

# Ingrid Fleming

## List of Publications by Citations

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321  
papers

24,218  
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83  
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g-index

351  
ext. papers

26,353  
ext. citations

8.7  
avg, IF

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L-index

#	Paper	IF	Citations
321	Activation of nitric oxide synthase in endothelial cells by Akt-dependent phosphorylation. <i>Nature</i> , <b>1999</b> , 399, 601-5	50.4	2980
320	Cytochrome P450 2C is an EDHF synthase in coronary arteries. <i>Nature</i> , <b>1999</b> , 401, 493-7	50.4	784
319	EDHF: bringing the concepts together. <i>Trends in Pharmacological Sciences</i> , <b>2002</b> , 23, 374-80	13.2	664
318	Molecular mechanisms involved in the regulation of the endothelial nitric oxide synthase. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2003</b> , 284, R1-12	3.2	653
317	Phosphorylation of Thr(495) regulates Ca(2+)/calmodulin-dependent endothelial nitric oxide synthase activity. <i>Circulation Research</i> , <b>2001</b> , 88, E68-75	15.7	526
316	Transdifferentiation of blood-derived human adult endothelial progenitor cells into functionally active cardiomyocytes. <i>Circulation</i> , <b>2003</b> , 107, 1024-32	16.7	472
315	Endothelial aging. <i>Cardiovascular Research</i> , <b>2005</b> , 66, 286-94	9.9	427
314	Endothelium-derived hyperpolarizing factor synthase (Cytochrome P450 2C9) is a functionally significant source of reactive oxygen species in coronary arteries. <i>Circulation Research</i> , <b>2001</b> , 88, 44-51	15.7	371
313	Cytochrome p450 and vascular homeostasis. <i>Circulation Research</i> , <b>2001</b> , 89, 753-62	15.7	323
312	Signal transduction of eNOS activation. <i>Cardiovascular Research</i> , <b>1999</b> , 43, 532-41	9.9	318
311	Nitric oxide attenuates the release of endothelium-derived hyperpolarizing factor. <i>Circulation</i> , <b>1996</b> , 94, 3341-7	16.7	314
310	Modulation of the Ca <sup>2+</sup> permeable cation channel TRPV4 by cytochrome P450 epoxygenases in vascular endothelium. <i>Circulation Research</i> , <b>2005</b> , 97, 908-15	15.7	301
309	Molecular mechanisms underlying the activation of eNOS. <i>Pflugers Archiv European Journal of Physiology</i> , <b>2010</b> , 459, 793-806	4.6	298
308	Activation and signaling by the AMP-activated protein kinase in endothelial cells. <i>Circulation Research</i> , <b>2009</b> , 105, 114-27	15.7	255
307	Ultrastructure and molecular histology of rabbit hind-limb collateral artery growth (arteriogenesis). <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , <b>2000</b> , 436, 257-70	5.1	254
306	Role of PECAM-1 in the shear-stress-induced activation of Akt and the endothelial nitric oxide synthase (eNOS) in endothelial cells. <i>Journal of Cell Science</i> , <b>2005</b> , 118, 4103-11	5.3	235
305	An endothelium-derived hyperpolarizing factor distinct from NO and prostacyclin is a major endothelium-dependent vasodilator in resistance vessels of wild-type and endothelial NO synthase knockout mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2000</b> , 97, 9747-52	11.5	230

304	Ca <sup>2+</sup> -independent activation of the endothelial nitric oxide synthase in response to tyrosine phosphatase inhibitors and fluid shear stress. <i>Circulation Research</i> , <b>1998</b> , 82, 686-95	15.7	223
303	Pulsatile stretch and shear stress: physical stimuli determining the production of endothelium-derived relaxing factors. <i>Journal of Vascular Research</i> , <b>1998</b> , 35, 73-84	1.9	211
302	Phosphorylation and activation of the endothelial nitric oxide synthase by fluid shear stress. <i>Acta Physiologica Scandinavica</i> , <b>2000</b> , 168, 81-8		208
301	Intracellular pH and tyrosine phosphorylation but not calcium determine shear stress-induced nitric oxide production in native endothelial cells. <i>Circulation Research</i> , <b>1996</b> , 78, 750-8	15.7	196
300	Epoxyeicosatrienoic acids and endothelium-dependent responses. <i>Pflugers Archiv European Journal of Physiology</i> , <b>2010</b> , 459, 881-95	4.6	195
299	Phosphorylation of threonine 497 in endothelial nitric-oxide synthase coordinates the coupling of L-arginine metabolism to efficient nitric oxide production. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 44719-26	5.4	194
298	Endothelial dysfunction coincides with an enhanced nitric oxide synthase expression and superoxide anion production. <i>Hypertension</i> , <b>1997</b> , 30, 934-41	8.5	193
297	Valproic acid inhibits angiogenesis in vitro and in vivo. <i>Molecular Pharmacology</i> , <b>2004</b> , 65, 520-7	4.3	186
296	MicroRNA-27a/b controls endothelial cell repulsion and angiogenesis by targeting semaphorin 6A. <i>Blood</i> , <b>2012</b> , 119, 1607-16	2.2	185
295	The atherosusceptible endothelium: endothelial phenotypes in complex haemodynamic shear stress regions in vivo. <i>Cardiovascular Research</i> , <b>2013</b> , 99, 315-27	9.9	183
294	Endothelial dysfunction in atherosclerosis. <i>Journal of Vascular Research</i> , <b>1996</b> , 33, 181-94	1.9	183
293	Inhibitors of histone deacetylation downregulate the expression of endothelial nitric oxide synthase and compromise endothelial cell function in vasorelaxation and angiogenesis. <i>Circulation Research</i> , <b>2002</b> , 91, 837-44	15.7	179
292	Incubation with endotoxin activates the L-arginine pathway in vascular tissue. <i>Biochemical and Biophysical Research Communications</i> , <b>1990</b> , 171, 562-8	3.4	170
291	Inhibition of diet-induced atherosclerosis and endothelial dysfunction in apolipoprotein E/angiotensin II type 1A receptor double-knockout mice. <i>Circulation</i> , <b>2004</b> , 110, 3062-7	16.7	165
290	NO: the primary EDRF. <i>Journal of Molecular and Cellular Cardiology</i> , <b>1999</b> , 31, 5-14	5.8	164
289	Soluble epoxide hydrolase is a main effector of angiotensin II-induced hypertension. <i>Hypertension</i> , <b>2005</b> , 45, 759-65	8.5	155
288	Epoxyeicosatrienoic acids regulate Trp channel dependent Ca <sup>2+</sup> signaling and hyperpolarization in endothelial cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2007</b> , 27, 2612-8	9.4	143
287	Vasodilator dysfunction in aged spontaneously hypertensive rats: changes in NO synthase III and soluble guanylyl cyclase expression, and in superoxide anion production. <i>Cardiovascular Research</i> , <b>1998</b> , 37, 772-9	9.9	143

