Asrar B Malik

List of Publications by Year in Descending Order

322 papers	25,321 citations	87 h-index	149 g-index
342 ext. papers	28,525 ext. citations	7.5 avg, IF	7.06 L-index

#	Paper	IF	Citations
322	Engineered ACE2 decoy mitigates lung injury and death induced by SARS-CoV-2 variants.. *Nature Chemical Biology*, **2022**,	11.7	10
321	Gasdermin D pores are dynamically regulated by local phosphoinositide circuitry.. *Nature Communications*, **2022**, 13, 52	17.4	8
320	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	11.5	1
319	Programming to S1PR1 Endothelial Cells Promotes Restoration of Vascular Integrity. *Circulation Research*, **2021**, 129, 221-236	15.7	4
318	VEGFR2 Trafficking by KIF13B Is a Novel Therapeutic Target for Wet Age-Related Macular Degeneration **2021**, 62, 5		2
317	Interleukin-1RA Mitigates SARS-CoV-2-Induced Inflammatory Lung Vascular Leakage and Mortality in Humanized K18-hACE-2 Mice. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2021**, 41, 2773-2785	9.4	6
316	Engineered High-Affinity ACE2 Peptide Mitigates ARDS and Death Induced by Multiple SARS-CoV-2 Variants. **2021**,		1
315	mtDNA Activates cGAS Signaling and Suppresses the YAP-Mediated Endothelial Cell Proliferation Program to Promote Inflammatory Injury. *Immunity*, **2020**, 52, 475-486.e5	32.3	73
314	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	10.6	19
313	Comprehensive transcriptomic profiling reveals SOX7 as an early regulator of angiogenesis in hypoxic human endothelial cells. *Journal of Biological Chemistry*, **2020**, 295, 4796-4808	5.4	6
312	Phospholipase D2 restores endothelial barrier function by promoting PTPN14-mediated VE-cadherin dephosphorylation. *Journal of Biological Chemistry*, **2020**, 295, 7669-7685	5.4	12
311	IL-1β suppression of VE-cadherin transcription underlies sepsis-induced inflammatory lung injury. *Journal of Clinical Investigation*, **2020**, 130, 3684-3698	15.9	43
310	Endothelial heterogeneity across distinct vascular beds during homeostasis and inflammation. *ELife* , **2020**, 9,	8.9	101
309	EphB1 interaction with caveolin-1 in endothelial cells modulates caveolae biogenesis. *Molecular Biology of the Cell*, **2020**, 31, 1167-1182	3.5	4
308	High-loading GE binding EXE peptide nanoparticles prevent thrombosis and protect mice from cardiac ischemia/reperfusion injury. *Science Translational Medicine*, **2020**, 12,	17.5	6
307	PV1 in Caveolae Controls Lung Endothelial Permeability. *American Journal of Respiratory Cell and Molecular Biology*, **2020**, 63, 531-539	5.7	4
306	Septin2 mediates podosome maturation and endothelial cell invasion associated with angiogenesis. *Journal of Cell Biology*, **2020**, 219,	7.3	6

305	The angiocrine Rspondin3 instructs interstitial macrophage transition via metabolic-epigenetic reprogramming and resolves inflammatory injury. *Nature Immunology*, **2020**, 21, 1430-1443	19.1	13
304	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	5.7	15
303	Time-Variant SRC Kinase Activation Determines Endothelial Permeability Response. *Cell Chemical Biology*, **2019**, 26, 1081-1094.e6	8.2	8
302	Caspase-11 Mediates Pyroptosis of Tubular Epithelial Cells and Septic Acute Kidney Injury. *Kidney and Blood Pressure Research*, **2019**, 44, 465-478	3.1	36
301	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	11.5	71
300	Sox17 is required for endothelial regeneration following inflammation-induced vascular injury. *Nature Communications*, **2019**, 10, 2126	17.4	44
299	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	10.6	43
298	A Tie2-Notch1 signaling axis regulates regeneration of the endothelial bone marrow niche. *Haematologica*, **2019**, 104, 2164-2177	6.6	10
