

Michael Koval

List of Publications by Year in descending order

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186
papers

9,419
citations

26630

56
h-index

45317

90
g-index

197
all docs

197
docs citations

197
times ranked

9923
citing authors

#	ARTICLE	IF	CITATIONS
1	JAM-A regulates permeability and inflammation in the intestine in vivo. <i>Journal of Experimental Medicine</i> , 2007, 204, 3067-3076.	8.5	423
2	A novel endocytic pathway induced by clustering endothelial ICAM-1 or PECAM-1. <i>Journal of Cell Science</i> , 2003, 116, 1599-1609.	2.0	278
3	Conformational dynamics of individual DNA molecules during gel electrophoresis. <i>Nature</i> , 1989, 338, 520-522.	27.8	271
4	Gap Junctional Communication Modulates Gene Expression in Osteoblastic Cells. <i>Molecular Biology of the Cell</i> , 1998, 9, 2249-2258.	2.1	238
5	Intracellular transport and metabolism of sphingomyelin. <i>Lipids and Lipid Metabolism</i> , 1991, 1082, 113-125.	2.6	218
6	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, 2169-2181.	5.2	214
7	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, 22147-22155.	3.4	187
8	Rosiglitazone Attenuates Chronic Hypoxia-Induced Pulmonary Hypertension in a Mouse Model. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2010, 42, 482-490.	2.9	176
9	Regulation and roles for claudin family tight junction proteins. <i>IUBMB Life</i> , 2009, 61, 431-437.	3.4	174
10	The Contribution of Epithelial Sodium Channels to Alveolar Function in Health and Disease. <i>Annual Review of Physiology</i> , 2009, 71, 403-423.	13.1	170
11	Transfected connexin45 alters gap junction permeability in cells expressing endogenous connexin43.. <i>Journal of Cell Biology</i> , 1995, 130, 987-995.	5.2	160
12	CD45 regulates Src family member kinase activity associated with macrophage integrin-mediated adhesion. <i>Current Biology</i> , 1997, 7, 408-417.	3.9	155
13	Size of IgG-Opsonized Particles Determines Macrophage Response during Internalization. <i>Experimental Cell Research</i> , 1998, 242, 265-273.	2.6	155
14	Connexin46 Is Retained as Monomers in a trans-Golgi Compartment of Osteoblastic Cells. <i>Journal of Cell Biology</i> , 1997, 137, 847-857.	5.2	154
15	Claudins: Gatekeepers of lung epithelial function. <i>Seminars in Cell and Developmental Biology</i> , 2015, 42, 47-57.	5.0	144
16	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-C1347.	4.6	142
17	Heterogeneity of Claudin Expression by Alveolar Epithelial Cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2003, 29, 62-70.	2.9	140
18	ICAM-1 recycling in endothelial cells: a novel pathway for sustained intracellular delivery and prolonged effects of drugs. <i>Blood</i> , 2005, 105, 650-658.	1.4	134

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19	Regulation of Heterotypic Claudin Compatibility. <i>Journal of Biological Chemistry</i> , 2007, 282, 30005-30013.	3.4	133
20	PPAR β 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-L566.	2.9	131
21	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, 429-442.	5.2	122
22	Pathways and control of connexin oligomerization. <i>Trends in Cell Biology</i> , 2006, 16, 159-166.	7.9	116
23	Claudin Heterogeneity and Control of Lung Tight Junctions. <i>Annual Review of Physiology</i> , 2013, 75, 551-567.	13.1	116
24	Mix and match: Investigating heteromeric and heterotypic gap junction channels in model systems and native tissues. <i>FEBS Letters</i> , 2014, 588, 1193-1204.	2.8	114
25	A Key Claudin Extracellular Loop Domain is Critical for Epithelial Barrier Integrity. <i>American Journal of Pathology</i> , 2008, 172, 905-915.	3.8	108
26	Age-determined expression of priming protease TMPRSS2 and localization of SARS-CoV-2 in lung epithelium. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	108
27	Endothelial Endocytic Pathways: Gates for Vascular Drug Delivery. <i>Current Vascular Pharmacology</i> , 2004, 2, 281-299.	1.7	104
28	Proinflammatory cytokine-induced tight junction remodeling through dynamic self-assembly of claudins. <i>Molecular Biology of the Cell</i> , 2014, 25, 2710-2719.	2.1	100
29	Size-dependent intracellular immunotargeting of therapeutic cargoes into endothelial cells. <i>Blood</i> , 2002, 99, 912-922.	1.4	99
30	Connexin45 Interacts with Zonula Occludens-1 and Connexin43 in Osteoblastic Cells. <i>Journal of Biological Chemistry</i> , 2001, 276, 23051-23055.	3.4	97
31	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, 381-391.	2.1	97
32	A key role for mitochondria in endothelial signaling by plasma cysteine/cystine redox potential. <i>Free Radical Biology and Medicine</i> , 2010, 48, 275-283.	2.9	95
33	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-L49.	2.9	93
34	MAPK Phosphorylation of Connexin 43 Promotes Binding of Cyclin E and Smooth Muscle Cell Proliferation. <i>Circulation Research</i> , 2012, 111, 201-211.	4.5	89
35	The dynamics of chromosome movement in the budding yeast <i>Saccharomyces cerevisiae</i> .. <i>Journal of Cell Biology</i> , 1989, 109, 3355-3366.	5.2	86
36	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, 2279-2293.	2.0	86

