Asrar B Malik

List of Publications by Year
in descending order

334 papers	31,561 citations	2795 94 h-index	5364 164 g-index
342 all docs	342 docs citations	342 times ranked	34128 citing authors

#	Article	IF	Citations
1	Reactive Oxygen Species in Inflammation and Tissue Injury. Antioxidants and Redox Signaling, 2014, 20, 1126-1167.	2.5	3,036
2	Signaling Mechanisms Regulating Endothelial Permeability. Physiological Reviews, 2006, 86, 279-367.	13.1	1,496
3	NF-Î¹B activation as a pathological mechanism of septic shock and inflammation. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2006, 290, L622-L645.	1.3	667
4	Regulation of Endothelial Permeability via Paracellular and Transcellular Transport Pathways. Annual Review of Physiology, 2010, 72, 463-493.	5.6	553
5	Regulation of Endothelial Junctional Permeability. Annals of the New York Academy of Sciences, 2008, 1123, 134-145.	1.8	501
6	Inhibition of the Glycolytic Activator PFKFB3 in Endothelium Induces Tumor Vessel Normalization, Impairs Metastasis, and Improves Chemotherapy. Cancer Cell, 2016, 30, 968-985.	7.7	464
7	NADPH Oxidase-Dependent Signaling in Endothelial Cells: Role in Physiology and Pathophysiology. Antioxidants and Redox Signaling, 2009, 11, 791-810.	2.5	355
8	Impairment of Store-Operated Ca 2+ Entry in TRPC4 â^'/â^' Mice Interferes With Increase in Lung Microvascular Permeability. Circulation Research, 2002, 91, 70-76.	2.0	352
9	Protein Interactions at Endothelial Junctions and Signaling Mechanisms Regulating Endothelial Permeability. Circulation Research, 2017, 120, 179-206.	2.0	345
10	Inhibition of NF-Î¹B Activation by Pyrrolidine Dithiocarbamate Prevents In Vivo Expression of Proinflammatory Genes. Circulation, 1999, 100, 1330-1337.	1.6	326
11	Gp60 Activation Mediates Albumin Transcytosis in Endothelial Cells by Tyrosine Kinase-dependent Pathway. Journal of Biological Chemistry, 1997, 272, 25968-25975.	1.6	321
12	Lipopolysaccharide Stimulates Platelet Secretion and Potentiates Platelet Aggregation via TLR4/MyD88 and the cGMP-Dependent Protein Kinase Pathway. Journal of Immunology, 2009, 182, 7997-8004.	0.4	311
13	Thrombin-induced increase in albumin permeability across the endothelium. Journal of Cellular Physiology, 1986, 128, 96-104.	2.0	300
14	Caspase-11â€“mediated endothelial pyroptosis underlies endotoxemia-induced lung injury. Journal of Clinical Investigation, 2017, 127, 4124-4135.	3.9	298
15	Size and Dynamics of Caveolae Studied Using Nanoparticles in Living Endothelial Cells. ACS Nano, 2009, 3, 4110-4116.	7.3	275
16	Endothelial Cell-Surface Gp60 Activates Vesicle Formation and Trafficking via Gi-Coupled Src Kinase Signaling Pathway. Journal of Cell Biology, 2000, 150, 1057-1070.	2.3	270
17	Caveolin regulation of endothelial function. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2003, 285, L1179-L1183.	1.3	262
18	Role of Ca2+ signaling in the regulation of endothelial permeability. Vascular Pharmacology, 2002, 39, 173-185.	1.0	257

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19	Persistent eNOS activation secondary to caveolin-1 deficiency induces pulmonary hypertension in mice and humans through PKG nitration. Journal of Clinical Investigation, 2009, 119, 2009-2018.	3.9	256
20	H2O2 and Tumor Necrosis Factor-Î± Activate Intercellular Adhesion Molecule 1 (ICAM-1) Gene Transcription through Distinct cis-Regulatory Elements within the ICAM-1 Promoter. Journal of Biological Chemistry, 1995, 270, 18966-18974.	1.6	250
21	The TWIK2 Potassium Efflux Channel in Macrophages Mediates NLRP3 Inflammasome-Induced Inflammation. Immunity, 2018, 49, 56-65.e4.	6.6	247
22	TLR4 signaling induces TLR2 expression in endothelial cells via neutrophil NADPH oxidase. Journal of Clinical Investigation, 2003, 112, 1234-1243.	3.9	234
23	Molecular sieving characteristics of the cultured endothelial monolayer. Journal of Cellular Physiology, 1987, 132, 111-117.	2.0	233