297	VE-PTP stabilizes VE-cadherin junctions and the endothelial barrier via a phosphatase-independent mechanism. *Journal of Cell Biology*, **2019**, 218, 1725-1742	7.3	20
296	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	11.5	41
295	Role of Piezo1 in cAMP-Dependent Calcium Release From ER Stores in Endothelial Cells. *FASEB Journal*, **2019**, 33, 809.9	0.9	2
294	Sphingosine-1-Phosphate Receptor 1 Activity Promotes Tumor Growth by Amplifying VEGF-VEGFR2 Angiogenic Signaling. *Cell Reports*, **2019**, 29, 3472-3487.e4	10.6	21
293	Piezo1 mediates angiogenesis through activation of MT1-MMP signaling. *American Journal of Physiology - Cell Physiology*, **2019**, 316, C92-C103	5.4	49
292	The GTPase Rab1 Is Required for NLRP3 Inflammasome Activation and Inflammatory Lung Injury. *Journal of Immunology*, **2019**, 202, 194-206	5.3	17
291	N-cadherin signaling via Trio assembles adherens junctions to restrict endothelial permeability. *Journal of Cell Biology*, **2019**, 218, 299-316	7.3	24
290	Mechanosensing Piezo channels in tissue homeostasis including their role in lungs. *Pulmonary Circulation*, **2018**, 8, 2045894018767393	2.7	30
289	A computational approach to identify cellular heterogeneity and tissue-specific gene regulatory networks. *BMC Bioinformatics*, **2018**, 19, 217	3.6	7
288	YAP Controls Endothelial Activation and Vascular Inflammation Through TRAF6. *Circulation Research*, **2018**, 123, 43-56	15.7	75

287	The TWIK2 Potassium Efflux Channel in Macrophages Mediates NLRP3 Inflammasome-Induced Inflammation. *Immunity*, **2018**, 49, 56-65.e4	32.3	134
286	Inactivation of Rab11a GTPase in Macrophages Facilitates Phagocytosis of Apoptotic Neutrophils. *Journal of Immunology*, **2017**, 198, 1660-1672	5.3	16
285	Protein Interactions at Endothelial Junctions and Signaling Mechanisms Regulating Endothelial Permeability. *Circulation Research*, **2017**, 120, 179-206	15.7	214
284	Role of the phagosomal redox-sensitive TRP channel TRPM2 in regulating bactericidal activity of macrophages. *Journal of Cell Science*, **2017**, 130, 735-744	5.3	27
283	Method for Dual Viral Vector Mediated CRISPR-Cas9 Gene Disruption in Primary Human Endothelial Cells. *Scientific Reports*, **2017**, 7, 42127	4.9	19
282	Response by Komarova et al to Letter Regarding Article, "Protein Interactions at Endothelial Junctions and Signaling Mechanisms Regulating Endothelial Permeability". *Circulation Research*, **2017**, 120, e28	15.7	0
281	Pyk2 phosphorylation of VE-PTP downstream of STIM1-induced Ca entry regulates disassembly of adherens junctions. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2017**, 312, L1003-L1017	5.8	14
280	SOX17 Regulates Conversion of Human Fibroblasts Into Endothelial Cells and Erythroblasts by Dedifferentiation Into CD34 Progenitor Cells. *Circulation*, **2017**, 135, 2505-2523	16.7	18
279	Embryonic Stem Cell Differentiation to Functional Arterial Endothelial Cells through Sequential Activation of ETV2 and NOTCH1 Signaling by HIF1□ *Stem Cell Reports*, **2017**, 9, 796-806	8	21
278	Neutrophil Activation of Endothelial Cell-Expressed TRPM2 Mediates Transendothelial Neutrophil Migration and Vascular Injury. *Circulation Research*, **2017**, 121, 1081-1091	15.7	40
277	Response by Mittal et al to Letter Regarding Article, "Neutrophil Activation of Endothelial Cell-Expressed TRPM2 Mediates Transendothelial Neutrophil Migration and Vascular Injury". *Circulation Research*, **2017**, 121, e87	15.7	1
276	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	5.8	9
275	Caspase-11-mediated endothelial pyroptosis underlies endotoxemia-induced lung injury. *Journal of Clinical Investigation*, **2017**, 127, 4124-4135	15.9	185
274	Aberrant caveolin-1-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	3.5	16
