

Ingrid Fleming

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8081917/publications.pdf>

Version: 2024-02-01

340
papers

28,740
citations

3919

88
h-index

6454

157
g-index

351
all docs

351
docs citations

351
times ranked

24190
citing authors

#	ARTICLE	IF	CITATIONS
1	Activation of nitric oxide synthase in endothelial cells by Akt-dependent phosphorylation. <i>Nature</i> , 1999, 399, 601-605.	13.7	3,264
2	Cytochrome P450 2C is an EDHF synthase in coronary arteries. <i>Nature</i> , 1999, 401, 493-497.	13.7	838
3	Molecular mechanisms involved in the regulation of the endothelial nitric oxide synthase. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2003, 284, R1-R12.	0.9	747
4	EDHF: bringing the concepts together. <i>Trends in Pharmacological Sciences</i> , 2002, 23, 374-380.	4.0	731
5	Phosphorylation of Thr ⁴⁹⁵ Regulates Ca ²⁺ /Calmodulin-Dependent Endothelial Nitric Oxide Synthase Activity. <i>Circulation Research</i> , 2001, 88, E68-75.	2.0	612
6	Transdifferentiation of Blood-Derived Human Adult Endothelial Progenitor Cells Into Functionally Active Cardiomyocytes. <i>Circulation</i> , 2003, 107, 1024-1032.	1.6	520
7	Endothelial aging. <i>Cardiovascular Research</i> , 2005, 66, 286-294.	1.8	513
8	Metabolism pathways of arachidonic acids: mechanisms and potential therapeutic targets. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 94.	7.1	406
9	Endothelium-Derived Hyperpolarizing Factor Synthase (Cytochrome P450 2C9) Is a Functionally Significant Source of Reactive Oxygen Species in Coronary Arteries. <i>Circulation Research</i> , 2001, 88, 44-51.	2.0	405
10	Signal transduction of eNOS activation. <i>Cardiovascular Research</i> , 1999, 43, 532-541.	1.8	376
11	Nitric Oxide Attenuates the Release of Endothelium-Derived Hyperpolarizing Factor. <i>Circulation</i> , 1996, 94, 3341-3347.	1.6	358
12	Molecular mechanisms underlying the activation of eNOS. <i>Pflügers Archiv European Journal of Physiology</i> , 2010, 459, 793-806.	1.3	352
13	Cytochrome P450 and Vascular Homeostasis. <i>Circulation Research</i> , 2001, 89, 753-762.	2.0	346
14	Modulation of the Ca ²⁺ Permeable Cation Channel TRPV4 by Cytochrome P450 Epoxygenases in Vascular Endothelium. <i>Circulation Research</i> , 2005, 97, 908-915.	2.0	334
15	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> , 2000, 436, 257-270.	1.4	282
16	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> , 2005, 118, 4103-4111.	1.2	276
17	Activation and Signaling by the AMP-Activated Protein Kinase in Endothelial Cells. <i>Circulation Research</i> , 2009, 105, 114-127.	2.0	275
18	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> , 2000, 97, 9747-9752.	3.3	253

#	ARTICLE	IF	CITATIONS
19	The atherosusceptible endothelium: endothelial phenotypes in complex haemodynamic shear stress regions in vivo. <i>Cardiovascular Research</i> , 2013, 99, 315-327.	1.8	251
20	Ca ²⁺ -Independent Activation of the Endothelial Nitric Oxide Synthase in Response to Tyrosine Phosphatase Inhibitors and Fluid Shear Stress. <i>Circulation Research</i> , 1998, 82, 686-695.	2.0	243
21	Pulsatile Stretch and Shear Stress: Physical Stimuli Determining the Production of Endothelium-Derived Relaxing Factors. <i>Journal of Vascular Research</i> , 1998, 35, 73-84.	0.6	236
22	Intracellular pH and Tyrosine Phosphorylation but Not Calcium Determine Shear Stress-Induced Nitric Oxide Production in Native Endothelial Cells. <i>Circulation Research</i> , 1996, 78, 750-758.	2.0	233
23	Phosphorylation and activation of the endothelial nitric oxide synthase by fluid shear stress. <i>Acta Physiologica Scandinavica</i> , 2000, 168, 81-88.	2.3	232
24	Endothelial Dysfunction Coincides With an Enhanced Nitric Oxide Synthase Expression and Superoxide Anion Production. <i>Hypertension</i> , 1997, 30, 934-941.	1.3	231
25	Epoxyeicosatrienoic acids and endothelium-dependent responses. <i>Pflugers Archiv European Journal of Physiology</i> , 2010, 459, 881-895.	1.3	220
26	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> , 2003, 278, 44719-44726.	1.6	219
27	S1PR1 on tumor-associated macrophages promotes lymphangiogenesis and metastasis via NLRP3/IL-1 β . <i>Journal of Experimental Medicine</i> , 2017, 214, 2695-2713.	4.2	216
28	MicroRNA-27a/b controls endothelial cell repulsion and angiogenesis by targeting semaphorin 6A. <i>Blood</i> , 2012, 119, 1607-1616.	0.6	211
29	Endothelial Dysfunction in Atherosclerosis. <i>Journal of Vascular Research</i> , 1996, 33, 181-194.	0.6	210
30	Valproic Acid Inhibits Angiogenesis in Vitro and in Vivo. <i>Molecular Pharmacology</i> , 2004, 65, 520-527.	1.0	205
31	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> , 2002, 91, 837-844.	2.0	200
32	Incubation with endotoxin activates the L-arginine pathway in vascular tissue. <i>Biochemical and Biophysical Research Communications</i> , 1990, 171, 562-568.	1.0	189
33	NO: the Primary EDRF. <i>Journal of Molecular and Cellular Cardiology</i> , 1999, 31, 5-14.	0.9	187
34	Inhibition of Diet-Induced Atherosclerosis and Endothelial Dysfunction in Apolipoprotein E/Angiotensin II Type 1A Receptor Double-Knockout Mice. <i>Circulation</i> , 2004, 110, 3062-3067.	1.6	179
35	Soluble Epoxide Hydrolase Is a Main Effector of Angiotensin II-Induced Hypertension. <i>Hypertension</i> , 2005, 45, 759-765.	1.3	168
36	Role of cytochrome P450-dependent transient receptor potential V4 activation in flow-induced vasodilatation. <i>Cardiovascular Research</i> , 2008, 80, 445-452.	1.8	165

