyces cerevisiae</i> . <i>Journal of Cell Biology</i> , 1989 , 109, 3355-66	7.3	77
146	Proinflammatory cytokine-induced tight junction remodeling through dynamic self-assembly of claudins. <i>Molecular Biology of the Cell</i> , 2014 , 25, 2710-9	3.5	76

145	Enhanced green fluorescent protein expression may be used to monitor murine coronavirus spread in vitro and in the mouse central nervous system. <i>Journal of NeuroVirology</i> , 2002 , 8, 381-91	3.9	75
144	MAPK phosphorylation of connexin 43 promotes binding of cyclin E and smooth muscle cell proliferation. <i>Circulation Research</i> , 2012 , 111, 201-11	15.7	73
143	Claudins: control of barrier function and regulation in response to oxidant stress. <i>Antioxidants and Redox Signaling</i> , 2011 , 15, 1179-93	8.4	71
142	ERp29 restricts Connexin43 oligomerization in the endoplasmic reticulum. <i>Molecular Biology of the Cell</i> , 2009 , 20, 2593-604	3.5	66
141	Cross-talk between pulmonary injury, oxidant stress, and gap junctional communication. <i>Antioxidants and Redox Signaling</i> , 2009 , 11, 355-67	8.4	65
140	Paracrine stimulation of surfactant secretion by extracellular ATP in response to mechanical deformation. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2005 , 289, L489-96 ^{5.8}	5.8	65
139	Targeted gap junction protein constructs reveal connexin-specific differences in oligomerization. <i>Journal of Biological Chemistry</i> , 2002 , 277, 20911-8	5.4	61
138	Control of intracellular trafficking of ICAM-1-targeted nanocarriers by endothelial Na ⁺ /H ⁺ exchanger proteins. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2006 , 290, L809-17	5.8	59
137	Claudins--key pieces in the tight junction puzzle. <i>Cell Communication and Adhesion</i> , 2006 , 13, 127-38		58
136	Extracellular matrix influences alveolar epithelial claudin expression and barrier function. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2010 , 42, 172-80	5.7	57
135	Desmosome assembly and disassembly are membrane raft-dependent. <i>PLoS ONE</i> , 2014 , 9, e87809	3.7	56
134	Alcohol abuse and acute lung injury: epidemiology and pathophysiology of a recently recognized association. <i>Journal of Investigative Medicine</i> , 2005 , 53, 235-45	2.9	56
133	Mitochondrial catalase overexpressed transgenic mice are protected against lung fibrosis in part via preventing alveolar epithelial cell mitochondrial DNA damage. <i>Free Radical Biology and Medicine</i> , 2016 , 101, 482-490	7.8	55
132	HIV-1 transgene expression in rats causes oxidant stress and alveolar epithelial barrier dysfunction. <i>AIDS Research and Therapy</i> , 2009 , 6, 1	3	55
131	Role of SGK1 in nitric oxide inhibition of ENaC in Na ⁺ -transporting epithelia. <i>American Journal of Physiology - Cell Physiology</i> , 2005 , 289, C717-26	5.4	54
130	Regulation of claudin/zonula occludens-1 complexes by hetero-claudin interactions. <i>Nature Communications</i> , 2016 , 7, 12276	17.4	53
129	Metabolism of 3-nitrotyrosine induces apoptotic death in dopaminergic cells. <i>Journal of Neuroscience</i> , 2006 , 26, 6124-30	6.6	53
128	Chronic alcohol ingestion alters claudin expression in the alveolar epithelium of rats. <i>Alcohol</i> , 2007 , 41, 371-9	2.7	52

127	Connexins: Synthesis, Post-Translational Modifications, and Trafficking in Health and Disease. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	51
126	Activating the Nrf2-mediated antioxidant response element restores barrier function in the alveolar epithelium of HIV-1 transgenic rats. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2013 , 305, L267-77	5.8	51
125	Age-determined expression of priming protease TMPRSS2 and localization of SARS-CoV-2 in lung epithelium. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	51
124	Sharing signals: connecting lung epithelial cells with gap junction channels. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2002 , 283, L875-93	5.8	48
123	Angiotensin II mediates glutathione depletion, transforming growth factor-beta1 expression, and epithelial barrier dysfunction in the alcoholic rat lung. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2005 , 289, L363-70	5.8	48