286	Cytochrome P450 2C9-derived epoxyeicosatrienoic acids induce angiogenesis via cross-talk with the epidermal growth factor receptor (EGFR). <i>FASEB Journal</i> , <b>2003</b> , 17, 770-2	0.9	142
285	Role of cytochrome P450-dependent transient receptor potential V4 activation in flow-induced vasodilatation. <i>Cardiovascular Research</i> , <b>2008</b> , 80, 445-52	9.9	141
284	Signaling by the angiotensin-converting enzyme. <i>Circulation Research</i> , <b>2006</b> , 98, 887-96	15.7	138
283	Intracellular alkalinization induced by bradykinin sustains activation of the constitutive nitric oxide synthase in endothelial cells. <i>Circulation Research</i> , <b>1994</b> , 74, 1220-6	15.7	138
282	Cytochrome P450 epoxygenases 2C8 and 2C9 are implicated in hypoxia-induced endothelial cell migration and angiogenesis. <i>Journal of Cell Science</i> , <b>2005</b> , 118, 5489-98	5.3	137
281	Regulation and functional consequences of endothelial nitric oxide formation. <i>Annals of Medicine</i> , <b>1995</b> , 27, 331-40	1.5	137
280	11,12-Epoxyeicosatrienoic acid-induced inhibition of FOXO factors promotes endothelial proliferation by down-regulating p27Kip1. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 29619-25	5.4	136
279	The effect of inhibitors of the L-arginine/nitric oxide pathway on endotoxin-induced loss of vascular responsiveness in anaesthetized rats. <i>British Journal of Pharmacology</i> , <b>1991</b> , 103, 1218-24	8.6	130
278	S1PR1 on tumor-associated macrophages promotes lymphangiogenesis and metastasis via NLRP3/IL-1 $\beta$ . <i>Journal of Experimental Medicine</i> , <b>2017</b> , 214, 2695-2713	16.6	127
277	Regulation of endothelium-derived vasoactive autacoid production by hemodynamic forces. <i>Trends in Pharmacological Sciences</i> , <b>2003</b> , 24, 24-9	13.2	123
276	Calcium-dependent and calcium-independent activation of the endothelial NO synthase. <i>Journal of Vascular Research</i> , <b>1997</b> , 34, 165-74	1.9	122
275	20-HETE-induced contraction of small coronary arteries depends on the activation of Rho-kinase. <i>Hypertension</i> , <b>2003</b> , 41, 801-6	8.5	122
274	Inhibition of cytochrome P450 2C9 improves endothelium-dependent, nitric oxide-mediated vasodilatation in patients with coronary artery disease. <i>Circulation</i> , <b>2004</b> , 109, 178-83	16.7	119
273	P2Y $_2$ and Gq/G12 control blood pressure by mediating endothelial mechanotransduction. <i>Journal of Clinical Investigation</i> , <b>2015</b> , 125, 3077-86	15.9	118
272	Cytochrome P450 epoxygenases as EDHF synthase(s). <i>Pharmacological Research</i> , <b>2004</b> , 49, 525-33	10.2	118
271	Dephosphorylation of endothelial nitric oxide synthase contributes to the anti-angiogenic effects of endostatin. <i>FASEB Journal</i> , <b>2002</b> , 16, 706-8	0.9	118
270	Calcium signaling in endothelial cells involves activation of tyrosine kinases and leads to activation of mitogen-activated protein kinases. <i>Circulation Research</i> , <b>1995</b> , 76, 522-9	15.7	117
269	Angiotensin II impairs endothelial function via tyrosine phosphorylation of the endothelial nitric oxide synthase. <i>Journal of Experimental Medicine</i> , <b>2009</b> , 206, 2889-96	16.6	111

268	Analysis of dichlorodihydrofluorescein and dihydrocalcein as probes for the detection of intracellular reactive oxygen species. <i>Free Radical Research</i> , <b>2004</b> , 38, 1257-67	4	111
267	Nifedipine increases cytochrome P450C expression and endothelium-derived hyperpolarizing factor-mediated responses in coronary arteries. <i>Hypertension</i> , <b>2000</b> , 36, 270-5	8.5	111
266	The N-terminal domain of mammalian soluble epoxide hydrolase is a phosphatase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 1552-7	11.5	109
265	Angiotensin-converting enzyme is involved in outside-in signaling in endothelial cells. <i>Circulation Research</i> , <b>2004</b> , 94, 60-7	15.7	108
264	Evidence that an L-arginine/nitric oxide dependent elevation of tissue cyclic GMP content is involved in depression of vascular reactivity by endotoxin. <i>British Journal of Pharmacology</i> , <b>1991</b> , 103, 1047-52	8.6	108
263	Epoxyeicosatrienoic acids, cell signaling and angiogenesis. <i>Prostaglandins and Other Lipid Mediators</i> , <b>2007</b> , 82, 60-7	3.7	107
262	Hypoxic pulmonary vasoconstriction requires connexin 40-mediated endothelial signal conduction. <i>Journal of Clinical Investigation</i> , <b>2012</b> , 122, 4218-30	15.9	107
261	Endothelium-derived epoxyeicosatrienoic acids and vascular function. <i>Hypertension</i> , <b>2006</b> , 47, 629-33	8.5	106
260	Nucleotide excision DNA repair is associated with age-related vascular dysfunction. <i>Circulation</i> , <b>2012</b> , 126, 468-78	16.7	104
259	Pulsatile stretch in coronary arteries elicits release of endothelium-derived hyperpolarizing factor: a modulator of arterial compliance. <i>Circulation Research</i> , <b>1998</b> , 82, 696-703	15.7	103
258	Isometric contraction induces the Ca <sup>2+</sup> -independent activation of the endothelial nitric oxide synthase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1999</b> , 96, 1123-8	11.5	103
257	AT1-receptor blockade by telmisartan upregulates GTP-cyclohydrolase I and protects eNOS in diabetic rats. <i>Free Radical Biology and Medicine</i> , <b>2008</b> , 45, 619-26	7.8	102
256	The pharmacology of the cytochrome P450 epoxygenase/soluble epoxide hydrolase axis in the vasculature and cardiovascular disease. <i>Pharmacological Reviews</i> , <b>2014</b> , 66, 1106-40	22.5	100
255	Cytochrome P450 epoxygenase gene function in hypoxic pulmonary vasoconstriction and pulmonary vascular remodeling. <i>Hypertension</i> , <b>2006</b> , 47, 762-70	8.5	100
254	From endothelium-derived hyperpolarizing factor (EDHF) to angiogenesis: Epoxyeicosatrienoic acids (EETs) and cell signaling <b>2006</b> , 111, 584-95		99
253	Angiotensin-converting enzyme inhibitor ramiprilat interferes with the sequestration of the B2 kinin receptor within the plasma membrane of native endothelial cells. <i>Circulation</i> , <b>1999</b> , 99, 2034-40	16.7	99
252	Vascular gene transfer of phosphomimetic endothelial nitric oxide synthase (S1177D) using ultrasound-enhanced destruction of plasmid-loaded microbubbles improves vasoreactivity. <i>Circulation</i> , <b>2002</b> , 105, 1104-9	16.7	98
251	MicroRNA-223 antagonizes angiogenesis by targeting $\beta$ 1 integrin and preventing growth factor signaling in endothelial cells. <i>Circulation Research</i> , <b>2013</b> , 113, 1320-30	15.7	97

