William C Sessa

List of Publications by Citations

316 papers	42,075 citations	103 h-index	200 g-index
339 ext. papers	45,372 ext. citations	10.3 avg, IF	7.34 L-index

#	Paper	IF	Citations
316	Nitric oxide synthases: regulation and function. *European Heart Journal*, **2012**, 33, 829-37, 837a-837d	9.5	2229
315	Regulation of endothelium-derived nitric oxide production by the protein kinase Akt. *Nature*, **1999**, 399, 597-601	50.4	2190
314	The HMG-CoA reductase inhibitor simvastatin activates the protein kinase Akt and promotes angiogenesis in normocholesterolemic animals. *Nature Medicine*, **2000**, 6, 1004-10	50.5	1230
313	Evolving functions of endothelial cells in inflammation. *Nature Reviews Immunology*, **2007**, 7, 803-15	36.5	1130
312	Biological action of leptin as an angiogenic factor. *Science*, **1998**, 281, 1683-6	33.3	1017
311	Caveolins, liquid-ordered domains, and signal transduction. *Molecular and Cellular Biology*, **1999**, 19, 7289-304	4..	913
310	Nitric oxide production contributes to the angiogenic properties of vascular endothelial growth factor in human endothelial cells. *Journal of Clinical Investigation*, **1997**, 100, 3131-9	15.9	894
309	Dynamic activation of endothelial nitric oxide synthase by Hsp90. *Nature*, **1998**, 392, 821-4	50.4	871
308	Elevated blood pressures in mice lacking endothelial nitric oxide synthase. *Proceedings of the National Academy of Sciences of the United States of America*, **1996**, 93, 13176-81	11.5	770
307	Chronic exercise in dogs increases coronary vascular nitric oxide production and endothelial cell nitric oxide synthase gene expression. *Circulation Research*, **1994**, 74, 349-53	15.7	754
306	Direct evidence for the importance of endothelium-derived nitric oxide in vascular remodeling. *Journal of Clinical Investigation*, **1998**, 101, 731-6	15.9	644
305	Dissecting the interaction between nitric oxide synthase (NOS) and caveolin. Functional significance of the nos caveolin binding domain in vivo. *Journal of Biological Chemistry*, **1997**, 272, 25437-40	5.4	639
304	Targeting of nitric oxide synthase to endothelial cell caveolae via palmitoylation: implications for nitric oxide signaling. *Proceedings of the National Academy of Sciences of the United States of America*, **1996**, 93, 6448-53	11.5	596
303	Dicer dependent microRNAs regulate gene expression and functions in human endothelial cells. *Circulation Research*, **2007**, 100, 1164-73	15.7	585
302	Angiopoietin-1 inhibits endothelial cell apoptosis via the Akt/survivin pathway. *Journal of Biological Chemistry*, **2000**, 275, 9102-5	5.4	485
301	Membrane estrogen receptor engagement activates endothelial nitric oxide synthase via the PI3-kinase-Akt pathway in human endothelial cells. *Circulation Research*, **2000**, 87, 677-82	15.7	476
300	In vivo delivery of the caveolin-1 scaffolding domain inhibits nitric oxide synthesis and reduces inflammation. *Nature Medicine*, **2000**, 6, 1362-7	50.5	472

299	Involvement of nitric oxide in the reflex relaxation of the stomach to accommodate food or fluid. *Nature*, **1991**, 351, 477-9	50.4	466
298	The metabolism of L-arginine and its significance for the biosynthesis of endothelium-derived relaxing factor: cultured endothelial cells recycle L-citrulline to L-arginine. *Proceedings of the National Academy of Sciences of the United States of America*, **1990**, 87, 8612-6	11.5	454
297	eNOS at a glance. *Journal of Cell Science*, **2004**, 117, 2427-9	5.3	433
296	Endothelial nitric oxide synthase is regulated by tyrosine phosphorylation and interacts with caveolin-1. *Journal of Biological Chemistry*, **1996**, 271, 27237-40	5.4	422
295	The mammalian target of rapamycin complex 2 controls folding and stability of Akt and protein kinase C. *EMBO Journal*, **2008**, 27, 1932-43	13	412
294	Dicer-dependent endothelial microRNAs are necessary for postnatal angiogenesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 14082-7	11.5	406