273	Induced Pluripotent Stem (iPS) Cell Culture Methods and Induction of Differentiation into Endothelial Cells. *Methods in Molecular Biology*, **2016**, 1357, 311-27	1.4	14
272	Using cultured endothelial cells to study endothelial barrier dysfunction: Challenges and opportunities. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2016**, 311, L453-66	5.8	35
271	Oxidant Sensing by TRPM2 Inhibits Neutrophil Migration and Mitigates Inflammation. *Developmental Cell*, **2016**, 38, 453-62	10.2	34
270	TNF□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	11.5	84

269	Inhibition of the Glycolytic Activator PFKFB3 in Endothelium Induces Tumor Vessel Normalization, Impairs Metastasis, and Improves Chemotherapy. *Cancer Cell*, **2016**, 30, 968-985	24.3	325
268	Glutamine Metabolism Regulates the Pluripotency Transcription Factor OCT4. *Cell Reports*, **2016**, 16, 323-332	10.6	45
267	Rab11a Mediates Vascular Endothelial-Cadherin Recycling and Controls Endothelial Barrier Function. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2016**, 36, 339-49	9.4	36
266	Endothelial p110PI3K Mediates Endothelial Regeneration and Vascular Repair After Inflammatory Vascular Injury. *Circulation*, **2016**, 133, 1093-103	16.7	38
265	ROS-activated calcium signaling mechanisms regulating endothelial barrier function. *Cell Calcium*, **2016**, 60, 163-71	4	58
264	Endothelial Catenin Signaling Is Required for Maintaining Adult Blood-Brain Barrier Integrity and Central Nervous System Homeostasis. *Circulation*, **2016**, 133, 177-86	16.7	101
263	Contribution and Regulation of Calcium Channels in Endothelial Cells **2016**, 37-62		4
262	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	11.5	8
261	PAR1 Scaffolds TGFRII to Downregulate TGF-Signaling and Activate ESC Differentiation to Endothelial Cells. *Stem Cell Reports*, **2016**, 7, 1050-1058	8	13
260	Src-dependent phosphorylation of caveolin-1 Tyr-14 promotes swelling and release of caveolae. *Molecular Biology of the Cell*, **2016**, 27, 2090-106	3.5	74
259	Integrin 1 Expressed in ESCs Instructs the Differentiation to Endothelial Cells. *Stem Cells*, **2015**, 33, 1719-29	5.8	23
258	S1PR1 Tyr143 phosphorylation downregulates endothelial cell surface S1PR1 expression and responsiveness. *Journal of Cell Science*, **2015**, 128, 878-87	5.3	18
257	Novel role of reactive oxygen species-activated Trp melastatin channel-2 in mediating angiogenesis and postischemic neovascularization. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2015**, 35, 877-87	9.4	31
256	Histone Demethylases KDM4A and KDM4C Regulate Differentiation of Embryonic Stem Cells to Endothelial Cells. *Stem Cell Reports*, **2015**, 5, 10-21	8	26
255	NOS1-derived nitric oxide promotes NF-B transcriptional activity through inhibition of suppressor of cytokine signaling-1. *Journal of Experimental Medicine*, **2015**, 212, 1725-38	16.6	73
254	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, 113-24	5.7	26
253	p120-catenin expressed in alveolar type II cells is essential for the regulation of lung innate immune response. *American Journal of Pathology*, **2015**, 185, 1251-63	5.8	13
252	Microtubule-Associated Protein EB3 Regulates IP3 Receptor Clustering and Ca(2+) Signaling in Endothelial Cells. *Cell Reports*, **2015**, 12, 79-89	10.6	25

251	Moesin and myosin phosphatase confine neutrophil orientation in a chemotactic gradient. *Journal of Experimental Medicine*, **2015**, 212, 267-80	16.6	30
250	Rac1 functions as a reversible tension modulator to stabilize VE-cadherin trans-interaction. *Journal of Cell Biology*, **2015**, 208, 23-32	7.3	47
249	HIF2 signaling inhibits adherens junctional disruption in acute lung injury. *Journal of Clinical Investigation*, **2015**, 125, 652-64	15.9	85