250	Cytochrome P450 2C9 plays an important role in the regulation of exercise-induced skeletal muscle blood flow and oxygen uptake in humans. <i>Journal of Physiology</i> , <b>2003</b> , 546, 307-14	3.9	97
249	Epoxyeicosatrienoic acids and the soluble epoxide hydrolase are determinants of pulmonary artery pressure and the acute hypoxic pulmonary vasoconstrictor response. <i>FASEB Journal</i> , <b>2008</b> , 22, 4306-15	0.9	96
248	Cytochrome P450 2C9-induced endothelial cell proliferation involves induction of mitogen-activated protein (MAP) kinase phosphatase-1, inhibition of the c-Jun N-terminal kinase, and up-regulation of cyclin D1. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 15671-6	5.4	96
247	Dynamic modulation of interendothelial gap junctional communication by 11,12-epoxyeicosatrienoic acid. <i>Circulation Research</i> , <b>2002</b> , 90, 800-6	15.7	94
246	The eNOS signalosome and its link to endothelial dysfunction. <i>Pflugers Archiv European Journal of Physiology</i> , <b>2016</b> , 468, 1125-1137	4.6	94
245	Antisense oligonucleotides against cytochrome P450 2C8 attenuate EDHF-mediated Ca(2+) changes and dilation in isolated resistance arteries. <i>FASEB Journal</i> , <b>2000</b> , 14, 255-60	0.9	92
244	Oxidized low-density lipoprotein increases superoxide production by endothelial nitric oxide synthase by inhibiting PKC $\alpha$ . <i>Cardiovascular Research</i> , <b>2005</b> , 65, 897-906	9.9	90
243	Epoxyeicosatrienoic acids are part of the VEGF-activated signaling cascade leading to angiogenesis. <i>American Journal of Physiology - Cell Physiology</i> , <b>2008</b> , 295, C1292-301	5.4	87
242	Vascular cytochrome p450 enzymes: physiology and pathophysiology. <i>Trends in Cardiovascular Medicine</i> , <b>2008</b> , 18, 20-5	6.9	85
241	The coronary endothelium-derived hyperpolarizing factor (EDHF) stimulates multiple signalling pathways and proliferation in vascular cells. <i>Pflugers Archiv European Journal of Physiology</i> , <b>2001</b> , 442, 511-8	4.6	85
240	Inducible but not constitutive production of nitric oxide by vascular smooth muscle cells. <i>European Journal of Pharmacology</i> , <b>1991</b> , 200, 375-6	5.3	84
239	Platelet sarcoplasmic endoplasmic reticulum Ca <sup>2+</sup> -ATPase and mu-calpain activity are altered in type 2 diabetes mellitus and restored by rosiglitazone. <i>Circulation</i> , <b>2008</b> , 117, 52-60	16.7	83
238	Inhibition of soluble epoxide hydrolase prevents diabetic retinopathy. <i>Nature</i> , <b>2017</b> , 552, 248-252	50.4	82
237	The ADMA/DDAH pathway is a critical regulator of endothelial cell motility. <i>Journal of Cell Science</i> , <b>2007</b> , 120, 929-42	5.3	79
236	AMP-activated protein kinase regulates endothelial cell angiotensin-converting enzyme expression via p53 and the post-transcriptional regulation of microRNA-143/145. <i>Circulation Research</i> , <b>2013</b> , 112, 1150-8	15.7	78
235	Role of Transient Receptor Potential Vanilloid 4 in Neutrophil Activation and Acute Lung Injury. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2016</b> , 54, 370-83	5.7	77
234	Gab1, SHP2, and protein kinase A are crucial for the activation of the endothelial NO synthase by fluid shear stress. <i>Circulation Research</i> , <b>2005</b> , 97, 1236-44	15.7	76
233	Anaphylactic shock depends on endothelial Gq/G11. <i>Journal of Experimental Medicine</i> , <b>2009</b> , 206, 411-20	16.6	75

232	Signaling via the angiotensin-converting enzyme enhances the expression of cyclooxygenase-2 in endothelial cells. <i>Hypertension</i> , <b>2005</b> , 45, 126-32	8.5	75
231	Dicer cleavage by calpain determines platelet microRNA levels and function in diabetes. <i>Circulation Research</i> , <b>2015</b> , 117, 157-65	15.7	74
230	AMP-activated protein kinase (AMPK) regulates the insulin-induced activation of the nitric oxide synthase in human platelets. <i>Thrombosis and Haemostasis</i> , <b>2003</b> , 90, 863-71	7	74
229	Cyclic stretch enhances the expression and activity of coronary endothelium-derived hyperpolarizing factor synthase. <i>Hypertension</i> , <b>2001</b> , 38, 1427-32	8.5	74
228	Valproic acid induces extracellular signal-regulated kinase 1/2 activation and inhibits apoptosis in endothelial cells. <i>Cell Death and Differentiation</i> , <b>2006</b> , 13, 446-53	12.7	73
227	CK2 phosphorylates the angiotensin-converting enzyme and regulates its retention in the endothelial cell plasma membrane. <i>Circulation Research</i> , <b>2002</b> , 91, 749-56	15.7	72
226	Aged spontaneously hypertensive rats exhibit a selective loss of EDHF-mediated relaxation in the renal artery. <i>Hypertension</i> , <b>2003</b> , 42, 562-8	8.5	71
225	Inhibition of endothelial nitric oxide synthase activity by proline-rich tyrosine kinase 2 in response to fluid shear stress and insulin. <i>Circulation Research</i> , <b>2008</b> , 102, 1520-8	15.7	69
224	Metabolism pathways of arachidonic acids: mechanisms and potential therapeutic targets. <i>Signal Transduction and Targeted Therapy</i> , <b>2021</b> , 6, 94	21	68
223	Bobbing along on the crest of a wave: NO ascends hamster cheek pouch arterioles. <i>Circulation Research</i> , <b>2003</b> , 93, 9-11	15.7	67
222	Cytochrome P450C9-derived epoxyeicosatrienoic acids induce the expression of cyclooxygenase-2 in endothelial cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2005</b> , 25, 321-6	9.4	66
221	Hypoxia-induced pulmonary hypertension: comparison of soluble epoxide hydrolase deletion vs. inhibition. <i>Cardiovascular Research</i> , <b>2010</b> , 85, 232-40	9.9	64
220	Insulin enhances the expression of the endothelial nitric oxide synthase in native endothelial cells: a dual role for Akt and AP-1. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2003</b> , 8, 253-61	5	64
219	Monoamine oxidases are mediators of endothelial dysfunction in the mouse aorta. <i>Hypertension</i> , <b>2013</b> , 62, 140-6	8.5	63
218	Amlodipine activates the endothelial nitric oxide synthase by altering phosphorylation on Ser1177 and Thr495. <i>Cardiovascular Research</i> , <b>2003</b> , 59, 844-53	9.9	63
217	Lipocalin 2 from macrophages stimulated by tumor cell-derived sphingosine 1-phosphate promotes lymphangiogenesis and tumor metastasis. <i>Science Signaling</i> , <b>2016</b> , 9, ra64	8.8	60
216	Fluid shear stress and NO decrease the activity of the hydroxy-methylglutaryl coenzyme A reductase in endothelial cells via the AMP-activated protein kinase and FoxO1. <i>Circulation Research</i> , <b>2007</b> , 100, e12-21	15.7	60
215	Insulin induces the release of vasodilator compounds from platelets by a nitric oxide-G kinase-VAMP-3-dependent pathway. <i>Journal of Experimental Medicine</i> , <b>2004</b> , 199, 347-56	16.6	60

214	Nitric oxide-induced activation of the AMP-activated protein kinase $\alpha$ subunit attenuates $\text{I}\beta$ kinase activity and inflammatory responses in endothelial cells. <i>PLoS ONE</i> , <b>2011</b> , 6, e20848	3.7	60
213	Cystathionine $\gamma$ -lyase Sulphydrates the RNA Binding Protein Human Antigen R to Preserve Endothelial Cell Function and Delay Atherogenesis. <i>Circulation</i> , <b>2019</b> , 139, 101-114	16.7	59
212	Müller glia cells regulate Notch signaling and retinal angiogenesis via the generation of 19,20-dihydroxydocosapentaenoic acid. <i>Journal of Experimental Medicine</i> , <b>2014</b> , 211, 281-95	16.6	59
211	Bradykinin-induced relaxation of coronary microarteries: S-nitrosothiols as EDHF?. <i>British Journal of Pharmacology</i> , <b>2004</b> , 142, 125-35	8.6	59
210	Shear stress-induced endothelial adrenomedullin signaling regulates vascular tone and blood pressure. <i>Journal of Clinical Investigation</i> , <b>2019</b> , 129, 2775-2791	15.9	59
209	Interdependence of calcium signaling and protein tyrosine phosphorylation in human endothelial cells. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 11009-15	5.4	57
208	Soluble epoxide hydrolase regulates hematopoietic progenitor cell function via generation of fatty acid diols. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 9995-10000	11.5	56
207	DiscrEET regulators of homeostasis: epoxyeicosatrienoic acids, cytochrome P450 epoxygenases and vascular inflammation. <i>Trends in Pharmacological Sciences</i> , <b>2007</b> , 28, 448-52	13.2	55
206	Hypoxia Potentiates Palmitate-induced Pro-inflammatory Activation of Primary Human Macrophages. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 413-24	5.4	54
205	Macrophages programmed by apoptotic cells promote angiogenesis via prostaglandin E2. <i>FASEB Journal</i> , <b>2011</b> , 25, 2408-17	0.9	54
204	Interactions between thromboxane A <sub>2</sub> /thromboxane/prostaglandin (TP) receptors, and endothelium-derived hyperpolarization. <i>Cardiovascular Research</i> , <b>2014</b> , 102, 9-16	9.9	52
203	Soluble epoxide hydrolase deficiency attenuates neointima formation in the femoral cuff model of hyperlipidemic mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2010</b> , 30, 909-14	9.4	51
202	Mechanisms of increased vascular superoxide production in an experimental model of idiopathic dilated cardiomyopathy. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2005</b> , 25, 2554-9	9.4	51
201	Inhibition of the production of endothelium-derived hyperpolarizing factor by cannabinoid receptor agonists. <i>British Journal of Pharmacology</i> , <b>1999</b> , 126, 949-60	8.6	51
200	EGFL7 ligates $\alpha$ 3 $\beta$ 1 integrin to enhance vessel formation. <i>Blood</i> , <b>2013</b> , 121, 3041-50	2.2	50
199	Inhibition of the soluble epoxide hydrolase attenuates monocrotaline-induced pulmonary hypertension in rats. <i>Journal of Hypertension</i> , <b>2009</b> , 27, 322-31	1.9	50
198	Shear stress-induced activation of the AMP-activated protein kinase regulates FoxO1a and angiotensin-2 in endothelial cells. <i>Cardiovascular Research</i> , <b>2008</b> , 77, 160-8	9.9	50
197	The tissue renin-angiotensin system and intracellular signalling. <i>Current Opinion in Nephrology and Hypertension</i> , <b>2006</b> , 15, 8-13	3.5	47