293	The nitric oxide synthase family of proteins. *Journal of Vascular Research*, **1994**, 31, 131-43	1.9	384
292	Pathological angiogenesis is induced by sustained Akt signaling and inhibited by rapamycin. *Cancer Cell*, **2006**, 10, 159-70	24.3	351
291	Vascular endothelial growth factor-stimulated actin reorganization and migration of endothelial cells is regulated via the serine/threonine kinase Akt. *Circulation Research*, **2000**, 86, 892-6	15.7	346
290	MicroRNAs as novel regulators of angiogenesis. *Circulation Research*, **2009**, 104, 442-54	15.7	340
289	17 beta-estradiol regulation of human endothelial cell basal nitric oxide release, independent of cytosolic Ca2+ mobilization. *Circulation Research*, **1997**, 81, 885-92	15.7	337
288	Native low-density lipoprotein increases endothelial cell nitric oxide synthase generation of superoxide anion. *Circulation Research*, **1995**, 77, 510-8	15.7	322
287	Enhanced electron flux and reduced calmodulin dissociation may explain "calcium-independent" eNOS activation by phosphorylation. *Journal of Biological Chemistry*, **2000**, 275, 6123-8	5.4	305
286	Akt1/protein kinase Balpha is critical for ischemic and VEGF-mediated angiogenesis. *Journal of Clinical Investigation*, **2005**, 115, 2119-27	15.9	303
285	Domain mapping studies reveal that the M domain of hsp90 serves as a molecular scaffold to regulate Akt-dependent phosphorylation of endothelial nitric oxide synthase and NO release. *Circulation Research*, **2002**, 90, 866-73	15.7	286
284	Regulation of nitric oxide synthesis by proinflammatory cytokines in human umbilical vein endothelial cells. Elevations in tetrahydrobiopterin levels enhance endothelial nitric oxide synthase specific activity. *Journal of Clinical Investigation*, **1994**, 93, 2236-43	15.9	286
283	Regulation of survivin function by Hsp90. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 13791-6	11.5	282
282	Impaired endothelial nitric oxide synthase activity associated with enhanced caveolin binding in experimental cirrhosis in the rat. *Gastroenterology*, **1999**, 117, 1222-8	13.3	279

281	Direct evidence for the role of caveolin-1 and caveolae in mechanotransduction and remodeling of blood vessels. *Journal of Clinical Investigation*, **2006**, 116, 1284-91	15.9	278
280	Akt-mediated phosphorylation of the G protein-coupled receptor EDG-1 is required for endothelial cell chemotaxis. *Molecular Cell*, **2001**, 8, 693-704	17.6	269
279	Caveolae and caveolins in the cardiovascular system. *Circulation Research*, **2004**, 94, 1408-17	15.7	268
278	Cyclic strain upregulates nitric oxide synthase in cultured bovine aortic endothelial cells. *Journal of Clinical Investigation*, **1995**, 96, 1449-54	15.9	262
277	Endothelial nitric oxide synthase is critical for ischemic remodeling, mural cell recruitment, and blood flow reserve. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 10999-1004	11.5	261
276	Liver sinusoidal endothelial cells are responsible for nitric oxide modulation of resistance in the hepatic sinusoids. *Journal of Clinical Investigation*, **1997**, 100, 2923-30	15.9	258
275	Heat shock protein 90 mediates the balance of nitric oxide and superoxide anion from endothelial nitric-oxide synthase. *Journal of Biological Chemistry*, **2001**, 276, 17621-4	5.4	252
274	Reconstitution of an endothelial nitric-oxide synthase (eNOS), hsp90, and caveolin-1 complex in vitro. Evidence that hsp90 facilitates calmodulin stimulated displacement of eNOS from caveolin-1. *Journal of Biological Chemistry*, **2000**, 275, 22268-72	5.4	249
273	Src kinase mediates phosphatidylinositol 3-kinase/Akt-dependent rapid endothelial nitric-oxide synthase activation by estrogen. *Journal of Biological Chemistry*, **2003**, 278, 2118-23	5.4	240
272	Caveolin regulation of endothelial function. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2003**, 285, L1179-83	5.8	236
