Asrar B Malik

List of Publications by Year
in descending order

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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	Quantitative Pulmonary Neutrophil Dynamics Using Computer-Vision Stabilized Intravital Imaging. American Journal of Respiratory Cell and Molecular Biology, 2022, 66, 12-22.	1.4	7
2	Mechanisms of Lung Injury Induced by SARS-CoV-2 Infection. Physiology, 2022, 37, 88-100.	1.6	18
3	KIF13B-mediated VEGFR2 trafficking is essential for vascular leakage and metastasis in vivo. Life Science Alliance, 2022, 5, e202101170.	1.3	6
4	Engineered ACE2 decoy mitigates lung injury and death induced by SARS-CoV-2 variants. Nature Chemical Biology, 2022, 18, 342-351.	3.9	63
5	Notch1 promotes ordered revascularization through Semaphorin 3g modulation of downstream vascular patterning signalling factors. Journal of Physiology, 2022, 600, 509-530.	1.3	2
6	Gasdermin D pores are dynamically regulated by local phosphoinositide circuitry. Nature Communications, 2022, 13, 52.	5.8	49
7	Albumin Nanoparticle Endocytosing Subset of Neutrophils for Precision Therapeutic Targeting of Inflammatory Tissue Injury. ACS Nano, 2022, 16, 4084-4101.	7.3	14
8	Nanoparticle targeting of de novo profibrotic macrophages mitigates lung fibrosis. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2121098119.	3.3	33
9	Single-cell transcriptomic profiling of lung endothelial cells identifies dynamic inflammatory and regenerative subpopulations. JCI Insight, 2022, 7, .	2.3	21
10	VEGFR2 Trafficking by KIF13B Is a Novel Therapeutic Target for Wet Age-Related Macular Degeneration. , 2021, 62, 5.		17
11	Programming to S1PR1 ⁺ Endothelial Cells Promotes Restoration of Vascular Integrity. Circulation Research, 2021, 129, 221-236.	2.0	23
12	Interleukin-1RA Mitigates SARS-CoV-2â€“Induced Inflammatory Lung Vascular Leakage and Mortality in Humanized K18-hACE-2 Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, 2773-2785.	1.1	20
13	CD38-Mediated Inhibition of Brutonâ€™s Tyrosine Kinase in Macrophages Prevents Endotoxemic Lung Injury. American Journal of Respiratory Cell and Molecular Biology, 2021, , .	1.4	3
14	Alveolar Stretch Activation of Endothelial Piezo1 Protects Adherens Junctions and Lung Vascular Barrier. American Journal of Respiratory Cell and Molecular Biology, 2020, 62, 168-177.	1.4	44
15	High-loading GÎ± ₁₃ -binding EXE peptide nanoparticles prevent thrombosis and protect mice from cardiac ischemia/reperfusion injury. Science Translational Medicine, 2020, 12, .	5.8	21
16	PV1 in Caveolae Controls Lung Endothelial Permeability. American Journal of Respiratory Cell and Molecular Biology, 2020, 63, 531-539.	1.4	14
17	Septin2 mediates podosome maturation and endothelial cell invasion associated with angiogenesis. Journal of Cell Biology, 2020, 219, .	2.3	10
18	The angiocrine Rspondin3 instructs interstitial macrophage transition via metabolicâ€“epigenetic reprogramming and resolves inflammatory injury. Nature Immunology, 2020, 21, 1430-1443.	7.0	55

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19	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
20	Angiocrine Sphingosine-1-Phosphate Activation of S1PR2-YAP Signaling Axis in Alveolar Type II Cells Is Essential for Lung Repair. Cell Reports, 2020, 31, 107828.	2.9	38
21	Comprehensive transcriptomic profiling reveals SOX7 as an early regulator of angiogenesis in hypoxic human endothelial cells. Journal of Biological Chemistry, 2020, 295, 4796-4808.	1.6	15
22	Phospholipase D2 restores endothelial barrier function by promoting PTPN14-mediated VE-cadherin dephosphorylation. Journal of Biological Chemistry, 2020, 295, 7669-7685.	1.6	17
23	EphB1 interaction with caveolin-1 in endothelial cells modulates caveolae biogenesis. Molecular Biology of the Cell, 2020, 31, 1167-1182.	0.9	8
24	IL-1Î² suppression of VE-cadherin transcription underlies sepsis-induced inflammatory lung injury. Journal of Clinical Investigation, 2020, 130, 3684-3698.	3.9	116