196	Role of secreted modular calcium-binding protein 1 (SMOC1) in transforming growth factor $\beta$ signalling and angiogenesis. <i>Cardiovascular Research</i> , <b>2015</b> , 106, 284-94	9.9	45
195	Calpain inhibition stabilizes the platelet proteome and reactivity in diabetes. <i>Blood</i> , <b>2012</b> , 120, 415-23	2.2	44
194	Leptin potentiates endothelium-dependent relaxation by inducing endothelial expression of neuronal NO synthase. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2012</b> , 32, 1605-12	9.4	44
193	Coronary Revascularization During Heart Regeneration Is Regulated by Epicardial and Endocardial Cues and Forms a Scaffold for Cardiomyocyte Repopulation. <i>Developmental Cell</i> , <b>2019</b> , 51, 503-515.e4	10.2	43
192	miR-223-IGF-IR signalling in hypoxia- and load-induced right-ventricular failure: a novel therapeutic approach. <i>Cardiovascular Research</i> , <b>2016</b> , 111, 184-93	9.9	42
191	The biological actions of 11,12-epoxyeicosatrienoic acid in endothelial cells are specific to the R/S-enantiomer and require the G(s) protein. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2014</b> , 350, 14-21	4.7	42
190	Pleiotropic effects of laminar flow and statins depend on the Krüppel-like factor-induced lncRNA MANTIS. <i>European Heart Journal</i> , <b>2019</b> , 40, 2523-2533	9.5	41
189	NADPH oxidase accounts for enhanced superoxide production and impaired endothelium-dependent smooth muscle relaxation in BKbeta1-/- mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2006</b> , 26, 1753-9	9.4	41
188	A selective and sensitive method for quantification of endogenous polysulfide production in biological samples. <i>Redox Biology</i> , <b>2018</b> , 18, 295-304	11.3	40
187	Adipocyte-derived lipids increase angiotensin-converting enzyme (ACE) expression and modulate macrophage phenotype. <i>Basic Research in Cardiology</i> , <b>2011</b> , 106, 205-15	11.8	40
186	Soluble epoxide hydrolase limits mechanical hyperalgesia during inflammation. <i>Molecular Pain</i> , <b>2011</b> , 7, 78	3.4	40
185	Angiotensin-converting enzyme (ACE) dimerization is the initial step in the ACE inhibitor-induced ACE signaling cascade in endothelial cells. <i>Molecular Pharmacology</i> , <b>2006</b> , 69, 1725-32	4.3	40
184	Unchanged NADPH Oxidase Activity in Nox1-Nox2-Nox4 Triple Knockout Mice: What Do NADPH-Stimulated Chemiluminescence Assays Really Detect?. <i>Antioxidants and Redox Signaling</i> , <b>2016</b> , 24, 392-9	8.4	39
183	AMPK $\beta$ subunit is involved in platelet signaling, clot retraction, and thrombus stability. <i>Blood</i> , <b>2010</b> , 116, 2134-40	2.2	39
182	Cytochrome P450 epoxygenases and vascular tone: novel role for HMG-CoA reductase inhibitors in the regulation of CYP 2C expression. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2003</b> , 1619, 332-9	4	39
181	Paracrine functions of the coronary vascular endothelium. <i>Molecular and Cellular Biochemistry</i> , <b>1996</b> , 157, 137-45	4.2	39
180	Role of cytochrome P450 2C epoxygenases in hypoxia-induced cell migration and angiogenesis in retinal endothelial cells. <i>Investigative Ophthalmology and Visual Science</i> , <b>2008</b> , 49, 1242-7		38
179	Cytochrome P450 2C9 is involved in flow-dependent vasodilation of peripheral conduit arteries in healthy subjects and in patients with chronic heart failure. <i>European Journal of Heart Failure</i> , <b>2007</b> , 9, 770-5	12.3	38

178	The synthesis of 20-HETE in small porcine coronary arteries antagonizes EDHF-mediated relaxation. <i>Cardiovascular Research</i> , <b>2005</b> , 65, 487-94	9.9	38
177	Chronic selective hypertriglyceridemia impairs endothelium-dependent vasodilatation in rats. <i>Cardiovascular Research</i> , <b>1999</b> , 42, 783-93	9.9	38
176	Electrophilic fatty acid species inhibit 5-lipoxygenase and attenuate sepsis-induced pulmonary inflammation. <i>Antioxidants and Redox Signaling</i> , <b>2014</b> , 20, 2667-80	8.4	37
175	5-Lipoxygenase is a candidate target for therapeutic management of stem cell-like cells in acute myeloid leukemia. <i>Cancer Research</i> , <b>2014</b> , 74, 5244-55	10.1	37
174	Characterization of the endothelium-derived hyperpolarizing factor (EDHF) response in the human interlobar artery. <i>Kidney International</i> , <b>2003</b> , 63, 1749-55	9.9	37
173	From basic mechanisms to clinical applications in heart protection, new players in cardiovascular diseases and cardiac theranostics: meeting report from the third international symposium on "New frontiers in cardiovascular research". <i>Basic Research in Cardiology</i> , <b>2016</b> , 111, 69	11.8	36
172	The factor in EDHF: Cytochrome P450 derived lipid mediators and vascular signaling. <i>Vascular Pharmacology</i> , <b>2016</b> , 86, 31-40	5.9	36
171	Cytochrome P450-derived epoxyeicosatrienoic acids and pulmonary hypertension: central role of transient receptor potential C6 channels. <i>Journal of Cardiovascular Pharmacology</i> , <b>2011</b> , 57, 140-7	3.1	36
170	Baseline blood flow and bradykinin-induced vasodilator responses in the human forearm are insensitive to the cytochrome P450 2C9 (CYP2C9) inhibitor sulphaphenazole. <i>Clinical Science</i> , <b>2003</b> , 105, 513-8	6.5	36
169	New FAcEs to the renin-angiotensin system. <i>Physiology</i> , <b>2005</b> , 20, 91-5	9.8	36
168	Prevention of endothelial dysfunction in heart failure by vitamin E: attenuation of vascular superoxide anion formation and increase in soluble guanylyl cyclase expression. <i>Cardiovascular Research</i> , <b>2001</b> , 51, 344-50	9.9	36
167	Single cell sequencing reveals endothelial plasticity with transient mesenchymal activation after myocardial infarction. <i>Nature Communications</i> , <b>2021</b> , 12, 681	17.4	36
166	Endothelium-derived kinins account for the immediate response of endothelial cells to bacterial lipopolysaccharide. <i>Journal of Cardiovascular Pharmacology</i> , <b>1992</b> , 20 Suppl 12, S135-8	3.1	35
165	cAMP phosphodiesterase inhibitors increases nitric oxide production by modulating dimethylarginine dimethylaminohydrolases. <i>Circulation</i> , <b>2011</b> , 123, 1194-204	16.7	34
164	Cytochrome P4502S1: a novel monocyte/macrophage fatty acid epoxygenase in human atherosclerotic plaques. <i>Basic Research in Cardiology</i> , <b>2013</b> , 108, 319	11.8	33
163	Transforming growth factor- $\beta$ -activated kinase 1 regulates angiogenesis via AMP-activated protein kinase- $\beta$ and redox balance in endothelial cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2013</b> , 33, 2792-9	9.4	33
162	The S1P(2) receptor expressed in human platelets is linked to the RhoA-Rho kinase pathway and is down regulated in type 2 diabetes. <i>Basic Research in Cardiology</i> , <b>2009</b> , 104, 333-40	11.8	33
161	Tyrosine phosphorylation and bradykinin-induced signaling in endothelial cells. <i>American Journal of Cardiology</i> , <b>1997</b> , 80, 102A-109A	3	32