#	ARTICLE	IF	CITATIONS
37	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> , 1998, 37, 772-779.	1.8	158
38	Epoxyeicosatrienoic Acids Regulate Trp Channel-Dependent Ca ²⁺ Signaling and Hyperpolarization in Endothelial Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007, 27, 2612-2618.	1.1	158
39	Single cell sequencing reveals endothelial plasticity with transient mesenchymal activation after myocardial infarction. <i>Nature Communications</i> , 2021, 12, 681.	5.8	158
40	Signaling by the Angiotensin-Converting Enzyme. <i>Circulation Research</i> , 2006, 98, 887-896.	2.0	157
41	Cytochrome P450 2C9-derived epoxyeicosatrienoic acids induce angiogenesis via cross-talk with the epidermal growth factor receptor. <i>FASEB Journal</i> , 2003, 17, 770-772.	0.2	156
42	Nucleotide Excision DNA Repair Is Associated With Age-Related Vascular Dysfunction. <i>Circulation</i> , 2012, 126, 468-478.	1.6	153
43	Regulation and Functional Consequences of Endothelial Nitric Oxide Formation. <i>Annals of Medicine</i> , 1995, 27, 331-340.	1.5	152
44	11,12-Epoxyeicosatrienoic Acid-induced Inhibition of FOXO Factors Promotes Endothelial Proliferation by Down-Regulating p27. <i>Journal of Biological Chemistry</i> , 2003, 278, 29619-29625.	1.6	152
45	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> , 1991, 103, 1218-1224.	2.7	149
46	Cytochrome P450 epoxygenases 2C8 and 2C9 are implicated in hypoxia-induced endothelial cell migration and angiogenesis. <i>Journal of Cell Science</i> , 2005, 118, 5489-5498.	1.2	148
47	Intracellular alkalinization induced by bradykinin sustains activation of the constitutive nitric oxide synthase in endothelial cells. <i>Circulation Research</i> , 1994, 74, 1220-1226.	2.0	146
48	P2Y2 and Gq/G11 control blood pressure by mediating endothelial mechanotransduction. <i>Journal of Clinical Investigation</i> , 2015, 125, 3077-3086.	3.9	145
49	Calcium Signaling in Endothelial Cells Involves Activation of Tyrosine Kinases and Leads to Activation of Mitogen-Activated Protein Kinases. <i>Circulation Research</i> , 1995, 76, 522-529.	2.0	141
50	Regulation of endothelium-derived vasoactive autacoid production by hemodynamic forces. <i>Trends in Pharmacological Sciences</i> , 2003, 24, 24-29.	4.0	138
51	20-HETE-Induced Contraction of Small Coronary Arteries Depends on the Activation of Rho-Kinase. <i>Hypertension</i> , 2003, 41, 801-806.	1.3	138
52	Calcium-Dependent and Calcium-Independent Activation of the Endothelial NO Synthase. <i>Journal of Vascular Research</i> , 1997, 34, 165-174.	0.6	137
53	Hypoxic pulmonary vasoconstriction requires connexin 40-mediated endothelial signal conduction. <i>Journal of Clinical Investigation</i> , 2012, 122, 4218-4230.	3.9	134
54	Analysis of Dichlorodihydrofluorescein and Dihydrocalcein as Probes for the Detection of Intracellular Reactive Oxygen Species. <i>Free Radical Research</i> , 2004, 38, 1257-1267.	1.5	133