25	Endothelial heterogeneity across distinct vascular beds during homeostasis and inflammation. ELife, 2020, 9, .	2.8	209
26	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
27	Time-Variant SRC Kinase Activation Determines Endothelial Permeability Response. Cell Chemical Biology, 2019, 26, 1081-1094.e6.	2.5	22
28	Caspase-11 Mediates Pyroptosis of Tubular Epithelial Cells and Septic Acute Kidney Injury. Kidney and Blood Pressure Research, 2019, 44, 465-478.	0.9	52
29	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
30	Sox17 is required for endothelial regeneration following inflammation-induced vascular injury. Nature Communications, 2019, 10, 2126.	5.8	104
31	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
32	A Tie2-Notch1 signaling axis regulates regeneration of the endothelial bone marrow niche. Haematologica, 2019, 104, 2164-2177.	1.7	17
33	VE-PTP stabilizes VE-cadherin junctions and the endothelial barrier via a phosphatase-independent mechanism. Journal of Cell Biology, 2019, 218, 1725-1742.	2.3	40
34	Sphingosine-1-Phosphate Receptor 1 Activity Promotes Tumor Growth by Amplifying VEGF-VEGFR2 Angiogenic Signaling. Cell Reports, 2019, 29, 3472-3487.e4.	2.9	41
35	Piezo1 mediates angiogenesis through activation of MT1-MMP signaling. American Journal of Physiology - Cell Physiology, 2019, 316, C92-C103.	2.1	97
36	The GTPase Rab1 Is Required for NLRP3 Inflammasome Activation and Inflammatory Lung Injury. Journal of Immunology, 2019, 202, 194-206.	0.4	32

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37	N-cadherin signaling via Trio assembles adherens junctions to restrict endothelial permeability. Journal of Cell Biology, 2019, 218, 299-316.	2.3	49
38	Role of Piezo1 in cAMPâ€Dependent Calcium Release From ER Stores in Endothelial Cells. FASEB Journal, 2019, 33, 809.9.	0.2	3
39	Mechanosensing Piezo channels in tissue homeostasis including their role in lungs. Pulmonary Circulation, 2018, 8, 1-6.	0.8	49
40	Aberrant Caveolin-1-Mediated Smad Signaling and Proliferation Identified by Analysis of Adenine 474 Deletion Mutation (c.474delA) in Patient Fibroblasts: A New Perspective in the Mechanism of Pulmonary Hypertension. Molecular Biology of the Cell, 2018, , mbc.E16-06-0380.	0.9	1
41	YAP Controls Endothelial Activation and Vascular Inflammation Through TRAF6. Circulation Research, 2018, 123, 43-56.	2.0	153
42	The TWIK2 Potassium Efflux Channel in Macrophages Mediates NLRP3 Inflammasome-Induced Inflammation. Immunity, 2018, 49, 56-65.e4.	6.6	247
43	A computational approach to identifyÂcellular heterogeneity andÂtissue-specific gene regulatory networks. BMC Bioinformatics, 2018, 19, 217.	1.2	10
44	Inactivation of Rab11a GTPase in Macrophages Facilitates Phagocytosis of Apoptotic Neutrophils. Journal of Immunology, 2017, 198, 1660-1672.	0.4	27
45	Protein Interactions at Endothelial Junctions and Signaling Mechanisms Regulating Endothelial Permeability. Circulation Research, 2017, 120, 179-206.	2.0	345
46	Role of phagosomal redox-sensitive trp channel TRPM2 in regulating bactericidal activity of macrophages. Journal of Cell Science, 2017, 130, 735-744.	1.2	39
47	Method for Dual Viral Vector Mediated CRISPR-Cas9 Gene Disruption in Primary Human Endothelial Cells. Scientific Reports, 2017, 7, 42127.	1.6	23
48	Response by Komarova et al to Letter Regarding Article, â€œProtein Interactions at Endothelial Junctions and Signaling Mechanisms Regulating Endothelial Permeabilityâ€. Circulation Research, 2017, 120, e28.	2.0	1
49	Pyk2 phosphorylation of VE-PTP downstream of STIM1-induced Ca²⁺entry regulates disassembly of adherens junctions. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 312, L1003-L1017.	1.3	21
50	SOX17 Regulates Conversion of Human Fibroblasts Into Endothelial Cells and Erythroblasts by Dedifferentiation Into CD34 ⁺ Progenitor Cells. Circulation, 2017, 135, 2505-2523.	1.6	28