160	Hyperthyroidism enhances endothelium-dependent relaxation in the rat renal artery. <i>Cardiovascular Research</i> , <b>2003</b> , 59, 181-8	9.9	32
159	Cytochrome P450 enzymes but not NADPH oxidases are the source of the NADPH-dependent lucigenin chemiluminescence in membrane assays. <i>Free Radical Biology and Medicine</i> , <b>2017</b> , 102, 57-66	7.8	31
158	HIF-2alpha-dependent PAI-1 induction contributes to angiogenesis in hepatocellular carcinoma. <i>Experimental Cell Research</i> , <b>2015</b> , 331, 46-57	4.2	31
157	The cytochrome P450 pathway in angiogenesis and endothelial cell biology. <i>Cancer and Metastasis Reviews</i> , <b>2011</b> , 30, 541-55	9.6	31
156	Pro-inflammatory obesity in aged cannabinoid-2 receptor-deficient mice. <i>International Journal of Obesity</i> , <b>2016</b> , 40, 366-79	5.5	30
155	Deleted in malignant brain tumors 1 is present in the vascular extracellular matrix and promotes angiogenesis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2012</b> , 32, 442-8	9.4	30
154	Endothelium-Derived Bradykinin. <i>Journal of Cardiovascular Pharmacology</i> , <b>1993</b> , 22, S31-S36	3.1	30
153	The endothelial organ. <i>Current Opinion in Cardiology</i> , <b>1993</b> , 8, 719-727	2.1	30
152	Mena/VASP and $\beta$ -Spectrin complexes regulate cytoplasmic actin networks in cardiomyocytes and protect from conduction abnormalities and dilated cardiomyopathy. <i>Cell Communication and Signaling</i> , <b>2013</b> , 11, 56	7.5	29
151	Cytochrome P450 2C9-induced angiogenesis is dependent on EphB4. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2008</b> , 28, 1123-9	9.4	29
150	Impaired interaction of platelets with endothelial progenitor cells in patients with cardiovascular risk factors. <i>Basic Research in Cardiology</i> , <b>2008</b> , 103, 572-81	11.8	29
149	The extracellular regulated kinases (ERK) 1/2 mediate cannabinoid-induced inhibition of gap junctional communication in endothelial cells. <i>British Journal of Pharmacology</i> , <b>2002</b> , 136, 709-16	8.6	29
148	EDHF: a cytochrome P450 metabolite in coronary arteries. <i>Seminars in Perinatology</i> , <b>2000</b> , 24, 15-9	3.3	29
147	Calcium signalling and autacoid production in endothelial cells are modulated by changes in tyrosine kinase and phosphatase activity. <i>Journal of Vascular Research</i> , <b>1996</b> , 33, 225-34	1.9	29
146	Adipocyte Piezo1 mediates obesogenic adipogenesis through the FGF1/FGFR1 signaling pathway in mice. <i>Nature Communications</i> , <b>2020</b> , 11, 2303	17.4	28
145	Angiotensin-converting enzyme (ACE) inhibitors modulate cellular retinol-binding protein 1 and adiponectin expression in adipocytes via the ACE-dependent signaling cascade. <i>Molecular Pharmacology</i> , <b>2009</b> , 75, 685-92	4.3	28
144	Activation of the L-Arginine-Nitric Oxide Pathway Is Involved in Vascular Hyporeactivity Induced by Endotoxin. <i>Journal of Cardiovascular Pharmacology</i> , <b>1991</b> , 17, S207-S212	3.1	28
143	An L-arginine-derived factor mediates endotoxin-induced vascular hyposensitivity to calcium. <i>European Journal of Pharmacology</i> , <b>1990</b> , 191, 89-92	5.3	28

142	The NADPH oxidizers NoxO1 and p47phox are both mediators of diabetes-induced vascular dysfunction in mice. <i>Redox Biology</i> , <b>2018</b> , 15, 12-21	11.3	28
141	Calpain 1 cleaves and inactivates prostacyclin synthase in mesenteric arteries from diabetic mice. <i>Basic Research in Cardiology</i> , <b>2017</b> , 112, 10	11.8	27
140	β-Catenin Is Required for Endothelial Cyp1b1 Regulation Influencing Metabolic Barrier Function. <i>Journal of Neuroscience</i> , <b>2016</b> , 36, 8921-35	6.6	27
139	AMP-Activated Protein Kinase α in Neutrophils Regulates Vascular Repair via Hypoxia-Inducible Factor-1β and a Network of Proteins Affecting Metabolism and Apoptosis. <i>Circulation Research</i> , <b>2017</b> , 120, 99-109	15.7	27
138	The F-BAR protein NOSTRIN participates in FGF signal transduction and vascular development. <i>EMBO Journal</i> , <b>2012</b> , 31, 3309-22	13	27
137	Cytochrome P450 2C expression and EDHF-mediated relaxation in porcine coronary arteries is increased by cortisol. <i>Cardiovascular Research</i> , <b>2002</b> , 54, 669-75	9.9	27
136	Oxidized phospholipids regulate amino acid metabolism through MTHFD2 to facilitate nucleotide release in endothelial cells. <i>Nature Communications</i> , <b>2018</b> , 9, 2292	17.4	26
135	11,12-EET stimulates the association of BK channel β and γ1 subunits in mitochondria to induce pulmonary vasoconstriction. <i>PLoS ONE</i> , <b>2012</b> , 7, e46065	3.7	25
134	Nitric oxide maintains endothelial redox homeostasis through PKM2 inhibition. <i>EMBO Journal</i> , <b>2019</b> , 38, e100938	13	24
133	Epigenetic Regulation of Angiogenesis by JARID1B-Induced Repression of HOXA5. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2015</b> , 35, 1645-52	9.4	24
132	Ca <sup>2+</sup> -sensing receptor cleavage by calpain partially accounts for altered vascular reactivity in mice fed a high-fat diet. <i>Journal of Cardiovascular Pharmacology</i> , <b>2013</b> , 61, 528-35	3.1	24
131	Cytochrome P450-dependent eicosanoid production and crosstalk. <i>Current Opinion in Lipidology</i> , <b>2011</b> , 22, 403-9	4.4	24
130	Cytochrome P450-derived epoxyeicosatrienoic acids accelerate wound epithelialization and neovascularization in the hairless mouse ear wound model. <i>Langenbeck's Archives of Surgery</i> , <b>2011</b> , 396, 1245-53	3.4	24
129	Inhibition of the soluble epoxide hydrolase by tyrosine nitration. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 28156-28163	5.4	24
128	CYP4A11 polymorphism correlates with coronary endothelial dysfunction in patients with coronary artery disease—the ENCORE Trials. <i>Atherosclerosis</i> , <b>2009</b> , 207, 476-9	3.1	24
127	The effects of COX-2 selective and non-selective NSAIDs on the initiation and progression of atherosclerosis in ApoE <sup>-/-</sup> mice. <i>Journal of Molecular Medicine</i> , <b>2007</b> , 85, 623-33	5.5	23
126	Control and consequences of endothelial nitric oxide formation. <i>Advances in Pharmacology</i> , <b>1995</b> , 34, 187-206	5.7	23
125	Cardiovascular phenotype of mice lacking 3-mercaptopyruvate sulfurtransferase. <i>Biochemical Pharmacology</i> , <b>2020</b> , 176, 113833	6	23