248	ADAM 17 Regulates S1PR1 Surface Expression by its Ectodomain Shedding thereby Disrupting Endothelial Barrier Function. *FASEB Journal*, **2015**, 29, 627.7	0.9	
247	Pyk2-Induced Tyrosine Phosphorylation of STIM1 at Y361 Residue Regulates Puncta Formation, Store-Operated Calcium Entry and Lung Vascular Permeability. *FASEB Journal*, **2015**, 29, 661.9	0.9	
246	Prevention of vascular inflammation by nanoparticle targeting of adherent neutrophils. *Nature Nanotechnology*, **2014**, 9, 204-10	28.7	172
245	The transcription factor DREAM represses the deubiquitinase A20 and mediates inflammation. *Nature Immunology*, **2014**, 15, 239-47	19.1	48
244	Regulating the regulator of ROS production. *Cell Research*, **2014**, 24, 908-9	24.7	10
243	Differential role for p120-catenin in regulation of TLR4 signaling in macrophages. *Journal of Immunology*, **2014**, 193, 1931-41	5.3	25
242	KIF13B regulates angiogenesis through Golgi to plasma membrane trafficking of VEGFR2. *Journal of Cell Science*, **2014**, 127, 4518-30	5.3	27
241	Combinatorial therapy with acetylation and methylation modifiers attenuates lung vascular hyperpermeability in endotoxemia-induced mouse inflammatory lung injury. *American Journal of Pathology*, **2014**, 184, 2237-49	5.8	40
240	Pseudomonas aeruginosa induced lung injury model. *Journal of Visualized Experiments*, **2014**, e52044	1.6	7
239	Cooperative signaling via transcription factors NF-B and AP1/c-Fos mediates endothelial cell STIM1 expression and hyperpermeability in response to endotoxin. *Journal of Biological Chemistry*, **2014**, 289, 24188-201	5.4	39
238	Reactive oxygen species in inflammation and tissue injury. *Antioxidants and Redox Signaling*, **2014**, 20, 1126-67	8.4	1984
237	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, 469-79	15.7	46
236	Endothelial progenitor cells and vascular repair. *Current Opinion in Hematology*, **2014**, 21, 224-8	3.3	109
235	Bioenergetic shifts during transitions between stem cell states (2013 Grover Conference series). *Pulmonary Circulation*, **2014**, 4, 387-94	2.7	20
234	Evidence of a common mechanism of disassembly of adherens junctions through G13 targeting of VE-cadherin. *Journal of Experimental Medicine*, **2014**, 211, 579-91	16.6	54

233	Genetic variation is the major determinant of individual differences in leukocyte endothelial adhesion. *PLoS ONE*, **2014**, 9, e87883	3.7	4
232	Therapeutic administration of the chemokine CXCL1/KC abrogates autoimmune inflammatory heart disease. *PLoS ONE*, **2014**, 9, e89647	3.7	11
231	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, 6191-9	5.3	72
230	Transcriptional regulation of endothelial cell and vascular development. *Circulation Research*, **2013**, 112, 1380-400	15.7	98
229	Bioluminescent detection of peroxynitrite with a boronic acid-caged luciferin. *Free Radical Biology and Medicine*, **2013**, 61, 40-50	7.8	34
228	Activation of NLRP3 inflammasome in alveolar macrophages contributes to mechanical stretch-induced lung inflammation and injury. *Journal of Immunology*, **2013**, 190, 3590-9	5.3	166
227	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 p38 mitogen-activated protein kinase. *Journal of Biological Chemistry*, **2013**, 288, 17030-17041	5.4	42
226	A critical role for Lyn kinase in strengthening endothelial integrity and barrier function. *Blood*, **2013** , 122, 4140-9	2.2	43
225	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	3.7	24
224	Activation of Rac1 at adherens junctions promotes VE-cadherin trans interaction. *FASEB Journal*, **2013**, 27, 875.3	0.9	
223	Endothelial cell-specific STIM1 deletion prevents lung vascular leak. *FASEB Journal*, **2013**, 27, 1047.4	0.9	