122	Multimeric connexin interactions prior to the trans-Golgi network. <i>Journal of Cell Science</i> , 2001 , 114, 4013-4024	5.3	48
121	Differential pathways of claudin oligomerization and integration into tight junctions. <i>Tissue Barriers</i> , 2013 , 1, e24518	4.3	46
120	Phenotypic control of gap junctional communication by cultured alveolar epithelial cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 1999 , 276, L825-34	5.8	46
119	Heterocellular gap junctional communication between alveolar epithelial cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2001 , 280, L1085-93	5.8	45
118	Specificity of interaction between clostridium perfringens enterotoxin and claudin-family tight junction proteins. <i>Toxins</i> , 2010 , 2, 1595-611	4.9	44
117	Vascular oxidative stress and nitric oxide depletion in HIV-1 transgenic rats are reversed by glutathione restoration. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008 , 294, H2792-804	5.2	44
116	Glutathione attenuates ethanol-induced alveolar macrophage oxidative stress and dysfunction by downregulating NADPH oxidases. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2014 , 306, L429-41	5.8	41
115	Chronic alcohol ingestion increases mortality and organ injury in a murine model of septic peritonitis. <i>PLoS ONE</i> , 2013 , 8, e62792	3.7	41
114	Ubiquitin-independent proteasomal degradation of endoplasmic reticulum-localized connexin43 mediated by CIP75. <i>Journal of Biological Chemistry</i> , 2010 , 285, 40979-90	5.4	40
113	RhoA activation and actin reorganization involved in endothelial CAM-mediated endocytosis of anti-PECAM carriers: critical role for tyrosine 686 in the cytoplasmic tail of PECAM-1. <i>Blood</i> , 2008 , 111, 3024-33	2.2	40
112	Defining a minimal motif required to prevent connexin oligomerization in the endoplasmic reticulum. <i>Journal of Biological Chemistry</i> , 2005 , 280, 21115-21	5.4	40
111	Junctional abnormalities in human airway epithelial cells expressing F508del CFTR. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015 , 309, L475-87	5.8	39
110	Nanostructure-mediated transport of biologics across epithelial tissue: enhancing permeability via nanotopography. <i>Nano Letters</i> , 2013 , 13, 164-71	11.5	39

109	Hyperglycemia impedes lung bacterial clearance in a murine model of cystic fibrosis-related diabetes. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2014 , 306, L43-9	5.8	39
108	Demyelinating and nondemyelinating strains of mouse hepatitis virus differ in their neural cell tropism. <i>Journal of Virology</i> , 2008 , 82, 5519-26	6.6	38
107	The relative balance of GM-CSF and TGF- β regulates lung epithelial barrier function. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015 , 308, L1212-23	5.8	37
106	Roles for claudins in alveolar epithelial barrier function. <i>Annals of the New York Academy of Sciences</i> , 2012 , 1257, 167-74	6.5	37
105	Spontaneous lung dysfunction and fibrosis in mice lacking connexin 40 and endothelial cell connexin 43. <i>American Journal of Pathology</i> , 2011 , 178, 2536-46	5.8	37
104	Nadph oxidase regulates alveolar epithelial sodium channel activity and lung fluid balance in vivo via O $_2^{\cdot-}$ signaling. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2012 , 302, L410-9 ⁸	5.8	37
103	Chronic alcohol ingestion exacerbates lung epithelial barrier dysfunction in HIV-1 transgenic rats. <i>Alcoholism: Clinical and Experimental Research</i> , 2011 , 35, 1866-75	3.7	35
102	Cell-cell interactions in regulating lung function. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2004 , 287, L455-9	5.8	33
101	Identification of rab20 as a potential regulator of connexin 43 trafficking. <i>Cell Communication and Adhesion</i> , 2008 , 15, 65-74		29
100	NF- κ B inhibitors impair lung epithelial tight junctions in the absence of inflammation. <i>Tissue Barriers</i> , 2015 , 3, e982424	4.3	28
99	Nanotopography facilitates in vivo transdermal delivery of high molecular weight therapeutics through an integrin-dependent mechanism. <i>Nano Letters</i> , 2015 , 15, 2434-41	11.5	28
98	HNF4 β regulates claudin-7 protein expression during intestinal epithelial differentiation. <i>American Journal of Pathology</i> , 2015 , 185, 2206-18	5.8	27