124	Differential effects of EPA versus DHA on postprandial vascular function and the plasma oxylin profile in men. <i>Journal of Lipid Research</i> , <b>2016</b> , 57, 1720-7	6.3	23
123	Stable Oxidative Cytosine Modifications Accumulate in Cardiac Mesenchymal Cells From Type2 Diabetes Patients: Rescue by Ketoglutarate and TET-TDG Functional Reactivation. <i>Circulation Research</i> , <b>2018</b> , 122, 31-46	15.7	23
122	Signaling via the angiotensin-converting enzyme results in the phosphorylation of the nonmuscle myosin heavy chain IIA. <i>Molecular Pharmacology</i> , <b>2006</b> , 69, 19-26	4.3	22
121	The Na-K-ATPase is a target for an EDHF displaying characteristics similar to potassium ions in the porcine renal interlobar artery. <i>British Journal of Pharmacology</i> , <b>2002</b> , 137, 647-54	8.6	22
120	Cytochrome P450 2C is an EDHF synthase in coronary arteries. <i>Trends in Cardiovascular Medicine</i> , <b>2000</b> , 10, 166-70	6.9	22
119	Nitroglycerine limits infarct size through S-nitrosation of cyclophilin D: a novel mechanism for an old drug. <i>Cardiovascular Research</i> , <b>2019</b> , 115, 625-636	9.9	22
118	Soluble epoxide hydrolase disruption as therapeutic target for wound healing. <i>Journal of Surgical Research</i> , <b>2013</b> , 182, 362-7	2.5	21
117	Adenoviral-mediated overexpression of DDAH improves vascular tone regulation. <i>Vascular Medicine</i> , <b>2010</b> , 15, 205-13	3.3	21
116	Increased cerebrospinal fluid calpain activity and microparticle levels in Alzheimer's disease. <i>Alzheimer's and Dementia</i> , <b>2015</b> , 11, 465-74	1.2	20
115	Cytochrome P-450 under pressure: more evidence for a link between 20-hydroxyeicosatetraenoic acid and hypertension. <i>Circulation</i> , <b>2005</b> , 111, 5-7	16.7	20
114	Effect of endotoxin on circulating cyclic GMP in the rat. <i>European Journal of Pharmacology</i> , <b>1992</b> , 212, 93-6	5.3	20
113	Methylglyoxal induces platelet hyperaggregation and reduces thrombus stability by activating PKC and inhibiting PI3K/Akt pathway. <i>PLoS ONE</i> , <b>2013</b> , 8, e74401	3.7	20
112	Mapping the Endothelial Cell -Sulphydrome Highlights the Crucial Role of Integrin Sulphydration in Vascular Function. <i>Circulation</i> , <b>2021</b> , 143, 935-948	16.7	20
111	Increased cytochrome P4502E1 expression and altered hydroxyeicosatetraenoic acid formation mediate diabetic vascular dysfunction: rescue by guanylyl-cyclase activation. <i>Diabetes</i> , <b>2010</b> , 59, 2001-9	0.9	19
110	Nitric oxide inhibits glomerular TGF-beta signaling via SMOC-1. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2009</b> , 20, 1963-74	12.7	19
109	aPKC controls endothelial growth by modulating c-Myc via FoxO1 DNA-binding ability. <i>Nature Communications</i> , <b>2018</b> , 9, 5357	17.4	19
108	Shear stress regulates cystathionine lyase expression to preserve endothelial redox balance and reduce membrane lipid peroxidation. <i>Redox Biology</i> , <b>2020</b> , 28, 101379	11.3	18
107	VE-PTP inhibition elicits eNOS phosphorylation to blunt endothelial dysfunction and hypertension in diabetes. <i>Cardiovascular Research</i> , <b>2021</b> , 117, 1546-1556	9.9	18

106	Alterations of the platelet proteome in type I Glanzmann thrombasthenia caused by different homozygous delG frameshift mutations in ITGA2B. <i>Thrombosis and Haemostasis</i> , <b>2017</b> , 117, 556-569	7	17
105	Nitric oxide and endothelium-derived hyperpolarizing factor: formation and interactions. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , <b>1997</b> , 57, 439-46	2.8	17
104	Nitric oxide- and EDHF-mediated arteriolar tone in uremia is unaffected by selective inhibition of vascular cytochrome P450 2C9. <i>Kidney International</i> , <b>2005</b> , 67, 1907-12	9.9	17
103	Tyrosine phosphorylation of eNOS regulates myocardial survival after an ischaemic insult: role of PYK2. <i>Cardiovascular Research</i> , <b>2017</b> , 113, 926-937	9.9	17
102	Polarization of Human Macrophages by Interleukin-4 Does Not Require ATP-Citrate Lyase. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 2858	8.4	17
101	VASP regulates leukocyte infiltration, polarization, and vascular repair after ischemia. <i>Journal of Cell Biology</i> , <b>2018</b> , 217, 1503-1519	7.3	16
100	Metformin reduces hyper-reactivity of platelets from patients with polycystic ovary syndrome by improving mitochondrial integrity. <i>Thrombosis and Haemostasis</i> , <b>2015</b> , 114, 569-78	7	16
99	Whatever happened to the epoxyeicosatrienoic Acid-like endothelium-derived hyperpolarizing factor? The identification of novel classes of lipid mediators and their role in vascular homeostasis. <i>Antioxidants and Redox Signaling</i> , <b>2015</b> , 22, 1273-92	8.4	16
98	Stereological characterization of left ventricular cardiomyocytes, capillaries, and innervation in the nondiabetic, obese mouse. <i>Cardiovascular Pathology</i> , <b>2012</b> , 21, 346-54	3.8	16
97	Epoxyeicosatrienoic acids affect electrolyte transport in renal tubular epithelial cells: dependence on cyclooxygenase and cell polarity. <i>American Journal of Physiology - Renal Physiology</i> , <b>2007</b> , 293, F288-98	4.3	16
96	Regulation of NO synthesis in endothelial cells. <i>Kidney and Blood Pressure Research</i> , <b>1998</b> , 21, 264-6	3.1	16
95	Nitric oxide, nitric oxide synthase, and hypertensive vascular disease. <i>Current Hypertension Reports</i> , <b>1999</b> , 1, 88-95	4.7	16
94	Angiopoietin-2 mediates thrombin-induced monocyte adhesion and endothelial permeability. <i>Journal of Thrombosis and Haemostasis</i> , <b>2016</b> , 14, 1655-67	15.4	16
93	Hydrogen Sulfide Preserves Endothelial Nitric Oxide Synthase Function by Inhibiting Proline-Rich Kinase 2: Implications for Cardiomyocyte Survival and Cardioprotection. <i>Molecular Pharmacology</i> , <b>2017</b> , 92, 718-730	4.3	15
92	Platelet function and signaling in diabetes mellitus. <i>Current Vascular Pharmacology</i> , <b>2012</b> , 10, 532-8	3.3	15
91	Soluble epoxide hydrolase promotes astrocyte survival in retinopathy of prematurity. <i>Journal of Clinical Investigation</i> , <b>2019</b> , 129, 5204-5218	15.9	14
90	Endothelial AMP-Activated Kinase $\beta$ Phosphorylates eNOS on Thr495 and Decreases Endothelial NO Formation. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	14
89	Phosphorylation of vasodilator-stimulated phosphoprotein contributes to myocardial ischemic preconditioning. <i>Basic Research in Cardiology</i> , <b>2018</b> , 113, 11	11.8	13