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37	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, 487-499.	2.6	84
38	Claudins: Control of Barrier Function and Regulation in Response to Oxidant Stress. <i>Antioxidants and Redox Signaling</i> , 2011, 15, 1179-1193.	5.4	83
39	Regulation of claudin/zonula occludens-1 complexes by hetero-claudin interactions. <i>Nature Communications</i> , 2016, 7, 12276.	12.8	83
40	Developmental regulation of claudin localization by fetal alveolar epithelial cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2004, 287, L1266-L1273.	2.9	81
41	Connexins: Synthesis, Post-Translational Modifications, and Trafficking in Health and Disease. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1296.	4.1	81
42	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-L496.	2.9	75
43	ERp29 Restricts Connexin43 Oligomerization in the Endoplasmic Reticulum. <i>Molecular Biology of the Cell</i> , 2009, 20, 2593-2604.	2.1	75
44	Targeted Gap Junction Protein Constructs Reveal Connexin-specific Differences in Oligomerization. <i>Journal of Biological Chemistry</i> , 2002, 277, 20911-20918.	3.4	74
45	Cross-Talk Between Pulmonary Injury, Oxidant Stress, and Gap Junctional Communication. <i>Antioxidants and Redox Signaling</i> , 2009, 11, 355-367.	5.4	73
46	Extracellular Matrix Influences Alveolar Epithelial Claudin Expression and Barrier Function. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2010, 42, 172-180.	2.9	68
47	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.	2.9	68
48	Desmosome Assembly and Disassembly Are Membrane Raft-Dependent. <i>PLoS ONE</i> , 2014, 9, e87809.	2.5	67
49	Alcohol Abuse and Acute Lung Injury: Epidemiology and Pathophysiology of a Recently Recognized Association. <i>Journal of Investigative Medicine</i> , 2005, 53, 235-246.	1.6	66
50	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-L817.	2.9	66
51	HIV-1 transgene expression in rats causes oxidant stress and alveolar epithelial barrier dysfunction. <i>AIDS Research and Therapy</i> , 2009, 6, 1.	1.7	65
52	Claudins—Key Pieces in the Tight Junction Puzzle. <i>Cell Communication and Adhesion</i> , 2006, 13, 127-138.	1.0	64
53	Specificity of Interaction between <i>Clostridium perfringens</i> Enterotoxin and Claudin-Family Tight Junction Proteins. <i>Toxins</i> , 2010, 2, 1595-1611.	3.4	62
54	Role of SGK1 in nitric oxide inhibition of ENaC in Na ⁺ -transporting epithelia. <i>American Journal of Physiology - Cell Physiology</i> , 2005, 289, C717-C726.	4.6	61