271	Akt down-regulation of p38 signaling provides a novel mechanism of vascular endothelial growth factor-mediated cytoprotection in endothelial cells. *Journal of Biological Chemistry*, **2001**, 276, 30359-65	5.4	230
270	Sphingosine 1-phosphate activates Akt, nitric oxide production, and chemotaxis through a Gi protein/phosphoinositide 3-kinase pathway in endothelial cells. *Journal of Biological Chemistry*, **2001**, 276, 19672-7	5.4	224
269	Selective inhibition of tumor microvascular permeability by cavtratin blocks tumor progression in mice. *Cancer Cell*, **2003**, 4, 31-9	24.3	221
268	Bacterial infection induces nitric oxide synthase in human neutrophils. *Journal of Clinical Investigation*, **1997**, 99, 110-6	15.9	219
267	The Golgi association of endothelial nitric oxide synthase is necessary for the efficient synthesis of nitric oxide. *Journal of Biological Chemistry*, **1995**, 270, 17641-4	5.4	213
266	Caveolae, caveolins, and cavins: complex control of cellular signalling and inflammation. *Cardiovascular Research*, **2010**, 86, 219-25	9.9	211
265	Loss of Akt1 leads to severe atherosclerosis and occlusive coronary artery disease. *Cell Metabolism*, **2007**, 6, 446-57	24.6	209
264	Nitric oxide synthase generates nitric oxide locally to regulate compartmentalized protein S-nitrosylation and protein trafficking. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 19777-82	11.5	206

263	Palmitoylation of endothelial nitric oxide synthase is necessary for optimal stimulated release of nitric oxide: implications for caveolae localization. *Biochemistry*, **1996**, 35, 13277-81	3.2	204
262	MicroRNAs are necessary for vascular smooth muscle growth, differentiation, and function. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2010**, 30, 1118-26	9.4	201
261	Phosphorylation of threonine 497 in endothelial nitric-oxide synthase coordinates the coupling of L-arginine metabolism to efficient nitric oxide production. *Journal of Biological Chemistry*, **2003**, 278, 44719-26	5.4	194
260	A new role for Nogo as a regulator of vascular remodeling. *Nature Medicine*, **2004**, 10, 382-8	50.5	192
259	Distinction between signaling mechanisms in lipid rafts vs. caveolae. *Proceedings of the National Academy of Sciences of the United States of America*, **2001**, 98, 14072-7	11.5	190
258	Reexpression of caveolin-1 in endothelium rescues the vascular, cardiac, and pulmonary defects in global caveolin-1 knockout mice. *Journal of Experimental Medicine*, **2007**, 204, 2373-82	16.6	188
257	Compensatory phosphorylation and protein-protein interactions revealed by loss of function and gain of function mutants of multiple serine phosphorylation sites in endothelial nitric-oxide synthase. *Journal of Biological Chemistry*, **2003**, 278, 14841-9	5.4	187
256	Functional analysis of the human endothelial nitric oxide synthase promoter. Sp1 and GATA factors are necessary for basal transcription in endothelial cells. *Journal of Biological Chemistry*, **1995**, 270, 15320-6	5.4	186
255	Reduced gene expression of vascular endothelial NO synthase and cyclooxygenase-1 in heart failure. *Circulation Research*, **1996**, 78, 58-64	15.7	186
254	Localization of endothelial nitric-oxide synthase phosphorylated on serine 1179 and nitric oxide in Golgi and plasma membrane defines the existence of two pools of active enzyme. *Journal of Biological Chemistry*, **2002**, 277, 4277-84	5.4	170
253	The role of Nogo and the mitochondria-endoplasmic reticulum unit in pulmonary hypertension. *Science Translational Medicine*, **2011**, 3, 88ra55	17.5	166
252	Dissecting the molecular control of endothelial NO synthase by caveolin-1 using cell-permeable peptides. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 761-6	11.5	163
251	The biosynthesis of endothelin-1 by human polymorphonuclear leukocytes. *Biochemical and Biophysical Research Communications*, **1991**, 174, 613-8	3.4	163