97	PPAR γ regulates Mitochondrial Structure and Function and Human Pulmonary Artery Smooth Muscle Cell Proliferation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2018 , 58, 648-657	5.7	27
96	Cytoplasmic amino acids within the membrane interface region influence connexin oligomerization. <i>Journal of Membrane Biology</i> , 2012 , 245, 221-30	2.3	26
95	Insulin signaling via the PI3-kinase/Akt pathway regulates airway glucose uptake and barrier function in a CFTR-dependent manner. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017 , 312, L688-L702	5.8	25
94	Junctional adhesion molecule A promotes epithelial tight junction assembly to augment lung barrier function. <i>American Journal of Pathology</i> , 2015 , 185, 372-86	5.8	25
93	Nicotine stimulates nerve growth factor in lung fibroblasts through an NFB-dependent mechanism. <i>PLoS ONE</i> , 2014 , 9, e109602	3.7	25
92	Endothelial Pannexin 1 Channels Control Inflammation by Regulating Intracellular Calcium. <i>Journal of Immunology</i> , 2020 , 204, 2995-3007	5.3	24

91	PPAR δ ligands regulate NADPH oxidase, eNOS, and barrier function in the lung following chronic alcohol ingestion. <i>Alcoholism: Clinical and Experimental Research</i> , 2012 , 36, 197-206	3.7	24
90	Gap junctional communication modulates agonist-induced calcium oscillations in transfected HeLa cells. <i>Journal of Cell Science</i> , 2004 , 117, 881-7	5.3	24
89	Association with ZO-1 correlates with plasma membrane partitioning in truncated connexin45 mutants. <i>Journal of Membrane Biology</i> , 2005 , 207, 45-53	2.3	24
88	Tight junctions, but not too tight: fine control of lung permeability by claudins. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2009 , 297, L217-8	5.8	23
87	Restoration of Na ⁺ /H ⁺ exchanger NHE3-containing macrocomplexes ameliorates diabetes-associated fluid loss. <i>Journal of Clinical Investigation</i> , 2015 , 125, 3519-31	15.9	23
86	Enhanced Clearance of <i>Pseudomonas aeruginosa</i> by Peroxisome Proliferator-Activated Receptor Gamma. <i>Infection and Immunity</i> , 2016 , 84, 1975-1985	3.7	23
85	Epidermal Growth Factor Improves Intestinal Integrity and Survival in Murine Sepsis Following Chronic Alcohol Ingestion. <i>Shock</i> , 2017 , 47, 184-192	3.4	22
84	Myosin light chain kinase knockout improves gut barrier function and confers a survival advantage in polymicrobial sepsis. <i>Molecular Medicine</i> , 2017 , 23, 155-165	6.2	22
83	Autologous apoptotic cell engulfment stimulates chemokine secretion by vascular smooth muscle cells. <i>American Journal of Pathology</i> , 2005 , 167, 345-53	5.8	22
82	Connexin45 interacts with zonula occludens-1 in osteoblastic cells. <i>Cell Communication and Adhesion</i> , 2001 , 8, 209-12		20
81	Ruffles and spikes: Control of tight junction morphology and permeability by claudins. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020 , 1862, 183339	3.8	18
80	Time-dependent PPAR δ Modulation of HIF-1 β Signaling in Hypoxic Pulmonary Artery Smooth Muscle Cells. <i>American Journal of the Medical Sciences</i> , 2016 , 352, 71-9	2.2	18
79	Peroxisome proliferator-activated receptor- δ agonists attenuate biofilm formation by. <i>FASEB Journal</i> , 2017 , 31, 3608-3621	0.9	17
78	Peroxisome proliferator-activated receptor- δ enhances human pulmonary artery smooth muscle cell apoptosis through microRNA-21 and programmed cell death 4. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017 , 313, L371-L383	5.8	17
77	Systems Proteomics View of the Endogenous Human Claudin Protein Family. <i>Journal of Proteome Research</i> , 2016 , 15, 339-59	5.6	17
76	Peroxisome Proliferator-Activated Receptor δ Regulates Chronic Alcohol-Induced Alveolar Macrophage Dysfunction. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2016 , 55, 35-46	5.7	17
75	<i>Pseudomonas aeruginosa</i> Induced Host Epithelial Cell Mitochondrial Dysfunction. <i>Scientific Reports</i> , 2019 , 9, 11929	4.9	17
74	The cataract related mutation N188T in human connexin46 (hCx46) revealed a critical role for residue N188 in the docking process of gap junction channels. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016 , 1858, 57-66	3.8	16