88	Role of the angiotensin-converting enzyme in the G-CSF-induced mobilization of progenitor cells. <i>Basic Research in Cardiology</i> , <b>2018</b> , 113, 18	11.8	13
87	All cut up! The consequences of calpain activation on platelet function. <i>Vascular Pharmacology</i> , <b>2012</b> , 56, 210-5	5.9	13
86	Myoendothelial gap junctions: the gap is there, but does EDHF go through it?. <i>Circulation Research</i> , <b>2000</b> , 86, 249-50	15.7	13
85	Angiogenesis and vascular stability in eicosanoids and cancer. <i>Cancer and Metastasis Reviews</i> , <b>2018</b> , 37, 425-438	9.6	13
84	HIF-2 $\alpha$ attenuates lymphangiogenesis by up-regulating IGFBP1 in hepatocellular carcinoma. <i>Biology of the Cell</i> , <b>2015</b> , 107, 175-88	3.5	12
83	Redox Control of Renal Metabolism and Transport Function by the NADPH Oxidase Nox4. <i>Free Radical Biology and Medicine</i> , <b>2017</b> , 112, 174	7.8	12
82	Molecular pharmacological profile of a novel thiazolinone-based direct and selective 5-lipoxygenase inhibitor. <i>British Journal of Pharmacology</i> , <b>2012</b> , 165, 2304-13	8.6	12
81	Complementary screening techniques yielded fragments that inhibit the phosphatase activity of soluble epoxide hydrolase. <i>ChemMedChem</i> , <b>2011</b> , 6, 2146-9	3.7	12
80	The role of calpain in diabetes-associated platelet hyperactivation. <i>Advances in Pharmacology</i> , <b>2010</b> , 59, 235-57	5.7	12
79	Endothelium-derived hyperpolarizing factor, but not nitric oxide, is reversibly inhibited by brefeldin A. <i>Hypertension</i> , <b>1997</b> , 30, 1598-605	8.5	12
78	Role of cytochrome P450-derived, polyunsaturated fatty acid mediators in diabetes and the metabolic syndrome. <i>Prostaglandins and Other Lipid Mediators</i> , <b>2020</b> , 148, 106407	3.7	12
77	The soluble epoxide hydrolase determines cholesterol homeostasis by regulating AMPK and SREBP activity. <i>Prostaglandins and Other Lipid Mediators</i> , <b>2016</b> , 125, 30-9	3.7	12
76	Platelet-Enriched MicroRNAs and Cardiovascular Homeostasis. <i>Antioxidants and Redox Signaling</i> , <b>2018</b> , 29, 902-921	8.4	12
75	Extracellular RNA released due to shear stress controls natural bypass growth by mediating mechanotransduction in mice. <i>Blood</i> , <b>2019</b> , 134, 1469-1479	2.2	11
74	The F-BAR Protein NOSTRIN Dictates the Localization of the Muscarinic M3 Receptor and Regulates Cardiovascular Function. <i>Circulation Research</i> , <b>2015</b> , 117, 460-9	15.7	11
73	The number of cardiac myocytes in the hypertrophic and hypotrophic left ventricle of the obese and calorie-restricted mouse heart. <i>Journal of Anatomy</i> , <b>2014</b> , 225, 539-47	2.9	11
72	Thrombin receptor expression is increased by angiotensin II in cultured and native vascular smooth muscle cells. <i>Cardiovascular Research</i> , <b>1998</b> , 38, 263-71	9.9	11
71	Increased susceptibility of human endothelial cells to infections by SARS-CoV-2 variants. <i>Basic Research in Cardiology</i> , <b>2021</b> , 116, 42	11.8	11

70	AKAP12 deficiency impairs VEGF-induced endothelial cell migration and sprouting. <i>Acta Physiologica</i> , <b>2020</b> , 228, e13325	5.6	11
69	Role of Müller cell cytochrome P450 2c44 in murine retinal angiogenesis. <i>Prostaglandins and Other Lipid Mediators</i> , <b>2017</b> , 133, 93-102	3.7	10
68	Zeb1-Hdac2-eNOS circuitry identifies early cardiovascular precursors in naive mouse embryonic stem cells. <i>Nature Communications</i> , <b>2018</b> , 9, 1281	17.4	10
67	Mitochondrial fragmentation in human macrophages attenuates palmitate-induced inflammatory responses. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2018</b> , 1863, 433-446	5	10
66	Vascular cytochrome P450 in the regulation of renal function and vascular tone: EDHF, superoxide anions and blood pressure. <i>Nephrology Dialysis Transplantation</i> , <b>2001</b> , 16, 1309-11	4.3	10
65	Epigenetic control of the angiotensin-converting enzyme in endothelial cells during inflammation. <i>PLoS ONE</i> , <b>2019</b> , 14, e0216218	3.7	9
64	Cellular stress induces erythrocyte assembly on intravascular von Willebrand factor strings and promotes microangiopathy. <i>Scientific Reports</i> , <b>2018</b> , 8, 10945	4.9	9
63	A Modified Aortic Ring Assay to Assess Angiogenic Potential In Vitro. <i>Methods in Molecular Biology</i> , <b>2016</b> , 1430, 205-19	1.4	9
62	Anomalous K <sup>+</sup> channel activity in human malignant hyperthermia syndrome unmasks a key role for H <sup>+</sup> S and persulfidation in skeletal muscle. <i>British Journal of Pharmacology</i> , <b>2020</b> , 177, 810-823	8.6	9
61	Endothelial nitric oxide synthase (eNOS) in platelets: how is it regulated and what is it doing there?. <i>Pharmacological Reports</i> , <b>2005</b> , 57 Suppl, 59-65	3.9	9
60	Regulation of calpain 2 expression by miR-223 and miR-145. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , <b>2019</b> , 1862, 194438	6	8
59	Pathophysiology of Chronic Venous Insufficiency. <i>Phlebology</i> , <b>1996</b> , 11, 16-22	2	8
58	EVL regulates VEGF receptor-2 internalization and signaling in developmental angiogenesis. <i>EMBO Reports</i> , <b>2021</b> , 22, e48961	6.5	8
57	The role of eNOS on the compensatory regulation of vascular tonus by HS in mouse carotid arteries. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2017</b> , 69, 45-50	5	7
56	Effects of soluble CPE on glioma cell migration are associated with mTOR activation and enhanced glucose flux. <i>Oncotarget</i> , <b>2017</b> , 8, 67567-67591	3.3	7
55	Myeloid-Specific Deletion of the AMPK $\alpha$ Subunit Alters Monocyte Protein Expression and Atherogenesis. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	7
54	New Lipid Mediators in Retinal Angiogenesis and Retinopathy. <i>Frontiers in Pharmacology</i> , <b>2019</b> , 10, 739	5.6	7
53	Cirrhosis serum induces a nitric oxide-associated vascular hyporeactivity of aortic segments from healthy rats in vitro. <i>European Journal of Gastroenterology and Hepatology</i> , <b>2001</b> , 13, 957-62	2.2	7