250	Acute modulation of endothelial Akt/PKB activity alters nitric oxide-dependent vasomotor activity in vivo. *Journal of Clinical Investigation*, **2000**, 106, 493-9	15.9	162
249	Suppression of vascular endothelial growth factor-mediated endothelial cell protection by survivin targeting. *American Journal of Pathology*, **2001**, 158, 1757-65	5.8	162
248	The first 35 amino acids and fatty acylation sites determine the molecular targeting of endothelial nitric oxide synthase into the Golgi region of cells: a green fluorescent protein study. *Journal of Cell Biology*, **1997**, 137, 1525-35	7.3	159
247	Prohibitin-1 maintains the angiogenic capacity of endothelial cells by regulating mitochondrial function and senescence. *Journal of Cell Biology*, **2008**, 180, 101-12	7.3	159
246	Mutation of N-myristoylation site converts endothelial cell nitric oxide synthase from a membrane to a cytosolic protein. *Circulation Research*, **1993**, 72, 921-4	15.7	154

245	Cell-permeable peptides improve cellular uptake and therapeutic gene delivery of replication-deficient viruses in cells and in vivo. *Nature Medicine*, **2003**, 9, 357-62	50.5	153
244	Characterization of bovine endothelial nitric oxide synthase expressed in E. coli. *Biochemical and Biophysical Research Communications*, **1996**, 219, 359-65	3.4	152
243	Endothelial nitric oxide synthase: the Cinderella of inflammation?. *Trends in Pharmacological Sciences*, **2003**, 24, 91-5	13.2	150
242	Estrogen stimulates heat shock protein 90 binding to endothelial nitric oxide synthase in human vascular endothelial cells. Effects on calcium sensitivity and NO release. *Journal of Biological Chemistry*, **2000**, 275, 5026-30	5.4	144
241	Molecular control of nitric oxide synthases in the cardiovascular system. *Cardiovascular Research*, **1999**, 43, 509-20	9.9	140
240	Characterization of bovine endothelial nitric oxide synthase as a homodimer with down-regulated uncoupled NADPH oxidase activity: tetrahydrobiopterin binding kinetics and role of haem in dimerization. *Biochemical Journal*, **1997**, 323 (Pt 1), 159-65	3.8	139
239	Hsp90-Akt phosphorylates ASK1 and inhibits ASK1-mediated apoptosis. *Oncogene*, **2005**, 24, 3954-63	9.2	139
238	Mild increases in portal pressure upregulate vascular endothelial growth factor and endothelial nitric oxide synthase in the intestinal microcirculatory bed, leading to a hyperdynamic state. *American Journal of Physiology - Renal Physiology*, **2006**, 290, G980-7	5.1	138
237	Perivascular nitric oxide gradients normalize tumor vasculature. *Nature Medicine*, **2008**, 14, 255-7	50.5	136
236	Endothelial-specific expression of caveolin-1 impairs microvascular permeability and angiogenesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 204-9	11.5	135
235	Inflammation and the blood microvascular system. *Cold Spring Harbor Perspectives in Biology*, **2014**, 7, a016345	10.2	134
234	Identification of Golgi-localized acyl transferases that palmitoylate and regulate endothelial nitric oxide synthase. *Journal of Cell Biology*, **2006**, 174, 369-77	7.3	131
233	Endothelial nitric oxide synthase activation is critical for vascular leakage during acute inflammation in vivo. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 904-8	11.5	126
232	The phosphorylation state of eNOS modulates vascular reactivity and outcome of cerebral ischemia in vivo. *Journal of Clinical Investigation*, **2007**, 117, 1961-7	15.9	125
231	miRNAs as modulators of angiogenesis. *Cold Spring Harbor Perspectives in Medicine*, **2013**, 3, a006643	5.4	124
230	Acidic hydrolysis as a mechanism for the cleavage of the Glu(298)-->Asp variant of human endothelial nitric-oxide synthase. *Journal of Biological Chemistry*, **2001**, 276, 26674-9	5.4	123
229	Akt1 is critical for acute inflammation and histamine-mediated vascular leakage. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 14552-7	11.5	119
228	Caveolin-1-deficient mice have increased tumor microvascular permeability, angiogenesis, and growth. *Cancer Research*, **2007**, 67, 2849-56	10.1	119