73	Regulation of connexin43 oligomerization is saturable. <i>Cell Communication and Adhesion</i> , 2005 , 12, 237-47		15
72	Consideration of Pannexin 1 channels in COVID-19 pathology and treatment. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020 , 319, L121-L125	5.8	14
71	The measurement of nitric oxide production by cultured endothelial cells. <i>Methods in Enzymology</i> , 2005 , 396, 502-14	1.7	14
70	Differential oligomerization of endoplasmic reticulum-retained connexin43/connexin32 chimeras. <i>Cell Communication and Adhesion</i> , 2003 , 10, 319-22		13
69	Detrimental effects of flame retardant, PBB153, exposure on sperm and future generations. <i>Scientific Reports</i> , 2020 , 10, 8567	4.9	13
68	A venous-specific purinergic signaling cascade initiated by Pannexin 1 regulates TNF α induced increases in endothelial permeability. <i>Science Signaling</i> , 2021 , 14,	8.8	13
67	Hypoxia inhibits expression and function of mitochondrial thioredoxin 2 to promote pulmonary hypertension. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017 , 312, L599-L608	5.8	12
66	Degradation of gap junction connexins is regulated by the interaction with Cx43-interacting protein of 75 kDa (CIP75). <i>Biochemical Journal</i> , 2015 , 466, 571-85	3.8	12
65	Hyperoxia induces paracellular leak and alters claudin expression by neonatal alveolar epithelial cells. <i>Pediatric Pulmonology</i> , 2018 , 53, 17-27	3.5	10
64	Control of lung epithelial growth by a nicotinic acetylcholine receptor: the other side of the coin. <i>American Journal of Pathology</i> , 2009 , 175, 1799-801	5.8	9
63	Age-determined expression of priming protease TMPRSS2 and localization of SARS-CoV-2 infection in the lung epithelium 2020 ,		9
62	Redox Biology of Peroxisome Proliferator-Activated Receptor- γ in Pulmonary Hypertension. <i>Antioxidants and Redox Signaling</i> , 2019 , 31, 874-897	8.4	9
61	Mortality in US veterans with pulmonary hypertension: a retrospective analysis of survival by subtype and baseline factors. <i>Pulmonary Circulation</i> , 2019 , 9, 2045894019825763	2.7	9
60	Calibrated flux measurements reveal a nanostructure-stimulated transcytotic pathway. <i>Experimental Cell Research</i> , 2017 , 355, 153-161	4.2	8
59	Smooth Muscle-Targeted Overexpression of Peroxisome Proliferator Activated Receptor- α Disrupts Vascular Wall Structure and Function. <i>PLoS ONE</i> , 2015 , 10, e0139756	3.7	8
58	Glial Cell Line-Derived Neurotrophic Factor Enhances Autophagic Flux in Mouse and Rat Hepatocytes and Protects Against Palmitate Lipotoxicity. <i>Hepatology</i> , 2019 , 69, 2455-2470	11.2	7
57	Keratinocyte growth factor improves alveolar barrier function: keeping claudins in line. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2010 , 299, L721-3	5.8	6
56	Effects of different routes of endotoxin injury on barrier function in alcoholic lung syndrome. <i>Alcohol</i> , 2019 , 80, 81-89	2.7	6

55	A scalable workflow to characterize the human exposome. <i>Nature Communications</i> , 2021 , 12, 5575	17.4	6
54	Pharmacological stimulation of G-protein coupled receptor 40 alleviates cytokine-induced epithelial barrier disruption in airway epithelial Calu-3 cells. <i>International Immunopharmacology</i> , 2019 , 73, 353-361	5.8	5
53	Data of the molecular dynamics simulations of mutations in the human connexin46 docking interface. <i>Data in Brief</i> , 2016 , 7, 93-9	1.2	5
52	Regulation of Gap Junction Proteins by Alveolar Epithelial Cells in Response to Injury. <i>Chest</i> , 1999 , 116, 35S	5.3	5
51	UPR modulation of host immunity by <i>Pseudomonas aeruginosa</i> in cystic fibrosis. <i>Clinical Science</i> , 2020 , 134, 1911-1934	6.5	5
50	Nanoscale Antioxidant Therapeutics 2006 , 1023-1043		4
49	Sphingomyelin synthesis in endosomal compartments?. <i>Trends in Cell Biology</i> , 1995 , 5, 148-9; author reply 149	18.3	4
48	Nanotopography Enhances Dynamic Remodeling of Tight Junction Proteins through Cytosolic Liquid Complexes. <i>ACS Nano</i> , 2020 , 14, 13192-13202	16.7	4
47	Mechanisms of Connexin Regulating Peptides. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	4