51	Embryonic Stem Cell Differentiation to Functional Arterial Endothelial Cells through Sequential Activation of ETV2 and NOTCH1 Signaling by HIF1Î±. Stem Cell Reports, 2017, 9, 796-806.	2.3	35
52	Neutrophil Activation of Endothelial Cell-Expressed TRPM2 Mediates Transendothelial Neutrophil Migration and Vascular Injury. Circulation Research, 2017, 121, 1081-1091.	2.0	62
53	Response by Mittal et al to Letter Regarding Article, â€œNeutrophil Activation of Endothelial Cell-Expressed TRPM2 Mediates Transendothelial Neutrophil Migration and Vascular Injuryâ€. Circulation Research, 2017, 121, e87.	2.0	1
54	Antiangiogenic Therapeutic Potential of Peptides Derived from the Molecular Motor KIF13B that Transports VEGFR2 to Plasmalemma in Endothelial Cells. American Journal of Pathology, 2017, 187, 214-224.	1.9	14

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55	Aberrant caveolin-1â€“mediated Smad signaling and proliferation identified by analysis of adenine 474 deletion mutation (c.474delA) in patient fibroblasts: a new perspective on the mechanism of pulmonary hypertension. Molecular Biology of the Cell, 2017, 28, 1177-1185.	0.9	30
56	Caspase-11â€“mediated endothelial pyroptosis underlies endotoxemia-induced lung injury. Journal of Clinical Investigation, 2017, 127, 4124-4135.	3.9	298
57	Mimicking transient activation of protein kinases in living cells. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 14976-14981.	3.3	10
58	PAR1 Scaffolds TGFÎ²RII to Downregulate TGF-Î² Signaling and Activate ESC Differentiation to Endothelial Cells. Stem Cell Reports, 2016, 7, 1050-1058.	2.3	14
59	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
60	Using cultured endothelial cells to study endothelial barrier dysfunction: Challenges and opportunities. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 311, L453-L466.	1.3	55
61	Oxidant Sensing by TRPM2 Inhibits Neutrophil Migration and Mitigates Inflammation. Developmental Cell, 2016, 38, 453-462.	3.1	54
62	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
63	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
64	Glutamine Metabolism Regulates the Pluripotency Transcription Factor OCT4. Cell Reports, 2016, 16, 323-332.	2.9	70
65	Rab11a Mediates Vascular Endothelial-Cadherin Recycling and Controls Endothelial Barrier Function. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 339-349.	1.1	54
66	Endothelial p110Î³PI3K Mediates Endothelial Regeneration and Vascular Repair After Inflammatory Vascular Injury. Circulation, 2016, 133, 1093-1103.	1.6	58
67	ROS-activated calcium signaling mechanisms regulating endothelial barrier function. Cell Calcium, 2016, 60, 163-171.	1.1	73
68	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
69	Contribution and Regulation of Calcium Channels in Endothelial Cells. , 2016, , 37-62.		4
70	p120-Catenin Expressed in Alveolar Type II Cells Is Essential for the Regulation of Lung Innate Immune Response. American Journal of Pathology, 2015, 185, 1251-1263.	1.9	18
71	Microtubule-Associated Protein EB3 Regulates IP3 Receptor Clustering and Ca2+ Signaling in Endothelial Cells. Cell Reports, 2015, 12, 79-89.	2.9	35
72	Moesin and myosin phosphatase confine neutrophil orientation in a chemotactic gradient. Journal of Experimental Medicine, 2015, 212, 267-280.	4.2	47

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73	Rac1 functions as a reversible tension modulator to stabilize VE-cadherin trans-interaction. Journal of Cell Biology, 2015, 208, 23-32.	2.3	63
74	Integrin Î±6Î²1 Expressed in ESCs Instructs the Differentiation to Endothelial Cells. Stem Cells, 2015, 33, 1719-1729.	1.4	27
75	Role of Tyr143 phosphorylation of S1PR1 in downregulating endothelial cell surface S1PR1 expression and responsiveness. Journal of Cell Science, 2015, 128, 878-87.	1.2	22
76	Novel Role of Reactive Oxygen Speciesâ€"Activated trp Melastatin Channel-2 in Mediating Angiogenesis and Postischemic Neovascularization. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 877-887.	1.1	40