24	Prevention of vascular inflammation by nanoparticle targeting of adherent neutrophils. Nature Nanotechnology, 2014, 9, 204-210.	15.6	232
25	Toll-like receptor-4 (TLR4) signaling augments chemokine-induced neutrophil migration by modulating cell surface expression of chemokine receptors. Nature Medicine, 2003, 9, 315-321.	15.2	231
26	Protein Kinase C-Î± Signals Rho-Guanine Nucleotide Dissociation Inhibitor Phosphorylation and Rho Activation and Regulates the Endothelial Cell Barrier Function. Journal of Biological Chemistry, 2001, 276, 22614-22620.	1.6	230
27	Quantitative analysis of albumin uptake and transport in the rat microvessel endothelial monolayer. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2003, 284, L187-L196.	1.3	228
28	Role of TRPM2 Channel in Mediating H ₂ O ₂ -Induced Ca ²⁺ Entry and Endothelial Hyperpermeability. Circulation Research, 2008, 102, 347-355.	2.0	218
29	PKCÎ¶ Regulates TNF-Î±â€“Induced Activation of NADPH Oxidase in Endothelial Cells. Circulation Research, 2002, 90, 1012-1019.	2.0	217
30	mtDNA Activates cGAS Signaling and Suppresses the YAP-Mediated Endothelial Cell Proliferation Program to Promote Inflammatory Injury. Immunity, 2020, 52, 475-486.e5.	6.6	217
31	Transcriptional mechanisms of acute lung injury. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2001, 281, L1037-L1050.	1.3	216
32	Ca2+Signaling, TRP Channels, and Endothelial Permeability. Microcirculation, 2006, 13, 693-708.	1.0	216
33	Protein transport across the lung epithelial barrier. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2003, 284, L247-L259.	1.3	214
34	Activation of NLRP3 Inflammasome in Alveolar Macrophages Contributes to Mechanical Stretch-Induced Lung Inflammation and Injury. Journal of Immunology, 2013, 190, 3590-3599.	0.4	211
35	Endothelial heterogeneity across distinct vascular beds during homeostasis and inflammation. ELife, 2020, 9, .	2.8	209
36	Mechanisms regulating endothelial cell barrier function. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2000, 279, L419-L422.	1.3	206

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37	Thrombin-induced chemotaxis and aggregation of neutrophils. Journal of Cellular Physiology, 1986, 128, 485-490.	2.0	203
38	Caveolin-1 Regulates NF-Î¹B Activation and Lung Inflammatory Response to Sepsis Induced by Lipopolysaccharide. Journal of Immunology, 2006, 177, 4853-4860.	0.4	199
39	Ca 2+ signalling and PKCÎ± activate increased endothelial permeability by disassembly of VEâ€"cadherin junctions. Journal of Physiology, 2001, 533, 433-445.	1.3	198
40	RhoA Interaction with Inositol 1,4,5-Trisphosphate Receptor and Transient Receptor Potential Channel-1 Regulates Ca2+ Entry. Journal of Biological Chemistry, 2003, 278, 33492-33500.	1.6	198
41	The redox-sensitive cation channel TRPM2 modulates phagocyte ROS production and inflammation. Nature Immunology, 2012, 13, 29-34.	7.0	195
42	Protein Kinase C-Î´ (PKC-Î´) Is Activated by Type I Interferons and Mediates Phosphorylation of Stat1 on Serine 727. Journal of Biological Chemistry, 2002, 277, 14408-14416.	1.6	193
43	TLR4 activation of TRPC6-dependent calcium signaling mediates endotoxin-induced lung vascular permeability and inflammation. Journal of Experimental Medicine, 2012, 209, 1953-1968.	4.2	191
44	Role of Src-induced Dynamin-2 Phosphorylation in Caveolae-mediated Endocytosis in Endothelial Cells. Journal of Biological Chemistry, 2004, 279, 20392-20400.	1.6	190
45	GÎ±q-TRPC6-mediated Ca2+ Entry Induces RhoA Activation and Resultant Endothelial Cell Shape Change in Response to Thrombin. Journal of Biological Chemistry, 2007, 282, 7833-7843.	1.6	189
46	Vesicle formation and trafficking in endothelial cells and regulation of endothelial barrier function. Histochemistry and Cell Biology, 2002, 117, 105-112.	0.8	181
47	Bidirectional regulation of neutrophil migration by mitogen-activated protein kinases. Nature Immunology, 2012, 13, 457-464.	7.0	181