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55	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-L277.	2.9	61
56	Chronic alcohol ingestion alters claudin expression in the alveolar epithelium of rats. <i>Alcohol</i> , 2007, 41, 371-379.	1.7	60
57	Metabolism of 3-Nitrotyrosine Induces Apoptotic Death in Dopaminergic Cells. <i>Journal of Neuroscience</i> , 2006, 26, 6124-6130.	3.6	58
58	Angiotensin II mediates glutathione depletion, transforming growth factor- β 21 expression, and epithelial barrier dysfunction in the alcoholic rat lung. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2005, 289, L363-L370.	2.9	57
59	Sharing signals: connecting lung epithelial cells with gap junction channels. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2002, 283, L875-L893.	2.9	56
60	Endothelial Pannexin 1 Channels Control Inflammation by Regulating Intracellular Calcium. <i>Journal of Immunology</i> , 2020, 204, 2995-3007.	0.8	55
61	Differential pathways of claudin oligomerization and integration into tight junctions. <i>Tissue Barriers</i> , 2013, 1, e24518.	3.2	54
62	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-L441.	2.9	54
63	Heterocellular gap junctional communication between alveolar epithelial cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2001, 280, L1085-L1093.	2.9	53
64	Junctional abnormalities in human airway epithelial cells expressing F508del CFTR. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015, 309, L475-L487.	2.9	53
65	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-H2804.	3.2	52
66	Ruffles and spikes: Control of tight junction morphology and permeability by claudins. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020, 1862, 183339.	2.6	52
67	Multimeric connexin interactions prior to the trans-Golgi network. <i>Journal of Cell Science</i> , 2001, 114, 4013-4024.	2.0	52
68	The relative balance of GM-CSF and TGF- β 21 regulates lung epithelial barrier function. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015, 308, L1212-L1223.	2.9	51
69	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-L834.	2.9	50
70	Roles for claudins in alveolar epithelial barrier function. <i>Annals of the New York Academy of Sciences</i> , 2012, 1257, 167-174.	3.8	50
71	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-L49.	2.9	49
72	Defining a Minimal Motif Required to Prevent Connexin Oligomerization in the Endoplasmic Reticulum. <i>Journal of Biological Chemistry</i> , 2005, 280, 21115-21121.	3.4	47

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73	Chronic Alcohol Ingestion Increases Mortality and Organ Injury in a Murine Model of Septic Peritonitis. <i>PLoS ONE</i> , 2013, 8, e62792.	2.5	47
74	PPAR β 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.	2.9	47
75	Demyelinating and Nondemyelinating Strains of Mouse Hepatitis Virus Differ in Their Neural Cell Tropism. <i>Journal of Virology</i> , 2008, 82, 5519-5526.	3.4	46
76	Ubiquitin-independent Proteasomal Degradation of Endoplasmic Reticulum-localized Connexin43 Mediated by CIP75. <i>Journal of Biological Chemistry</i> , 2010, 285, 40979-40990.	3.4	46
77	Nanostructure-Mediated Transport of Biologics across Epithelial Tissue: Enhancing Permeability via Nanotopography. <i>Nano Letters</i> , 2013, 13, 164-171.	9.1	44
78	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, 3024-3033.	1.4	42
79	Spontaneous Lung Dysfunction and Fibrosis in Mice Lacking Connexin 40 and Endothelial Cell Connexin 43. <i>American Journal of Pathology</i> , 2011, 178, 2536-2546.	3.8	42
80	Chronic Alcohol Ingestion Exacerbates Lung Epithelial Barrier Dysfunction in HIV-1 Transgenic Rats. <i>Alcoholism: Clinical and Experimental Research</i> , 2011, 35, 1866-1875.	2.4	42
81	Nadph oxidase regulates alveolar epithelial sodium channel activity and lung fluid balance in vivo via O ₂ ^{•-} signaling. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2012, 302, L410-L419.	2.9	42
82	Cell-cell interactions in regulating lung function. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2004, 287, L455-L459.	2.9	38
83	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.	2.9	36
84	Restoration of Na ⁺ /H ⁺ exchanger NHE3-containing macrocomplexes ameliorates diabetes-associated fluid loss. <i>Journal of Clinical Investigation</i> , 2015, 125, 3519-3531.	8.2	36
85	Nanotopography Facilitates in Vivo Transdermal Delivery of High Molecular Weight Therapeutics through an Integrin-Dependent Mechanism. <i>Nano Letters</i> , 2015, 15, 2434-2441.	9.1	35
86	Junctional Adhesion Molecule A Promotes Epithelial Tight Junction Assembly to Augment Lung Barrier Function. <i>American Journal of Pathology</i> , 2015, 185, 372-386.	3.8	35
87	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.	4.4	35
88	NF- κ B inhibitors impair lung epithelial tight junctions in the absence of inflammation. <i>Tissue Barriers</i> , 2015, 3, e982424.	3.2	34
89	PPAR β 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.	2.4	32
90	HNF4 α Regulates Claudin-7 Protein Expression during Intestinal Epithelial Differentiation. <i>American Journal of Pathology</i> , 2015, 185, 2206-2218.	3.8	32