222	End Binding protein 3 regulates calcium signaling and permeability of the endothelial barrier. *FASEB Journal*, **2013**, 27, 875.5	0.9	
221	Long Isoform of Myosin Light Chain Kinase Interacts with Calcium Release-Activated Calcium Channel Constituents to Induce an Amplified and Protracted Increase in Intracellular Calcium. *FASEB Journal*, **2013**, 27, 724.8	0.9	
220	Role of endothelial injury in disease mechanisms and contribution of progenitor cells in mediating endothelial repair. *Immunobiology*, **2012**, 217, 569-80	3.4	18
219	Bidirectional regulation of neutrophil migration by mitogen-activated protein kinases. *Nature Immunology*, **2012**, 13, 457-64	19.1	150
218	VE-cadherin signaling induces EB3 phosphorylation to suppress microtubule growth and assemble adherens junctions. *Molecular Cell*, **2012**, 48, 914-25	17.6	43
217	PKC activation of p120-catenin serine 879 phospho-switch disassembles VE-cadherin junctions and disrupts vascular integrity. *Circulation Research*, **2012**, 111, 739-49	15.7	74
216	ICAM-1-activated Src and eNOS signaling increase endothelial cell surface PECAM-1 adhesivity and neutrophil transmigration. *Blood*, **2012**, 120, 1942-52	2.2	70

215	TLR4 activation of TRPC6-dependent calcium signaling mediates endotoxin-induced lung vascular permeability and inflammation. *Journal of Experimental Medicine*, **2012**, 209, 1953-68	16.6	159
214	A critical role for phosphatidylinositol (3,4,5)-trisphosphate-dependent Rac exchanger 1 in endothelial junction disruption and vascular hyperpermeability. *Circulation Research*, **2012**, 111, 1517-27	15.7	39
213	Nitric oxide-dependent Src activation and resultant caveolin-1 phosphorylation promote eNOS/caveolin-1 binding and eNOS inhibition. *Molecular Biology of the Cell*, **2012**, 23, 1388-98	3.5	88
212	The Ca(2+) sensor stromal interaction molecule 1 (STIM1) is necessary and sufficient for the store-operated Ca(2+) entry function of transient receptor potential canonical (TRPC) 1 and 4 channels in endothelial cells. *Molecular Pharmacology*, **2012**, 81, 510-26	4.3	106
211	Cytoskeletal dynamics and lung fluid balance. *Comprehensive Physiology*, **2012**, 2, 449-78	7.7	32
210	Sphingosine kinase 1 mediation of expression of the anaphylatoxin receptor C5L2 dampens the inflammatory response to endotoxin. *PLoS ONE*, **2012**, 7, e30742	3.7	24
209	Localized activation of Rac1 promotes IQGAP1-dependent VE-cadherin trans interaction: Role in junction stabilization. *FASEB Journal*, **2012**, 26, 1063.5	0.9	
208	P-Rex1 is critical for vascular hyper-permeability and edema in the lungs. *FASEB Journal*, **2012**, 26, 842.10	0.9	
207	LPS/TLR4-NF-[kappa]B axis signaling amplifies STIM1 expression to augment PAR-1-induced Calcium entry and permeability response in lung microvessels. *FASEB Journal*, **2012**, 26, 571.2	0.9	
206	Downstream Effects of the Homophilic PECAM-1 Interaction in Neutrophils. *FASEB Journal*, **2012**, 26, 55.7	0.9	
205	Role of adaptor protein IQGAP1 in regulating endothelial permeability of lung vessels. *FASEB Journal*, **2012**, 26, 671.9	0.9	
204	Wnt Signaling Mediates De-differentiation of Endothelial Cells during Neovascularization. *FASEB Journal*, **2012**, 26, 1121.1	0.9	
203	ROS Sensitive Calcium Channel TRPM2 Regulates VEGF Induced Angiogenesis. *FASEB Journal*, **2012**, 26, 670.4	0.9	
202	PAR-1 induced AMPK-p38 MAPK signaling axis mediates STIM1 phosphorylation to prevent calcium entry through TRPC channels in endothelial cells. *FASEB Journal*, **2012**, 26, 1056.13	0.9	
201	Cation channel TRPC6 activation of TLR4 in endothelial cells mediates sepsis-induced acute lung injury. *FASEB Journal*, **2012**, 26, 1130.5	0.9	