48	Termination of endothelin signaling: Role of nitric oxide. Journal of Cellular Physiology, 1994, 158, 485-494.	2.0	179
49	Role of NADPH Oxidase in the Mechanism of Lung Neutrophil Sequestration and Microvessel Injury Induced by Gram-Negative Sepsis: Studies in p47phoxâ^'/â^' and gp91phoxâ^'/â^' Mice. Journal of Immunology, 2002, 168, 3974-3982.	0.4	177
50	Activation of Sphingosine Kinase-1 Reverses the Increase in Lung Vascular Permeability Through Sphingosine-1-Phosphate Receptor Signaling in Endothelial Cells. Circulation Research, 2008, 103, 1164-1172.	2.0	174
51	Dual Regulation of Endothelial Junctional Permeability. Science's STKE: Signal Transduction Knowledge Environment, 2007, 2007, re8.	4.1	166
52	Protein Kinase CÎ± Phosphorylates the TRPC1 Channel and Regulates Store-operated Ca2+ Entry in Endothelial Cells. Journal of Biological Chemistry, 2004, 279, 20941-20949.	1.6	160
53	Angiopoietin-1 Opposes VEGF-Induced Increase in Endothelial Permeability by Inhibiting TRPC1-Dependent Ca 2 Influx. Circulation Research, 2005, 96, 1282-1290.	2.0	159
54	Endothelial Î²-Catenin Signaling Is Required for Maintaining Adult Bloodâ€"Brain Barrier Integrity and Central Nervous System Homeostasis. Circulation, 2016, 133, 177-186.	1.6	158

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55	Protease-activated receptor-3 (PAR3) regulates PAR1 signaling by receptor dimerization. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 5662-5667.	3.3	157
56	Molecular determinants of endothelial transcytosis and their role in endothelial permeability. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2007, 293, L823-L842.	1.3	157
57	Requisite Role of the Cholinergic Î±7 Nicotinic Acetylcholine Receptor Pathway in Suppressing Gram-Negative Sepsis-Induced Acute Lung Inflammatory Injury. Journal of Immunology, 2010, 184, 401-410.	0.4	156
58	Protein Kinase C-Î´ Regulates Thrombin-Induced ICAM-1 Gene Expression in Endothelial Cells via Activation of p38 Mitogen-Activated Protein Kinase. Molecular and Cellular Biology, 2001, 21, 5554-5565.	1.1	155
59	Endothelial cell Piezo1 mediates pressure-induced lung vascular hyperpermeability via disruption of adherens junctions. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 12980-12985.	3.3	154
60	YAP Controls Endothelial Activation and Vascular Inflammation Through TRAF6. Circulation Research, 2018, 123, 43-56.	2.0	153
61	Endothelial cellâ€“restricted disruption of FoxM1 impairs endothelial repair following LPS-induced vascular injury. Journal of Clinical Investigation, 2006, 116, 2333-2343.	3.9	152
62	Suppression of RhoA Activity by Focal Adhesion Kinase-induced Activation of p190RhoGAP. Journal of Biological Chemistry, 2006, 281, 2296-2305.	1.6	150
63	Albumin uptake and transcytosis in endothelial cells in vivo induced by albumin-binding protein. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2001, 281, L1512-L1522.	1.3	145
64	Albumin mediates the transcytosis of myeloperoxidase by means of caveolae in endothelial cells. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 7699-7704.	3.3	145
65	Protein Kinase CÎ±-Induced p115RhoGEF Phosphorylation Signals Endothelial Cytoskeletal Rearrangement. Journal of Biological Chemistry, 2003, 278, 28793-28798.	1.6	141
66	Endothelial progenitor cells and vascular repair. Current Opinion in Hematology, 2014, 21, 224-228.	1.2	140
67	TNFÎ±-stimulated gene-6 (TSG6) activates macrophage phenotype transition to prevent inflammatory lung injury. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E8151-E8158.	3.3	139
68	GÎ±qand GÎ²Î³ Regulate PAR-1 Signaling of Thrombin-Induced NF-ÎºB Activation and ICAM-1 Transcription in Endothelial Cells. Circulation Research, 2002, 91, 398-405.	2.0	138