77	Histone Demethylases KDM4A and KDM4C Regulate Differentiation of Embryonic Stem Cells to Endothelial Cells. Stem Cell Reports, 2015, 5, 10-21.	2.3	40
78	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
79	Induced Pluripotent Stem (iPS) Cell Culture Methods and Induction of Differentiation into Endothelial Cells. Methods in Molecular Biology, 2015, 1357, 311-327.	0.4	17
80	Activation of Type II Cells into Regenerative Stem Cell Antigen-1⁺ Cells during Alveolar Repair. American Journal of Respiratory Cell and Molecular Biology, 2015, 53, 113-124.	1.4	41
81	HIF2Î± signaling inhibits adherens junctional disruption in acute lung injury. Journal of Clinical Investigation, 2015, 125, 652-664.	3.9	105
82	ADAM 17 Regulates S1PR1 Surface Expression by its Ectodomain Shedding thereby Disrupting Endothelial Barrier Function. FASEB Journal, 2015, 29, 627.7.	0.2	0
83	Pyk2â€Induced Tyrosine Phosphorylation of STIM1 at Y361 Residue Regulates Puncta Formation, Storeâ€Operated Calcium Entry and Lung Vascular Permeability. FASEB Journal, 2015, 29, 661.9.	0.2	0
84	Cooperative Signaling via Transcription Factors NF-ÎºB and AP1/c-Fos Mediates Endothelial Cell STIM1 Expression and Hyperpermeability in Response to Endotoxin. Journal of Biological Chemistry, 2014, 289, 24188-24201.	1.6	48
85	Reactive Oxygen Species in Inflammation and Tissue Injury. Antioxidants and Redox Signaling, 2014, 20, 1126-1167.	2.5	3,036
86	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
87	Endothelial progenitor cells and vascular repair. Current Opinion in Hematology, 2014, 21, 224-228.	1.2	140
88	Bioenergetic Shifts during Transitions between Stem Cell States (2013 Grover Conference Series). Pulmonary Circulation, 2014, 4, 387-394.	0.8	24
89	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
90	Prevention of vascular inflammation by nanoparticle targeting of adherent neutrophils. Nature Nanotechnology, 2014, 9, 204-210.	15.6	232

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91	The transcription factor DREAM represses the deubiquitinase A20 and mediates inflammation. Nature Immunology, 2014, 15, 239-247.	7.0	77
92	Regulating the regulator of ROS production. Cell Research, 2014, 24, 908-909.	5.7	13
93	Reprogramming Fibroblasts to Endothelial Cells. Circulation, 2014, 130, 1136-1138.	1.6	5
94	Differential Role for p120-Catenin in Regulation of TLR4 Signaling in Macrophages. Journal of Immunology, 2014, 193, 1931-1941.	0.4	37
95	KIF13B regulates angiogenesis through golgi-plasma membrane trafficking of VEGFR2. Journal of Cell Science, 2014, 127, 4518-30.	1.2	40
96	Combinatorial Therapy with Acetylation and Methylation Modifiers Attenuates Lung Vascular Hyperpermeability in Endotoxemia-Induced Mouse Inflammatory Lung Injury. American Journal of Pathology, 2014, 184, 2237-2249.	1.9	48
97	Pseudomonas aeruginosa Induced Lung Injury Model. Journal of Visualized Experiments, 2014, , e52044.	0.2	9
98	Genetic Variation Is the Major Determinant of Individual Differences in Leukocyte Endothelial Adhesion. PLoS ONE, 2014, 9, e87883.	1.1	5
99	Therapeutic Administration of the Chemokine CXCL1/KC Abrogates Autoimmune Inflammatory Heart Disease. PLoS ONE, 2014, 9, e89647.	1.1	16
100	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
101	Transcriptional Regulation of Endothelial Cell and Vascular Development. Circulation Research, 2013, 112, 1380-1400.	2.0	123
102	Bioluminescent detection of peroxynitrite with a boronic acid-caged luciferin. Free Radical Biology and Medicine, 2013, 61, 40-50.	1.3	37
103	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
104	Nanoparticles squeezing across the bloodâ€“endothelial barrier via caveolae. Therapeutic Delivery, 2013, 4, 131-133.	1.2	23