227	Inhibitor of apoptosis protein survivin regulates vascular injury. *Nature Medicine*, **2002**, 8, 987-94	50.5	119
226	Absence of Akt1 reduces vascular smooth muscle cell migration and survival and induces features of plaque vulnerability and cardiac dysfunction during atherosclerosis. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2009**, 29, 2033-40	9.4	118
225	Genetic evidence supporting caveolae microdomain regulation of calcium entry in endothelial cells. *Journal of Biological Chemistry*, **2007**, 282, 16631-43	5.4	118
224	Genetic evidence supporting a critical role of endothelial caveolin-1 during the progression of atherosclerosis. *Cell Metabolism*, **2009**, 10, 48-54	24.6	116
223	Endothelial-specific expression of mitochondrial thioredoxin improves endothelial cell function and reduces atherosclerotic lesions. *American Journal of Pathology*, **2007**, 170, 1108-20	5.8	116
222	CCM3 signaling through sterile 20-like kinases plays an essential role during zebrafish cardiovascular development and cerebral cavernous malformations. *Journal of Clinical Investigation*, **2010**, 120, 2795-804	15.9	116
221	Biosynthesis and palmitoylation of endothelial nitric oxide synthase: mutagenesis of palmitoylation sites, cysteines-15 and/or -26, argues against depalmitoylation-induced translocation of the enzyme. *Biochemistry*, **1995**, 34, 12333-40	3.2	115
220	VEGF-Induced Expression of miR-17-92 Cluster in Endothelial Cells Is Mediated by ERK/ELK1 Activation and Regulates Angiogenesis. *Circulation Research*, **2016**, 118, 38-47	15.7	112
219	Targeting of endothelial nitric-oxide synthase to the cytoplasmic face of the Golgi complex or plasma membrane regulates Akt- versus calcium-dependent mechanisms for nitric oxide release. *Journal of Biological Chemistry*, **2004**, 279, 30349-57	5.4	111
218	Identification of a receptor necessary for Nogo-B stimulated chemotaxis and morphogenesis of endothelial cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 10997-1002	11.5	110
217	Differential functions of tumor necrosis factor receptor 1 and 2 signaling in ischemia-mediated arteriogenesis and angiogenesis. *American Journal of Pathology*, **2006**, 169, 1886-98	5.8	108
216	Venous identity is lost but arterial identity is not gained during vein graft adaptation. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2007**, 27, 1562-71	9.4	106
215	Functional reconstitution of endothelial nitric oxide synthase reveals the importance of serine 1179 in endothelium-dependent vasomotion. *Circulation Research*, **2002**, 90, 904-10	15.7	105
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212	Transduction of the liver with activated Akt normalizes portal pressure in cirrhotic rats. *Gastroenterology*, **2003**, 125, 522-31	13.3	99
211	Smooth muscle miRNAs are critical for post-natal regulation of blood pressure and vascular function. *PLoS ONE*, **2011**, 6, e18869	3.7	97
210	eNOS-derived nitric oxide regulates endothelial barrier function through VE-cadherin and Rho GTPases. *Journal of Cell Science*, **2013**, 126, 5541-52	5.3	96

209	Endothelial glucocorticoid receptor is required for protection against sepsis. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 306-11	11.5	96
208	Trafficking of endothelial nitric-oxide synthase in living cells. Quantitative evidence supporting the role of palmitoylation as a kinetic trapping mechanism limiting membrane diffusion. *Journal of Biological Chemistry*, **1999**, 274, 22524-31	5.4	96
207	A noninhibitory mutant of the caveolin-1 scaffolding domain enhances eNOS-derived NO synthesis and vasodilation in mice. *Journal of Clinical Investigation*, **2011**, 121, 3747-55	15.9	93
206	Essential role of nitric oxide in VEGF-induced, asthma-like angiogenic, inflammatory, mucus, and physiologic responses in the lung. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 11021-6	11.5	93