69	Sphingosine 1-Phosphate-induced Mobilization of Intracellular Ca2+ Mediates Rac Activation and Adherens Junction Assembly in Endothelial Cells. Journal of Biological Chemistry, 2005, 280, 17320-17328.	1.6	137
70	Abrogation of thrombin-induced increase in pulmonary microvascular permeability in PAR-1 knockout mice. Physiological Genomics, 2000, 4, 137-145.	1.0	133
71	Tumor necrosis factor-Î±-induced TRPC1 expression amplifies store-operated Ca2+ influx and endothelial permeability. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2004, 287, L1303-L1313.	1.3	133
72	Two Waves of Platelet Secretion Induced by Thromboxane A2 Receptor and a Critical Role for Phosphoinositide 3-Kinases. Journal of Biological Chemistry, 2003, 278, 30725-30731.	1.6	130

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73	RhoA/Rho-Associated Kinase Pathway Selectively Regulates Thrombin-Induced Intercellular Adhesion Molecule-1 Expression in Endothelial Cells via Activation of IÎºB Kinase Î² and Phosphorylation of RelA/p65. Journal of Immunology, 2004, 173, 6965-6972.	0.4	130
74	Constitutive eNOS-derived nitric oxide is a determinant of endothelial junctional integrity. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2005, 289, L371-L381.	1.3	129
75	siRNA-induced caveolin-1 knockdown in mice increases lung vascular permeability via the junctional pathway. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2006, 290, L405-L413.	1.3	129
76	Cdc42 Regulates the Restoration of Endothelial Barrier Function. Circulation Research, 2004, 94, 159-166.	2.0	124
77	Tumor Necrosis Factor-Î± Induces Early-Onset Endothelial Adhesivity by Protein Kinase CÎ¶â€“Dependent Activation of Intercellular Adhesion Molecule-1. Circulation Research, 2003, 92, 1089-1097.	2.0	123
78	Transcriptional Regulation of Endothelial Cell and Vascular Development. Circulation Research, 2013, 112, 1380-1400.	2.0	123
79	Novel Mechanism of Endothelial Nitric Oxide Synthase Activation Mediated by Caveolae Internalization in Endothelial Cells. Circulation Research, 2006, 99, 870-877.	2.0	122
80	Phosphatidylinositol 3-Kinase Î³ Signaling through Protein Kinase CÎ¶ Induces NADPH Oxidase-mediated Oxidant Generation and NF-ÎºB Activation in Endothelial Cells. Journal of Biological Chemistry, 2006, 281, 16128-16138.	1.6	121
81	Thrombin Induces Proteinase-activated Receptor-1 Gene Expression in Endothelial Cells via Activation of Gi-linked Ras/Mitogen-activated Protein Kinase Pathway. Journal of Biological Chemistry, 1999, 274, 13718-13727.	1.6	117
82	Role of Neutrophil NADPH Oxidase in the Mechanism of Tumor Necrosis Factor-Î±-induced NF-ÎºB Activation and Intercellular Adhesion Molecule-1 Expression in Endothelial Cells. Journal of Biological Chemistry, 2002, 277, 3404-3411.	1.6	117
83	IL-1Î² suppression of VE-cadherin transcription underlies sepsis-induced inflammatory lung injury. Journal of Clinical Investigation, 2020, 130, 3684-3698.	3.9	116
84	Activation of NF-ÎºB induced by H₂O₂and TNF-Î± and its effects on ICAM-1 expression in endothelial cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2000, 279, L302-L311.	1.3	112
85	Intercellular Adhesion Molecule-1â€“Dependent Neutrophil Adhesion to Endothelial Cells Induces Caveolae-Mediated Pulmonary Vascular Hyperpermeability. Circulation Research, 2008, 102, e120-31.	2.0	112
86	The Ca²⁺ Sensor Stromal Interaction Molecule 1 (STIM1) Is Necessary and Sufficient for the Store-Operated Ca²⁺ Entry Function of Transient Receptor Potential Canonical (TRPC) 1 and 4 Channels in Endothelial Cells. Molecular Pharmacology, 2012, 81, 510-526.	1.0	112
87	Protein kinase C-Î¶ mediates TNF-Î±-induced ICAM-1 gene transcription in endothelial cells. American Journal of Physiology - Cell Physiology, 2000, 279, C906-C914.	2.1	108
88	Caveolin-1 scaffold domain interacts with TRPC1 and IP₃R to regulate Ca²⁺ store release-induced Ca²⁺ entry in endothelial cells. American Journal of Physiology - Cell Physiology, 2009, 296, C403-C413.	2.1	108