105	Store-operated Ca2+ Entry (SOCE) Induced by Protease-activated Receptor-1 Mediates STIM1 Protein Phosphorylation to Inhibit SOCE in Endothelial Cells through AMP-activated Protein Kinase and p38Î² Mitogen-activated Protein Kinase. Journal of Biological Chemistry, 2013, 288, 17030-17041.	1.6	48
106	A critical role for Lyn kinase in strengthening endothelial integrity and barrier function. Blood, 2013, 122, 4140-4149.	0.6	63
107	Flk1+ and VE-Cadherin+ Endothelial Cells Derived from iPSCs Recapitulates Vascular Development during Differentiation and Display Similar Angiogenic Potential as ESC-Derived Cells. PLoS ONE, 2013, 8, e85549.	1.1	27
108	Activation of Rac1 at adherens junctions promotes VEâ€cadherin trans interaction. FASEB Journal, 2013, 27, 875.3.	0.2	0

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109	Endothelial cellâ€specific STIM1 deletion prevents lung vascular leak. FASEB Journal, 2013, 27, 1047.4.	0.2	0
110	End Binding protein 3 regulates calcium signaling and permeability of the endothelial barrier. FASEB Journal, 2013, 27, 875.5.	0.2	0
111	Long Isoform of Myosin Light Chain Kinase Interacts with Calcium Releaseâ€Activated Calcium Channel Constituents to Induce an Amplified and Protracted Increase in Intracellular Calcium. FASEB Journal, 2013, 27, 724.8.	0.2	0
112	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
113	A Critical Role for Phosphatidylinositol (3,4,5)-Trisphosphateâ€“Dependent Rac Exchanger 1 in Endothelial Junction Disruption and Vascular Hyperpermeability. Circulation Research, 2012, 111, 1517-1527.	2.0	46
114	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
115	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
116	Cytoskeletal Dynamics and Lung Fluid Balance. , 2012, 2, 449-478.		33
117	Role of endothelial injury in disease mechanisms and contribution of progenitor cells in mediating endothelial repair. Immunobiology, 2012, 217, 569-580.	0.8	28
118	Bidirectional regulation of neutrophil migration by mitogen-activated protein kinases. Nature Immunology, 2012, 13, 457-464.	7.0	181
119	VE-Cadherin Signaling Induces EB3 Phosphorylation to Suppress Microtubule Growth and Assemble Adherens Junctions. Molecular Cell, 2012, 48, 914-925.	4.5	49
120	The redox-sensitive cation channel TRPM2 modulates phagocyte ROS production and inflammation. Nature Immunology, 2012, 13, 29-34.	7.0	195
121	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
122	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
123	Sphingosine Kinase 1 Mediation of Expression of the Anaphylatoxin Receptor C5L2 Dampens the Inflammatory Response to Endotoxin. PLoS ONE, 2012, 7, e30742.	1.1	26
124	Localized activation of Rac1 promotes IQGAP1â€dependent VEâ€cadherin trans interaction: Role in junction stabilization. FASEB Journal, 2012, 26, 1063.5.	0.2	0
125	Pâ€Rex1 is critical for vascular hyperâ€permeability and edema in the lungs. FASEB Journal, 2012, 26, 842.10.	0.2	0
126	LPS/TLR4â€NFâ€[kappa]B axis signaling amplifies STIM1 expression to augment PARâ€1â€induced Calcium entry and permeability response in lung microvessels. FASEB Journal, 2012, 26, 571.2.	0.2	0

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127	Downstream Effects of the Homophilic PECAMâ€1 Interaction in Neutrophils. FASEB Journal, 2012, 26, 55.7.	0.2	0
128	Role of adaptor protein IQGAP1 in regulating endothelial permeability of lung vessels. FASEB Journal, 2012, 26, 671.9.	0.2	0
129	Wnt Signaling Mediates Deâ€differentiation of Endothelial Cells during Neovascularization. FASEB Journal, 2012, 26, 1121.1.	0.2	0
130	ROS Sensitive Calcium Channel TRPM2 Regulates VEGF Induced Angiogenesis. FASEB Journal, 2012, 26, 670.4.	0.2	0
131	PARâ€1 induced AMPKâ€p38 MAPK signaling axis mediates STIM1 phosphorylation to prevent calcium entry through TRPC channels in endothelial cells. FASEB Journal, 2012, 26, 1056.13.	0.2	0
132	Cation channel TRPC6 activation of TLR4 in endothelial cells mediates sepsisâ€induced acute lung injury. FASEB Journal, 2012, 26, 1130.5.	0.2	0