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91	Detrimental effects of flame retardant, PBB153, exposure on sperm and future generations. <i>Scientific Reports</i> , 2020, 10, 8567.	3.3	32
92	Nicotine Stimulates Nerve Growth Factor in Lung Fibroblasts through an NF κ B-Dependent Mechanism. <i>PLoS ONE</i> , 2014, 9, e109602.	2.5	32
93	Identification of rab20 as a Potential Regulator of Connexin43 Trafficking. <i>Cell Communication and Adhesion</i> , 2008, 15, 65-74.	1.0	31
94	Cytoplasmic Amino Acids within the Membrane Interface Region Influence Connexin Oligomerization. <i>Journal of Membrane Biology</i> , 2012, 245, 221-230.	2.1	31
95	Enhanced Clearance of <i>Pseudomonas aeruginosa</i> by Peroxisome Proliferator-Activated Receptor Gamma. <i>Infection and Immunity</i> , 2016, 84, 1975-1985.	2.2	31
96	A scalable workflow to characterize the human exposome. <i>Nature Communications</i> , 2021, 12, 5575.	12.8	31
97	<i>Pseudomonas aeruginosa</i> Induced Host Epithelial Cell Mitochondrial Dysfunction. <i>Scientific Reports</i> , 2019, 9, 11929.	3.3	30
98	A venous-specific purinergic signaling cascade initiated by Pannexin 1 regulates TNF α -induced increases in endothelial permeability. <i>Science Signaling</i> , 2021, 14, .	3.6	30
99	Epidermal Growth Factor Improves Intestinal Integrity and Survival in Murine Sepsis Following Chronic Alcohol Ingestion. <i>Shock</i> , 2017, 47, 184-192.	2.1	29
100	Peroxisome proliferator-activated receptor β agonists attenuate biofilm formation by <i>Pseudomonas aeruginosa</i> . <i>FASEB Journal</i> , 2017, 31, 3608-3621.	0.5	29
101	Peroxisome proliferator-activated receptor β 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.	2.9	28
102	Peroxisome Proliferator-Activated Receptor β Regulates Chronic Alcohol-Induced Alveolar Macrophage Dysfunction. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2016, 55, 35-46.	2.9	27
103	Gap junctional communication modulates agonist-induced calcium oscillations in transfected HeLa cells. <i>Journal of Cell Science</i> , 2004, 117, 881-887.	2.0	26
104	Systems Proteomics View of the Endogenous Human Claudin Protein Family. <i>Journal of Proteome Research</i> , 2016, 15, 339-359.	3.7	26
105	Association with ZO-1 Correlates with Plasma Membrane Partitioning in Truncated Connexin45 Mutants. <i>Journal of Membrane Biology</i> , 2005, 207, 45-53.	2.1	25
106	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-L218.	2.9	25
107	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.	2.9	24
108	Autologous Apoptotic Cell Engulfment Stimulates Chemokine Secretion by Vascular Smooth Muscle Cells. <i>American Journal of Pathology</i> , 2005, 167, 345-353.	3.8	23

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109	Time-dependent PPAR β Modulation of HIF-1 α Signaling in Hypoxic Pulmonary Artery Smooth Muscle Cells. <i>American Journal of the Medical Sciences</i> , 2016, 352, 71-79.	1.1	23
110	Pannexin 1 as a driver of inflammation and ischemia-reperfusion injury. <i>Purinergic Signalling</i> , 2021, 17, 521-531.	2.2	22
111	Connexin45 Interacts with Zonula Occludens-1 in Osteoblastic Cells. <i>Cell Communication and Adhesion</i> , 2001, 8, 209-212.	1.0	20
112	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.	2.6	20
113	Redox Biology of Peroxisome Proliferator-Activated Receptor- β in Pulmonary Hypertension. <i>Antioxidants and Redox Signaling</i> , 2019, 31, 874-897.	5.4	20
114	Mortality in US veterans with pulmonary hypertension: a retrospective analysis of survival by subtype and baseline factors. <i>Pulmonary Circulation</i> , 2019, 9, 1-12.	1.7	20
115	Regulation of Connexin43 Oligomerization is Saturable. <i>Cell Communication and Adhesion</i> , 2005, 12, 237-247.	1.0	16
116	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.	7.3	15
117	Mechanisms of Connexin Regulating Peptides. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10186.	4.1	15
118	Azadirachta indica A. Juss bark extract and its Nimbin isomers restrict β -coronaviral infection and replication. <i>Virology</i> , 2022, 569, 13-28.	2.4	15
119	Differential Oligomerization of Endoplasmic Reticulum-Retained Connexin43/Connexin32 Chimeras. <i>Cell Communication and Adhesion</i> , 2003, 10, 319-322.	1.0	14
120	The Measurement of Nitric Oxide Production by Cultured Endothelial Cells. <i>Methods in Enzymology</i> , 2005, 396, 502-514.	1.0	14
121	Degradation of gap junction connexins is regulated by the interaction with Cx43-interacting protein of 75 kDa (CIP75). <i>Biochemical Journal</i> , 2015, 466, 571-585.	3.7	14
122	Hyperoxia induces paracellular leak and alters claudin expression by neonatal alveolar epithelial cells. <i>Pediatric Pulmonology</i> , 2018, 53, 17-27.	2.0	14
123	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.	2.9	12
124	Above the Matrix: Functional Roles for Apically Localized Integrins. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 699407.	3.7	12
125	Effects of different routes of endotoxin injury on barrier function in alcoholic lung syndrome. <i>Alcohol</i> , 2019, 80, 81-89.	1.7	11
126	Nanotopography Enhances Dynamic Remodeling of Tight Junction Proteins through Cytosolic Liquid Complexes. <i>ACS Nano</i> , 2020, 14, 13192-13202.	14.6	11