89	Nitric oxideâ€“dependent Src activation and resultant caveolin-1 phosphorylation promote eNOS/caveolin-1 binding and eNOS inhibition. Molecular Biology of the Cell, 2012, 23, 1388-1398.	0.9	107
90	HIF2Î± signaling inhibits adherens junctional disruption in acute lung injury. Journal of Clinical Investigation, 2015, 125, 652-664.	3.9	105

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91	Sox17 is required for endothelial regeneration following inflammation-induced vascular injury. Nature Communications, 2019, 10, 2126.	5.8	104
92	Delivery of nanoparticleâ€complexed drugs across the vascular endothelial barrier via caveolae. IUBMB Life, 2011, 63, 659-667.	1.5	103
93	Evidence for the role of alveolar epithelial gp60 in active transalveolar albumin transport in the rat lung. Journal of Physiology, 2001, 533, 547-559.	1.3	102
94	Integrated control of lung fluid balance. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2004, 287, L1081-L1090.	1.3	101
95	KrÃ¼ppel-Like Factor-4 Transcriptionally Regulates VE-Cadherin Expression and Endothelial Barrier Function. Circulation Research, 2010, 107, 959-966.	2.0	100
96	Src-dependent phosphorylation of caveolin-1 Tyr-14 promotes swelling and release of caveolae. Molecular Biology of the Cell, 2016, 27, 2090-2106.	0.9	98
97	E-selectin expression in human endothelial cells by TNF-Î±-induced oxidant generation and NF-ÎºB activation. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1998, 275, L533-L544.	1.3	97
98	Nonmuscle myosin light-chain kinase mediates neutrophil transmigration in sepsis-induced lung inflammation by activating Î²2 integrins. Nature Immunology, 2008, 9, 880-886.	7.0	97
99	Piezo1 mediates angiogenesis through activation of MT1-MMP signaling. American Journal of Physiology - Cell Physiology, 2019, 316, C92-C103.	2.1	97
100	Intersectin Regulates Fission and Internalization of Caveolae in Endothelial Cells. Molecular Biology of the Cell, 2003, 14, 4997-5010.	0.9	95
101	Role of NF-ÎºB-dependent Caveolin-1 Expression in the Mechanism of Increased Endothelial Permeability Induced by Lipopolysaccharide. Journal of Biological Chemistry, 2008, 283, 4210-4218.	1.6	95
102	Caveolin-1 Regulates Store-Operated Ca2+ Influx by Binding of Its Scaffolding Domain to Transient Receptor Potential Channel-1 in Endothelial Cells. Molecular Pharmacology, 2006, 70, 1174-1183.	1.0	93
103	NOS1-derived nitric oxide promotes NF-ÎºB transcriptional activity through inhibition of suppressor of cytokine signaling-1. Journal of Experimental Medicine, 2015, 212, 1725-1738.	4.2	93
104	LPS activation of Toll-like receptor 4 signals CD11b/CD18 expression in neutrophils. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2005, 288, L655-L662.	1.3	92
105	Increased pulmonary vascular resistance and defective pulmonary artery filling in caveolin-1^{â^'/â^'}mice. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2008, 294, L865-L873.	1.3	92
106	Toll-like receptor 4 mediates neutrophil sequestration and lung injury induced by endotoxin and hyperinflation*. Critical Care Medicine, 2010, 38, 194-201.	0.4	92
107	Caveolin-1 Tyr14 Phosphorylation Induces Interaction with TLR4 in Endothelial Cells and Mediates MyD88-Dependent Signaling and Sepsis-Induced Lung Inflammation. Journal of Immunology, 2013, 191, 6191-6199.	0.4	92
108	Functional and morphological studies of protein transcytosis in continuous endothelia. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2004, 287, L895-L901.	1.3	91

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109	E3 ubiquitin ligase Cblb regulates the acute inflammatory response underlying lung injury. Nature Medicine, 2007, 13, 920-926.	15.2	90
110	Caveolin-1â€“eNOS signaling promotes p190RhoGAP-A nitration and endothelial permeability. Journal of Cell Biology, 2011, 193, 841-850.	2.3	90