200	The redox-sensitive cation channel TRPM2 modulates phagocyte ROS production and inflammation. *Nature Immunology*, **2011**, 13, 29-34	19.1	146
199	Permeability of endothelial barrier: cell culture and in vivo models. *Methods in Molecular Biology*, **2011**, 763, 333-54	1.4	18
198	Interaction of a specific population of human embryonic stem cell-derived progenitor cells with CD11b+ cells ameliorates sepsis-induced lung inflammatory injury. *American Journal of Pathology*, **2011**, 178, 313-24	5.8	23

197	Delivery of nanoparticle: complexed drugs across the vascular endothelial barrier via caveolae. *IUBMB Life*, **2011**, 63, 659-67	4.7	88
196	FoxM1 mediates the progenitor function of type II epithelial cells in repairing alveolar injury induced by Pseudomonas aeruginosa. *Journal of Experimental Medicine*, **2011**, 208, 1473-84	16.6	63
195	Innate immune function of the adherens junction protein p120-catenin in endothelial response to endotoxin. *Journal of Immunology*, **2011**, 186, 3180-3187	5.3	54
194	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, 1342-50	9.4	40
193	Caveolin-1-eNOS signaling promotes p190RhoGAP-A nitration and endothelial permeability. *Journal of Cell Biology*, **2011**, 193, 841-50	7.3	81
192	Caveolae and Signaling in Pulmonary Vascular Endothelial and Smooth Muscle Cells **2011**, 273-285		2
191	Microtubule-associated protein EB3 regulates calcium signaling and facilitates increase in endothelial permeability. *FASEB Journal*, **2011**, 25, lb496	0.9	
190	Toll-like receptor 4 mediates neutrophil sequestration and lung injury induced by endotoxin and hyperinflation. *Critical Care Medicine*, **2010**, 38, 194-201	1.4	82
189	Lipid phosphate phosphatase 3 stabilization of beta-catenin induces endothelial cell migration and formation of branching point structures. *Molecular and Cellular Biology*, **2010**, 30, 1593-606	4.8	34
188	Kruppel-like factor-4 transcriptionally regulates VE-cadherin expression and endothelial barrier function. *Circulation Research*, **2010**, 107, 959-66	15.7	81
187	FoxM1 regulates re-annealing of endothelial adherens junctions through transcriptional control of beta-catenin expression. *Journal of Experimental Medicine*, **2010**, 207, 1675-85	16.6	43
186	A novel function of sphingosine kinase 1 suppression of JNK activity in preventing inflammation and injury. *Journal of Biological Chemistry*, **2010**, 285, 15848-57	5.4	26
185	Ca2+ influx via TRPC channels induces NF-kappaB-dependent A20 expression to prevent thrombin-induced apoptosis in endothelial cells. *American Journal of Physiology - Cell Physiology*, **2010**, 298, C656-64	5.4	23
184	Bone marrow-derived progenitor cells prevent thrombin-induced increase in lung vascular permeability. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2010**, 298, L36-44	5.8	17
183	Requisite role of the cholinergic alpha7 nicotinic acetylcholine receptor pathway in suppressing Gram-negative sepsis-induced acute lung inflammatory injury. *Journal of Immunology*, **2010**, 184, 401-10	5.3	124
182	Role of protein kinase Czeta in thrombin-induced RhoA activation and inter-endothelial gap formation of human dermal microvessel endothelial cell monolayers. *Microvascular Research*, **2010**, 80, 240-9	3.7	33
181	TRP channels and the control of vascular function. *Current Opinion in Pharmacology*, **2010**, 10, 127-32	5.1	44
180	Regulation of endothelial permeability via paracellular and transcellular transport pathways. *Annual Review of Physiology*, **2010**, 72, 463-93	23.1	467

179	Caveolin-1 deficiency dampens Toll-like receptor 4 signaling through eNOS activation. *American Journal of Pathology*, **2010**, 176, 2344-51	5.8	56