46	<i>Azadirachta indica</i> A. Juss bark extract and its Nimbin isomers restrict Coronavirus infection and replication.. <i>Virology</i> , 2022 , 569, 13-28	3.6	4
45	Two common human CLDN5 alleles encode different open reading frames but produce one protein isoform. <i>Annals of the New York Academy of Sciences</i> , 2017 , 1397, 119-129	6.5	3
44	The Pulmonary Microcirculation 2008 , 712-734		3
43	Cx43/beta-gal inhibits Cx43 transport in the Golgi apparatus. <i>Cell Communication and Adhesion</i> , 2001 , 8, 249-52		3
42	HTI56, An Integral Apical Membrane Protein of the Human Alveolar Type I Cell, Is a Biochemical Marker of Acute Lung Injury. <i>Chest</i> , 1999 , 116, 35S-36S	5.3	3
41	Biochemical analysis of claudin-binding compatibility. <i>Methods in Molecular Biology</i> , 2011 , 762, 13-26	1.4	3
40	Junctional Interplay in Lung Epithelial Barrier Function 2017 , 1-20		2
39	The Pulmonary Microcirculation 2008 , 712-734		2
38	Asymmetric distribution of dynamin-2 and β -catenin relative to tight junction spikes in alveolar epithelial cells. <i>Tissue Barriers</i> , 2021 , 9, 1929786	4.3	2

37	PPAR α increases HUWE1 to attenuate NF- κ B/p65 and sickle cell disease with pulmonary hypertension. <i>Blood Advances</i> , 2021 , 5, 399-413	7.8	2
36	Pannexin 1 as a driver of inflammation and ischemia-reperfusion injury. <i>Purinergic Signalling</i> , 2021 , 1	3.8	2
35	Above the Matrix: Functional Roles for Apically Localized Integrins. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 699407	5.7	2
34	Mucosal Barrier Defects: What Have We Learned from Atopic Dermatitis, Asthma, and Allergic Rhinitis?. <i>Current Otorhinolaryngology Reports</i> , 2020 , 8, 19-23	0.5	1
33	JAM-A regulates permeability and inflammation in the intestine in vivo. <i>Journal of Cell Biology</i> , 2007 , 179, i14-i14	7.3	1
32	Nanotopography enhances dynamic remodeling of tight junction proteins through cytosolic complexes		1
31	Pioglitazone Reverses Alcohol-Induced Alveolar Macrophage Phagocytic Dysfunction. <i>Journal of Immunology</i> , 2021 , 207, 483-492	5.3	1
30	Alteration of Membrane Cholesterol Content Plays a Key Role in Regulation of Cystic Fibrosis Transmembrane Conductance Regulator Channel Activity. <i>Frontiers in Physiology</i> , 2021 , 12, 652513	4.6	1
29	Use of Super-resolution Immunofluorescence Microscopy to Analyze Tight Junction Protein Interactions in situ. <i>Microscopy and Microanalysis</i> , 2016 , 22, 1014-1015	0.5	1
28	Measurement of Lung Vessel and Epithelial Permeability In Vivo with Evans Blue. <i>Methods in Molecular Biology</i> , 2021 , 2367, 137-148	1.4	1
27	Sphingomyelinase decreases transepithelial anion secretion in airway epithelial cells in part by inhibiting CFTR-mediated apical conductance. <i>Physiological Reports</i> , 2021 , 9, e14928	2.6	1
26	Alcohol and the Alveolar Epithelium. <i>Respiratory Medicine</i> , 2014 , 83-101	0.2	1
25	A medium composition containing normal resting glucose that supports differentiation of primary human airway cells.. <i>Scientific Reports</i> , 2022 , 12, 1540	4.9	0
24	Integrated evaluation of lung disease in single animals. <i>PLoS ONE</i> , 2021 , 16, e0246270	3.7	0
23	Mechanistic analysis and significance of sphingomyelinase-mediated decreases in transepithelial CFTR currents in nHBES. <i>Physiological Reports</i> , 2021 , 9, e15023	2.6	0
22	New insights into the mechanism of alcohol-mediated organ damage via its impact on immunity, metabolism, and repair pathways: A Summary of the 2021 Alcohol and Immunology Research Interest Group (AIRIG) meeting. <i>Alcohol</i> , 2022 ,	2.7	0
21	Structure and Function of Epithelial and Endothelial Barriers 2016 , 3-39		
20	Claudin-7 in Colonic Intestinal Epithelial Cell Differentiation and IBD. <i>Inflammatory Bowel Diseases</i> , 2012 , 18, S97-S98	4.5	

19	Gap Junctions: Connexin Functions and Roles in Human Disease	197-216	
18	Peroxisome Proliferator-Activated Receptor gamma (PPAR γ) ligand, 15d-PGJ ₂ , represses pro-inflammatory responses in vascular endothelial cells: The role of nitric oxide. <i>FASEB Journal</i> , 2006 , 20, A1165		0.9
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