111	Protease-activated Receptor-1 Activation of Endothelial Cells Induces Protein Kinase CÎ±-dependent Phosphorylation of Syntaxin 4 and Munc18c. Journal of Biological Chemistry, 2005, 280, 3178-3184.	1.6	89
112	Tiam1 and Rac1 Are Required for Platelet-activating Factor-induced Endothelial Junctional Disassembly and Increase in Vascular Permeability. Journal of Biological Chemistry, 2009, 284, 5381-5394.	1.6	89
113	ICAM-1â€“activated Src and eNOS signaling increase endothelial cell surface PECAM-1 adhesivity and neutrophil transmigration. Blood, 2012, 120, 1942-1952.	0.6	88
114	Tumor Necrosis Factor-Î± Induces Nuclear Factor-ÎºB-dependent TRPC1 Expression in Endothelial Cells. Journal of Biological Chemistry, 2003, 278, 37195-37203.	1.6	87
115	GÎ²Î³ Activation of Src Induces Caveolae-mediated Endocytosis in Endothelial Cells. Journal of Biological Chemistry, 2004, 279, 48055-48062.	1.6	86
116	STAT6 induces expression of Gas6 in macrophages to clear apoptotic neutrophils and resolve inflammation. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 16513-16518.	3.3	86
117	FoxM1 mediates the progenitor function of type II epithelial cells in repairing alveolar injury induced by Pseudomonas aeruginosa. Journal of Experimental Medicine, 2011, 208, 1473-1484.	4.2	85
118	Protein kinase C Î²1 overexpression augments phorbol ester-induced increase in endothelial permeability. , 1996, 166, 249-255.		84
119	Reversibility of increased microvessel permeability in response to VE-cadherin disassembly. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2000, 279, L1218-L1225.	1.3	84
120	Functional role of TRPC channels in the regulation of endothelial permeability. Pflugers Archiv European Journal of Physiology, 2005, 451, 131-142.	1.3	84
121	Modulatory role of focal adhesion kinase in regulating human pulmonary arterial endothelial barrier function. Journal of Physiology, 2002, 539, 779-789.	1.3	83
122	Cdc42 Regulates Adherens Junction Stability and Endothelial Permeability by Inducing Î±-Catenin Interaction With the Vascular Endothelial Cadherin Complex. Circulation Research, 2006, 98, 73-80.	2.0	83
123	PKCÎ± Activation of p120-Catenin Serine 879 Phospho-Switch Disassembles VE-Cadherin Junctions and Disrupts Vascular Integrity. Circulation Research, 2012, 111, 739-749.	2.0	83
124	Dlk1-Mediated Temporal Regulation of Notch Signaling Is Required for Differentiation of Alveolar Type II to Type I Cells during Repair. Cell Reports, 2019, 26, 2942-2954.e5.	2.9	80
125	Role of H2O2-activated TRPM2 calcium channel in oxidant-induced endothelial injury. Thrombosis and Haemostasis, 2009, 101, 619-625.	1.8	79
126	Protein kinase C modifications of VE-cadherin, p120, and Î²-catenin contribute to endothelial barrier dysregulation induced by thrombin. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2003, 285, L434-L442.	1.3	78

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127	Cholesterol-dependent Syntaxin-4 and SNAP-23 Clustering Regulates Caveolar Fusion with the Endothelial Plasma Membrane. Journal of Biological Chemistry, 2005, 280, 37130-37138.	1.6	78
128	Neutrophil caveolin-1 expression contributes to mechanism of lung inflammation and injury. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2008, 294, L178-L186.	1.3	78
129	The transcription factor DREAM represses the deubiquitinase A20 and mediates inflammation. Nature Immunology, 2014, 15, 239-247.	7.0	77
130	Ca2+ Entry via TRPC Channels Is Necessary for Thrombin-induced NF-Î ºB Activation in Endothelial Cells through AMP-activated Protein Kinase and Protein Kinase CÎ´. Journal of Biological Chemistry, 2009, 284, 563-574.	1.6	76
131	ROS-activated calcium signaling mechanisms regulating endothelial barrier function. Cell Calcium, 2016, 60, 163-171.	1.1	73
132	Glutamine Metabolism Regulates the Pluripotency Transcription Factor OCT4. Cell Reports, 2016, 16, 323-332.	2.9	70