178	TRPM2 channel regulates endothelial barrier function. *Advances in Experimental Medicine and Biology*, **2010**, 661, 155-67	3.6	38
177	Endothelial p120 catenin inhibits LPS-induced lung inflammatory injury by suppression of MAPK and NF-B activation. *FASEB Journal*, **2010**, 24, 797.10	0.9	
176	Requirement of a4b1 and a5b1 Integrin Expression in Bone-Marrow Derived Progenitor Cells in Preventing Endotoxin-Induced Lung Vascular Injury and Edema in Mice. *FASEB Journal*, **2010**, 24, 39.5	0.9	
175	Genetic Evidence for PKC Signaling in Thrombin-Induced NF- B Activation in Endothelial Cells. *FASEB Journal*, **2010**, 24, 833.22	0.9	
174	Role of H2O2-activated TRPM2 calcium channel in oxidant-induced endothelial injury. *Thrombosis and Haemostasis*, **2009**, 101, 619-625	7	72
173	Tiam1 and Rac1 are required for platelet-activating factor-induced endothelial junctional disassembly and increase in vascular permeability. *Journal of Biological Chemistry*, **2009**, 284, 5381-94	5.4	75
172	LIM kinase 1 promotes endothelial barrier disruption and neutrophil infiltration in mouse lungs. *Circulation Research*, **2009**, 105, 549-56	15.7	18
171	NF-kappaB regulates thrombin-induced ICAM-1 gene expression in cooperation with NFAT by binding to the intronic NF-kappaB site in the ICAM-1 gene. *Physiological Genomics*, **2009**, 38, 42-53	3.6	44
170	Caveolin-1 scaffold domain interacts with TRPC1 and IP3R3 to regulate Ca2+ store release-induced Ca2+ entry in endothelial cells. *American Journal of Physiology - Cell Physiology*, **2009**, 296, C403-13	5.4	100
169	Ca2+ entry via TRPC channels is necessary for thrombin-induced NF-kappaB activation in endothelial cells through AMP-activated protein kinase and protein kinase Cdelta. *Journal of Biological Chemistry*, **2009**, 284, 563-574	5.4	60
168	Bone marrow progenitor cells induce endothelial adherens junction integrity by sphingosine-1-phosphate-mediated Rac1 and Cdc42 signaling. *Circulation Research*, **2009**, 105, 696-704, 8 p following 704	15.7	50
167	Requirement of alpha(4)beta(1) and alpha(5)beta(1) integrin expression in bone-marrow-derived progenitor cells in preventing endotoxin-induced lung vascular injury and edema in mice. *Stem Cells* , **2009**, 27, 3112-20	5.8	28
166	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	5.3	260
165	NADPH oxidase-dependent signaling in endothelial cells: role in physiology and pathophysiology. *Antioxidants and Redox Signaling*, **2009**, 11, 791-810	8.4	310
164	Size and dynamics of caveolae studied using nanoparticles in living endothelial cells. *ACS Nano*, **2009**, 3, 4110-6	16.7	237
163	Persistent eNOS activation secondary to caveolin-1 deficiency induces pulmonary hypertension in mice and humans through PKG nitration. *Journal of Clinical Investigation*, **2009**, 119, 2009-18	15.9	215
162	Role of H(2)O(2)-activated TRPM2 calcium channel in oxidant-induced endothelial injury. *Thrombosis and Haemostasis*, **2009**, 101, 619-25	7	42

161	PKC□REGULATION OF TRPM2 CHANNEL ACTIVATION OF Ca2+ ENTRY IN ENDOTHELIAL CELLS. *FASEB Journal*, **2009**, 23, 937.9	0.9	
160	TRPC1-Mediated Ca2+ Entry Increases Lung Microvascular Permeability. *FASEB Journal*, **2009**, 23, 964.9	0.9	
159	Nitration of p190RhoGAP secondary to caveolae-mediated endocytosis increases endothelial junctional permeability. *FASEB Journal*, **2009**, 23, 121.8	0.9	1
158	VE-cadherin-mediated signaling regulates microtubule dynamics. *FASEB Journal*, **2009**, 23, 357.8	0.9	
157	Nonmuscle myosin light-chain kinase mediates neutrophil transmigration in sepsis-induced lung inflammation by activating beta2 integrins. *Nature Immunology*, **2008**, 9, 880-6	19.1	80
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