133	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
134	Permeability of Endothelial Barrier: Cell Culture and In Vivo Models. Methods in Molecular Biology, 2011, 763, 333-354.	0.4	19
135	Interaction of a Specific Population of Human Embryonic Stem Cellâ€“Derived Progenitor Cells with CD11b+ Cells Ameliorates Sepsis-Induced Lung Inflammatory Injury. American Journal of Pathology, 2011, 178, 313-324.	1.9	26
136	Delivery of nanoparticleâ€complexed drugs across the vascular endothelial barrier via caveolae. IUBMB Life, 2011, 63, 659-667.	1.5	103
137	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
138	Src Phosphorylation of Endothelial Cell Surface Intercellular Adhesion Molecule-1 Mediates Neutrophil Adhesion and Contributes to the Mechanism of Lung Inflammation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 1342-1350.	1.1	47
139	Caveolin-1â€“eNOS signaling promotes p190RhoGAP-A nitration and endothelial permeability. Journal of Cell Biology, 2011, 193, 841-850.	2.3	90
140	Caveolae and Signaling in Pulmonary Vascular Endothelial and Smooth Muscle Cells. , 2011, , 273-285.		2
141	Microtubuleâ€associated protein EB3 regulates calcium signaling and facilitates increase in endothelial permeability. FASEB Journal, 2011, 25, lb496.	0.2	0
142	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
143	Lipid Phosphate Phosphatase 3 Stabilization of Î²-Catenin Induces Endothelial Cell Migration and Formation of Branching Point Structures. Molecular and Cellular Biology, 2010, 30, 1593-1606.	1.1	41
144	KrÃ¼ppel-Like Factor-4 Transcriptionally Regulates VE-Cadherin Expression and Endothelial Barrier Function. Circulation Research, 2010, 107, 959-966.	2.0	100

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145	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
146	A Novel Function of Sphingosine Kinase 1 Suppression of JNK Activity in Preventing Inflammation and Injury. Journal of Biological Chemistry, 2010, 285, 15848-15857.	1.6	30
147	Ca²⁺influx via TRPC channels induces NF-ÎºB-dependent A20 expression to prevent thrombin-induced apoptosis in endothelial cells. American Journal of Physiology - Cell Physiology, 2010, 298, C656-C664.	2.1	27
148	Bone marrow-derived progenitor cells prevent thrombin-induced increase in lung vascular permeability. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2010, 298, L36-L44.	1.3	19
149	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
150	Role of protein kinase CÎ¶ in thrombin-induced RhoA activation and inter-endothelial gap formation of human dermal microvessel endothelial cell monolayers. Microvascular Research, 2010, 80, 240-249.	1.1	34
151	TRP channels and the control of vascular function. Current Opinion in Pharmacology, 2010, 10, 127-132.	1.7	54
152	Regulation of Endothelial Permeability via Paracellular and Transcellular Transport Pathways. Annual Review of Physiology, 2010, 72, 463-493.	5.6	553
153	Caveolin-1 Deficiency Dampens Toll-Like Receptor 4 Signaling through eNOS Activation. American Journal of Pathology, 2010, 176, 2344-2351.	1.9	67
154	TRPM2 Channel Regulates Endothelial Barrier Function. Advances in Experimental Medicine and Biology, 2010, 661, 155-167.	0.8	46
155	Endothelial p120 catenin inhibits LPSâ€induced lung inflammatory injury by suppression of MAPK and NFâ€ÎºB activation. FASEB Journal, 2010, 24, 797.10.	0.2	0
156	Requirement of a4b1 and a5b1 Integrin Expression in Boneâ€Marrow Derived Progenitor Cells in Preventing Endotoxinâ€Induced Lung Vascular Injury and Edema in Mice. FASEB Journal, 2010, 24, 39.5.	0.2	0
157	Genetic Evidence for PKCÎ´ Signaling in Thrombinâ€Induced NFâ€ÎºB Activation in Endothelial Cells. FASEB Journal, 2010, 24, 833.22.	0.2	0
158	Role of H2O2-activated TRPM2 calcium channel in oxidant-induced endothelial injury. Thrombosis and Haemostasis, 2009, 101, 619-625.	1.8	79
159	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
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