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127	Measurement of Lung Vessel and Epithelial Permeability In Vivo with Evans Blue. <i>Methods in Molecular Biology</i> , 2021, 2367, 137-148.	0.9	11
128	Calibrated flux measurements reveal a nanostructure-stimulated transcytotic pathway. <i>Experimental Cell Research</i> , 2017, 355, 153-161.	2.6	10
129	Pharmacological stimulation of Gαq protein coupled receptor 40 alleviates cytokine-induced epithelial barrier disruption in airway epithelial Calu-3 cells. <i>International Immunopharmacology</i> , 2019, 73, 353-361.	3.8	10
130	Control of Lung Epithelial Growth by a Nicotinic Acetylcholine Receptor. <i>American Journal of Pathology</i> , 2009, 175, 1799-1801.	3.8	9
131	Smooth Muscle-Targeted Overexpression of Peroxisome Proliferator Activated Receptor- β Disrupts Vascular Wall Structure and Function. <i>PLoS ONE</i> , 2015, 10, e0139756.	2.5	9
132	Pioglitazone Reverses Alcohol-Induced Alveolar Macrophage Phagocytic Dysfunction. <i>Journal of Immunology</i> , 2021, 207, 483-492.	0.8	9
133	Two common human <i>CLDN5</i> 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.	3.8	8
134	Sphingomyelinase decreases transepithelial anion secretion in airway epithelial cells in part by inhibiting CFTR-mediated apical conductance. <i>Physiological Reports</i> , 2021, 9, e14928.	1.7	8
135	UPR modulation of host immunity by <i>Pseudomonas aeruginosa</i> in cystic fibrosis. <i>Clinical Science</i> , 2020, 134, 1911-1934.	4.3	8
136	A medium composition containing normal resting glucose that supports differentiation of primary human airway cells. <i>Scientific Reports</i> , 2022, 12, 1540.	3.3	7
137	Regulation of Gap Junction Proteins by Alveolar Epithelial Cells in Response to Injury. <i>Chest</i> , 1999, 116, 35S.	0.8	6
138	Nanoscale Antioxidant Therapeutics. , 2006, , 1023-1043.		6
139	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-L723.	2.9	6
140	Data of the molecular dynamics simulations of mutations in the human connexin46 docking interface. <i>Data in Brief</i> , 2016, 7, 93-99.	1.0	6
141	PPAR β increases HUIWE1 to attenuate NF- κ B/p65 and sickle cell disease with pulmonary hypertension. <i>Blood Advances</i> , 2021, 5, 399-413.	5.2	6
142	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.	0.8	5
143	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.	2.8	5
144	Sphingomyelin synthesis in endosomal compartments?. <i>Trends in Cell Biology</i> , 1995, 5, 148-149.	7.9	4

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145	Junctional Interplay in Lung Epithelial Barrier Function. , 2017, , 1-20.		4
146	Asymmetric distribution of dynamin-2 and β -catenin relative to tight junction spikes in alveolar epithelial cells. Tissue Barriers, 2021, 9, 1929786.	3.2	4
147	Biochemical Analysis of Claudin-Binding Compatibility. Methods in Molecular Biology, 2011, 762, 13-26.	0.9	4
148	Cx43/ β -Gal Inhibits Cx43 Transport in the Golgi Apparatus. Cell Communication and Adhesion, 2001, 8, 249-252.	1.0	3
149	The Pulmonary Microcirculation. , 2008, , 712-734.		3
150	The Effect of PGC-1alpha-SIRT3 Pathway Activation on Pseudomonas aeruginosa Infection. Pathogens, 2022, 11, 116.	2.8	3
151	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. Alcohol, 2022, , .	1.7	3
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