205	PI3 kinase inhibition improves vascular malformations in mouse models of hereditary haemorrhagic telangiectasia. *Nature Communications*, **2016**, 7, 13650	17.4	92
204	Endothelial Akt1 mediates angiogenesis by phosphorylating multiple angiogenic substrates. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 12865-70	11.5	91
203	Direct interaction between endothelial nitric-oxide synthase and dynamin-2. Implications for nitric-oxide synthase function. *Journal of Biological Chemistry*, **2001**, 276, 14249-56	5.4	91
202	Nitric oxide in endothelial dysfunction and vascular remodeling: clinical correlates and experimental links. *American Journal of Human Genetics*, **1999**, 64, 673-7	11	89
201	The phosphorylation of caveolin-2 on serines 23 and 36 modulates caveolin-1-dependent caveolae formation. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 6511-6	11.5	87
200	Lacteal junction zippering protects against diet-induced obesity. *Science*, **2018**, 361, 599-603	33.3	85
199	Endothelial nitric oxide synthase regulates microvascular hyperpermeability in vivo. *Journal of Physiology*, **2006**, 574, 275-81	3.9	85
198	Caveolin-1 can regulate vascular smooth muscle cell fate by switching platelet-derived growth factor signaling from a proliferative to an apoptotic pathway. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2003**, 23, 1521-7	9.4	85
197	Angiopoietin-1 negatively regulates expression and activity of tissue factor in endothelial cells. *FASEB Journal*, **2002**, 16, 126-8	0.9	85
196	Chaperone-dependent regulation of endothelial nitric-oxide synthase intracellular trafficking by the co-chaperone/ubiquitin ligase CHIP. *Journal of Biological Chemistry*, **2003**, 278, 49332-41	5.4	84
195	Endothelial nitric oxide synthase regulates microlymphatic flow via collecting lymphatics. *Circulation Research*, **2004**, 95, 204-9	15.7	83
194	Regulation of endothelial derived nitric oxide in health and disease. *Memorias Do Instituto Oswaldo Cruz*, **2005**, 100 Suppl 1, 15-8	2.6	83
193	Functional relevance of Golgi- and plasma membrane-localized endothelial NO synthase in reconstituted endothelial cells. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2006**, 26, 1015-21	9.4	82
192	Myoferlin regulates vascular endothelial growth factor receptor-2 stability and function. *Journal of Biological Chemistry*, **2007**, 282, 30745-53	5.4	82

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190	ATP-binding cassette transporter G1 and high-density lipoprotein promote endothelial NO synthesis through a decrease in the interaction of caveolin-1 and endothelial NO synthase. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2010**, 30, 2219-25	9.4	80
189	Endothelial NO synthase phosphorylated at SER635 produces NO without requiring intracellular calcium increase. *Free Radical Biology and Medicine*, **2003**, 35, 729-41	7.8	80
188	Vasomotor control in arterioles of the mouse cremaster muscle. *FASEB Journal*, **2000**, 14, 197-207	0.9	80
187	T cell-mediated vascular dysfunction of human allografts results from IFN-gamma dysregulation of NO synthase. *Journal of Clinical Investigation*, **2004**, 114, 846-56	15.9	80
186	Induction of nitric oxide synthase mRNA by shear stress requires intracellular calcium and G-protein signals and is modulated by PI 3 kinase. *Biochemical and Biophysical Research Communications*, **1999**, 254, 231-42	3.4	79
185	Molecular control of blood flow and angiogenesis: role of nitric oxide. *Journal of Thrombosis and Haemostasis*, **2009**, 7 Suppl 1, 35-7	15.4	76
184	PKCalpha activates eNOS and increases arterial blood flow in vivo. *Circulation Research*, **2005**, 97, 482-7	15.7	76
183	Thrombospondin-2 modulates extracellular matrix remodeling during physiological angiogenesis. *American Journal of Pathology*, **2008**, 173, 879-91	5.8	75