52	Association between arginase-containing platelet-derived microparticles and altered plasma arginine metabolism in polycystic ovary syndrome. <i>Metabolism: Clinical and Experimental</i> , <b>2019</b> , 90, 16-19 <sup>12.7</sup>	7
51	Platelet communication with the vascular wall: role of platelet-derived microparticles and non-coding RNAs. <i>Clinical Science</i> , <b>2018</b> , 132, 1875-1888	6.5 7
50	Activation of adenosine-monophosphate-activated protein kinase abolishes desflurane-induced preconditioning against myocardial infarction in vivo. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , <b>2011</b> , 25, 66-71	2.1 6
49	Biology of Nitric Oxide Synthases <b>2008</b> , 56-80	6
48	Renal cell carcinoma alters endothelial receptor expression responsible for leukocyte adhesion. <i>Oncotarget</i> , <b>2016</b> , 7, 20410-24	3.3 6
47	Cyp2c44 regulates prostaglandin synthesis, lymphangiogenesis, and metastasis in a mouse model of breast cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 5923-5930	11.5 5
46	Realizing its potential: the intermediate conductance Ca <sup>2+</sup> -activated K <sup>+</sup> channel (KCa3.1) and the regulation of blood pressure. <i>Circulation Research</i> , <b>2006</b> , 99, 462-4	15.7 5
45	G-protein-coupled receptor P2Y <sub>10</sub> facilitates chemokine-induced CD4 T cell migration through autocrine/paracrine mediators. <i>Nature Communications</i> , <b>2021</b> , 12, 6798	17.4 5
44	Kinin-mediated activation of endothelial no formation: possible role during myocardial ischemia. <i>Agents and Actions Supplements</i> , <b>1995</b> , 45, 119-27	0.2 5
43	Platelet-derived calpain cleaves the endothelial protease-activated receptor 1 to induce vascular inflammation in diabetes. <i>Basic Research in Cardiology</i> , <b>2020</b> , 115, 75	11.8 5
42	ADAR1 Is Required for Dendritic Cell Subset Homeostasis and Alveolar Macrophage Function. <i>Journal of Immunology</i> , <b>2019</b> , 202, 1099-1111	5.3 5
41	Secreted modular calcium-binding protein 1 binds and activates thrombin to account for platelet hyperreactivity in diabetes. <i>Blood</i> , <b>2021</b> , 137, 1641-1651	2.2 5
40	IL27R $\beta$ Deficiency Alters Endothelial Cell Function and Subverts Tumor Angiogenesis in Mammary Carcinoma. <i>Frontiers in Oncology</i> , <b>2019</b> , 9, 1022	5.3 4
39	The Physiology of Nitric Oxide: Control and Consequences. <i>Current Medicinal Chemistry Anti-inflammatory &amp; Anti-allergy Agents</i> , <b>2004</b> , 3, 189-205	4
38	Endothelium-Derived Hyperpolarizing Factor and Its Interaction with NO <b>2000</b> , 569-583	4
37	Protective effect of Soluble Epoxide Hydrolase Inhibition in Retinal Vasculopathy associated with Polycystic Kidney Disease. <i>Theranostics</i> , <b>2020</b> , 10, 7857-7871	12.1 4
36	Redox Regulation of Calpains: Consequences on Vascular Function. <i>Antioxidants and Redox Signaling</i> , <b>2019</b> , 30, 1011-1026	8.4 4
35	Combined Cardioprotective and Adipocyte Browning Effects Promoted by the Eutomer of Dual sEH/PPAR $\delta$ Modulator. <i>Journal of Medicinal Chemistry</i> , <b>2021</b> , 64, 2815-2828	8.3 4

34	Can erythrocytes release biologically active NO?. <i>Cell Communication and Signaling</i> , <b>2016</b> , 14, 22	7.5	3
33	The histone demethylase Jarid1b mediates angiotensin II-induced endothelial dysfunction by controlling the 3PJR of soluble epoxide hydrolase. <i>Acta Physiologica</i> , <b>2019</b> , 225, e13168	5.6	3
32	Identification of a cis-element regulating transcriptional activity in response to fluid shear stress in bovine aortic endothelial cells. <i>Endothelium: Journal of Endothelial Cell Research</i> , <b>2003</b> , 10, 267-75		3
31	Activation of NOS by Ca <sup>2+</sup> -Dependent and Ca <sup>2+</sup> -Independent Mechanisms <b>2000</b> , 621-632		3
30	Chronic Hypoxia Enhances $\beta$ Oxidation-Dependent Electron Transport via Electron Transferring Flavoproteins. <i>Cells</i> , <b>2019</b> , 8,	7.9	3
29	Oxidative Post-Translational Modifications: A Focus on Cysteine Sulfhydration and the Regulation of Endothelial Fitness. <i>Antioxidants and Redox Signaling</i> , <b>2021</b> , 35, 1494-1514	8.4	3
28	Cyclin Y is expressed in Platelets and Modulates Integrin Outside-in Signaling. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	2
27	A critical look at cardiovascular translational research. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>1999</b> , 277, H1655-60	5.2	2
26	Cytochrome P450-derived fatty acid epoxides and diols in angiogenesis and stem cell biology. <i>Pharmacology &amp; Therapeutics</i> , <b>2021</b> , 108049	13.9	2
25	Identification of a cis -Element Regulating Transcriptional Activity in Response to Fluid Shear Stress in Bovine Aortic Endothelial Cells. <i>Endothelium: Journal of Endothelial Cell Research</i> , <b>2003</b> , 10, 267-275		2
24	Effects of macitentan and tadalafil monotherapy or their combination on the right ventricle and plasma metabolites in pulmonary hypertensive rats. <i>Pulmonary Circulation</i> , <b>2020</b> , 10, 2045894020947283	2.7	2
23	Response to Pagano et al. <i>Antioxidants and Redox Signaling</i> , <b>2015</b> , 23, 1247-9	8.4	1
22	NO Signaling Defects in Hypertension <b>2017</b> , 301-311		1
21	Energy and motion: AMP-activated protein kinase $\beta$ and its role in platelet activation. <i>Journal of Thrombosis and Haemostasis</i> , <b>2014</b> , 12, 970-2	15.4	1
20	Biology of Nitric Oxide Synthases <b>2008</b> , 56-80		1
19	Rudi Busse (1943-2007). <i>Circulation Research</i> , <b>2007</b> , 101, 431-432	15.7	1
18	Phosphodiesterases S-sulfhydration contributes to human skeletal muscle function.. <i>Pharmacological Research</i> , <b>2022</b> , 177, 106108	10.2	1
17	AGMO Inhibitor Reduces 3T3-L1 Adipogenesis. <i>Cells</i> , <b>2021</b> , 10,	7.9	1

16	The Consequences of Soluble Epoxide Hydrolase Deletion on Tumorigenesis and Metastasis in a Mouse Model of Breast Cancer. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	1
15	Human platelets are a source of collagen I. <i>Haematologica</i> , <b>2021</b> , 106, 899-902	6.6	1
14	Loss of Endothelial Cytochrome P450 Reductase Induces Vascular Dysfunction in Mice.. <i>Hypertension</i> , <b>2022</b> , HYPERTENSIONAHA12118752	8.5	1
13	Phosphatidylserine Synthase PTDSS1 Shapes the Tumor Lipidome to Maintain Tumor-Promoting Inflammation.. <i>Cancer Research</i> , <b>2022</b> , 82, 1617-1632	10.1	1
12	Effect of Thrombin on the Metabolism and Function of Murine Macrophages. <i>Cells</i> , <b>2022</b> , 11, 1718	7.9	1
11	Who is afraid of being a reviewer? An A-Z of tips and tricks for peer review. <i>Cardiovascular Research</i> , <b>2021</b> , 117, e104-e105	9.9	0
10	Cyp2c44 epoxygenase-derived epoxyeicosatrienoic acids in vascular smooth muscle cells elicit vasoconstriction of the murine ophthalmic artery. <i>Scientific Reports</i> , <b>2021</b> , 11, 18764	4.9	0
9	Cytochrome P450-Derived Lipid Mediators and Vascular Responses <b>2015</b> , 209-231		
8	Paracrine functions of the coronary vascular endothelium <b>1996</b> , 137-145		
7	Angiotensin converting enzyme (ACE) inhibitors elicit the dimerization of ACE: an essential step for ACE-dependent signaling in endothelial cells. <i>FASEB Journal</i> , <b>2006</b> , 20, A1110	0.9	
6	Regulation of the soluble epoxide hydrolase by peroxynitrite. <i>FASEB Journal</i> , <b>2008</b> , 22, 479.14	0.9	
5	Vascular Effects of NO <b>1997</b> , 161-175		
4	sEH-deficiency attenuates neointima formation in the femoral artery cuff model of hyperlipidemic mice. <i>FASEB Journal</i> , <b>2009</b> , 23, 934.4	0.9	
3	Angiotensin II impairs endothelial function via tyrosine phosphorylation of the endothelial nitric oxide synthase. <i>Journal of Cell Biology</i> , <b>2009</b> , 187, i10-i10	7.3	
2	12,13-dihydroxyoctadecenoic acid regulates hematopoietic stem cell and progenitor cell function in zebrafish and mouse. <i>FASEB Journal</i> , <b>2012</b> , 26, lb218	0.9	
1	Müller glia cells regulate Notch signaling and retinal angiogenesis via the generation of 19,20-dihydroydocosapentaenoic acid. <i>Journal of Cell Biology</i> , <b>2014</b> , 204, 2043OIA18	7.3	