133	Synergistic effects of tumor necrosis factor-Î± and thrombin in increasing endothelial permeability. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2001, 281, L958-L968.	1.3	68
134	RhoGDI-1 Modulation of the Activity of Monomeric RhoGTPase RhoA Regulates Endothelial Barrier Function in Mouse Lungs. Circulation Research, 2007, 101, 50-58.	2.0	68
135	Differential Role of CD18 Integrins in Mediating Lung Neutrophil Sequestration and Increased Microvascular Permeability Induced byEscherichia coliin Mice. Journal of Immunology, 2001, 167, 2895-2901.	0.4	67
136	Augmented inducible nitric oxide synthase expression and increased NO production reduce sepsis-induced lung injury and mortality in myeloperoxidase-null mice. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2008, 295, L96-L103.	1.3	67
137	Caveolin-1 Deficiency Dampens Toll-Like Receptor 4 Signaling through eNOS Activation. American Journal of Pathology, 2010, 176, 2344-2351.	1.9	67
138	Fibronectin enhances the migration rate of human neutrophils in vitro. Journal of Leukocyte Biology, 1996, 60, 199-206.	1.5	65
139	GDI-1 Phosphorylation Switch at Serine 96 Induces RhoA Activation and Increased Endothelial Permeability. Molecular and Cellular Biology, 2007, 27, 6323-6333.	1.1	65
140	Myocardium defects and ventricular hypoplasia in mice homozygous null for theForkhead Box m1 transcription factor. Developmental Dynamics, 2007, 236, 1000-1013.	0.8	65
141	Innate Immune Function of the Adherens Junction Protein p120-Catenin in Endothelial Response to Endotoxin. Journal of Immunology, 2011, 186, 3180-3187.	0.4	63
142	A critical role for Lyn kinase in strengthening endothelial integrity and barrier function. Blood, 2013, 122, 4140-4149.	0.6	63
143	Rac1 functions as a reversible tension modulator to stabilize VE-cadherin trans-interaction. Journal of Cell Biology, 2015, 208, 23-32.	2.3	63
144	Engineered ACE2 decoy mitigates lung injury and death induced by SARS-CoV-2 variants. Nature Chemical Biology, 2022, 18, 342-351.	3.9	63

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145	Neutrophil Activation of Endothelial Cell-Expressed TRPM2 Mediates Transendothelial Neutrophil Migration and Vascular Injury. Circulation Research, 2017, 121, 1081-1091.	2.0	62
146	Requirement for Ca²⁺signaling in the mechanism of thrombin-induced increase in endothelial permeability. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2001, 280, L239-L247.	1.3	61
147	Cooperative Interaction of trp Melastatin Channel Transient Receptor Potential (TRPM2) With Its Splice Variant TRPM2 Short Variant Is Essential for Endothelial Cell Apoptosis. Circulation Research, 2014, 114, 469-479.	2.0	61
148	Ca2+ Influx Induced by Protease-activated Receptor-1 Activates a Feed-forward Mechanism of TRPC1 Expression via Nuclear Factor-Î¹B Activation in Endothelial Cells. Journal of Biological Chemistry, 2006, 281, 20715-20727.	1.6	60
149	Evidence of a common mechanism of disassembly of adherens junctions through GÎ±13 targeting of VE-cadherin. Journal of Experimental Medicine, 2014, 211, 579-591.	4.2	60
150	Thrombin-induced adherence of neutrophils to cultured endothelial monolayers: Increased endothelial adhesiveness. Journal of Cellular Physiology, 1988, 134, 275-280.	2.0	59
151	Nitric Oxide Stimulates Macrophage Inflammatory Protein-2 Expression in Sepsis. Journal of Immunology, 2002, 169, 2093-2101.	0.4	58
152	VE-cadherin-induced Cdc42 Signaling Regulates Formation of Membrane Protrusions in Endothelial Cells. Journal of Biological Chemistry, 2003, 278, 16230-16236.	1.6	58
153	FoxM1 regulates re-annealing of endothelial adherens junctions through transcriptional control of Î²-catenin expression. Journal of Experimental Medicine, 2010, 207, 1675-1685.	4.2	58
154	Endothelial p110Î³PI3K Mediates Endothelial Regeneration and Vascular Repair After Inflammatory Vascular Injury. Circulation, 2016, 133, 1093-1103.	1.6	58
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