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181	Nogo-B receptor is necessary for cellular dolichol biosynthesis and protein N-glycosylation. *EMBO Journal*, **2011**, 30, 2490-500	13	73
180	Endothelial-specific overexpression of caveolin-1 accelerates atherosclerosis in apolipoprotein E-deficient mice. *American Journal of Pathology*, **2010**, 177, 998-1003	5.8	73
179	Mutation of Nogo-B receptor, a subunit of cis-prenyltransferase, causes a congenital disorder of glycosylation. *Cell Metabolism*, **2014**, 20, 448-57	24.6	72
178	Ten-eleven translocation (Tet) and thymine DNA glycosylase (TDG), components of the demethylation pathway, are direct targets of miRNA-29a. *Biochemical and Biophysical Research Communications*, **2013**, 437, 368-73	3.4	71
177	The Akt1-eNOS axis illustrates the specificity of kinase-substrate relationships in vivo. *Science Signaling*, **2009**, 2, ra41	8.8	70
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175	Variant estrogen receptor-c-Src molecular interdependence and c-Src structural requirements for endothelial NO synthase activation. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 16468-73	11.5	70
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173	Codistribution of NOS and caveolin throughout peripheral vasculature and skeletal muscle of hamsters. *American Journal of Physiology - Heart and Circulatory Physiology*, **1999**, 277, H1167-77	5.2	70
172	Reticulon 4B (Nogo-B) is necessary for macrophage infiltration and tissue repair. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 17511-6	11.5	69
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168	The phosphodiesterase 5 inhibitor sildenafil stimulates angiogenesis through a protein kinase G/MAPK pathway. *Journal of Cellular Physiology*, **2007**, 211, 197-204	7	66
167	Mesenteric vasoconstriction triggers nitric oxide overproduction in the superior mesenteric artery of portal hypertensive rats. *Gastroenterology*, **2003**, 125, 1452-61	13.3	65
166	Myoferlin is critical for endocytosis in endothelial cells. *American Journal of Physiology - Cell Physiology*, **2009**, 297, C484-92	5.4	64
165	Substrate binding and calmodulin binding to endothelial nitric oxide synthase coregulate its enzymatic activity. *Nitric Oxide - Biology and Chemistry*, **1997**, 1, 74-87	5	64
164	Critical function of Bmx/Etk in ischemia-mediated arteriogenesis and angiogenesis. *Journal of Clinical Investigation*, **2006**, 116, 2344-55	15.9	64
163	AIP1 functions as an endogenous inhibitor of VEGFR2-mediated signaling and inflammatory angiogenesis in mice. *Journal of Clinical Investigation*, **2008**, 118, 3904-16	15.9	64
162	Chronic treatment with nitric oxide-releasing aspirin reduces plasma low-density lipoprotein oxidation and oxidative stress, arterial oxidation-specific epitopes, and atherogenesis in hypercholesterolemic mice. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 12467-70	11.5	63
161	Lipid Droplet Biogenesis and Function in the Endothelium. *Circulation Research*, **2017**, 120, 1289-1297	15.7	61
160	Angiopoietin-2 secretion by endothelial cell exosomes: regulation by the phosphatidylinositol 3-kinase (PI3K)/Akt/endothelial nitric oxide synthase (eNOS) and syndecan-4/syntenin pathways. *Journal of Biological Chemistry*, **2014**, 289, 510-9	5.4	61
159	Sin1-mTORC2 suppresses rag and il7r gene expression through Akt2 in B cells. *Molecular Cell*, **2010**, 39, 433-43	17.6	60
158	Interferon-gamma plays a nonredundant role in mediating T cell-dependent outward vascular remodeling of allogeneic human coronary arteries. *FASEB Journal*, **2004**, 18, 606-8	0.9	60
157	Endothelial NOS: perspective and recent developments. *British Journal of Pharmacology*, **2019**, 176, 189-196	8.6	60
156	NO triggers RGS4 degradation to coordinate angiogenesis and cardiomyocyte growth. *Journal of Clinical Investigation*, **2013**, 123, 1718-31	15.9	59

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List of Publications

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