#	ARTICLE	IF	CITATIONS
55	The N-terminal domain of mammalian soluble epoxide hydrolase is a phosphatase. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 1552-1557.	3.3	131
56	Cytochrome P450 epoxygenases as EDHF synthase(s). Pharmacological Research, 2004, 49, 525-533.	3.1	131
57	Shear stress-induced endothelial adrenomedullin signaling regulates vascular tone and blood pressure. Journal of Clinical Investigation, 2019, 129, 2775-2791.	3.9	129
58	Evidence that an L-arginine/nitric oxide dependent elevation of tissue cyclic GMP content is involved in depression of vascular reactivity by endotoxin. British Journal of Pharmacology, 1991, 103, 1047-1052.	2.7	126
59	Inhibition of Cytochrome P450 2C9 Improves Endothelium-Dependent, Nitric Oxide-Mediated Vasodilatation in Patients With Coronary Artery Disease. Circulation, 2004, 109, 178-183.	1.6	126
60	Angiotensin II impairs endothelial function via tyrosine phosphorylation of the endothelial nitric oxide synthase. Journal of Experimental Medicine, 2009, 206, 2889-2896.	4.2	126
61	The eNOS signalosome and its link to endothelial dysfunction. Pflugers Archiv European Journal of Physiology, 2016, 468, 1125-1137.	1.3	125
62	Dephosphorylation of endothelial nitric oxide synthase contributes to the antiangiogenic effects of endostatin. FASEB Journal, 2002, 16, 706-708.	0.2	123
63	The Pharmacology of the Cytochrome P450 Epoxygenase/Soluble Epoxide Hydrolase Axis in the Vasculature and Cardiovascular Disease. Pharmacological Reviews, 2014, 66, 1106-1140.	7.1	122
64	Angiotensin-Converting Enzyme Is Involved in Outside-In Signaling in Endothelial Cells. Circulation Research, 2004, 94, 60-67.	2.0	121
65	MicroRNA-223 Antagonizes Angiogenesis by Targeting Î²1 Integrin and Preventing Growth Factor Signaling in Endothelial Cells. Circulation Research, 2013, 113, 1320-1330.	2.0	121
66	Epoxyeicosatrienoic acids, cell signaling and angiogenesis. Prostaglandins and Other Lipid Mediators, 2007, 82, 60-67.	1.0	120
67	Nifedipine Increases Cytochrome P4502C Expression and Endothelium-Derived Hyperpolarizing Factor-Mediated Responses in Coronary Arteries. Hypertension, 2000, 36, 270-275.	1.3	118
68	Endothelium-Derived Epoxyeicosatrienoic Acids and Vascular Function. Hypertension, 2006, 47, 629-633.	1.3	113
69	Inhibition of soluble epoxide hydrolase prevents diabetic retinopathy. Nature, 2017, 552, 248-252.	13.7	113
70	From endothelium-derived hyperpolarizing factor (EDHF) to angiogenesis: Epoxyeicosatrienoic acids (EETs) and cell signaling. , 2006, 111, 584-595.		112
71	AT1-receptor blockade by telmisartan upregulates GTP-cyclohydrolase I and protects eNOS in diabetic rats. Free Radical Biology and Medicine, 2008, 45, 619-626.	1.3	112
72	Pulsatile Stretch in Coronary Arteries Elicits Release of Endothelium-Derived Hyperpolarizing Factor. Circulation Research, 1998, 82, 696-703.	2.0	111

#	ARTICLE	IF	CITATIONS
73	Isometric contraction induces the Ca ²⁺ -independent activation of the endothelial nitric oxide synthase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 1123-1128.	3.3	111
74	Angiotensin-Converting Enzyme Inhibitor Ramiprilat Interferes With the Sequestration of the B2Kinin Receptor Within the Plasma Membrane of Native Endothelial Cells. <i>Circulation</i> , 1999, 99, 2034-2040.	1.6	110
75	Vascular Gene Transfer of Phosphomimetic Endothelial Nitric Oxide Synthase (S1177D) Using Ultrasound-Enhanced Destruction of Plasmid-Loaded Microbubbles Improves Vasoreactivity. <i>Circulation</i> , 2002, 105, 1104-1109.	1.6	108
76	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> , 2003, 546, 307-314.	1.3	108
77	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> , 2002, 277, 15671-15676.	1.6	105
78	Oxidized low-density lipoprotein increases superoxide production by endothelial nitric oxide synthase by inhibiting PKC?. <i>Cardiovascular Research</i> , 2005, 65, 897-906.	1.8	105
79	Cytochrome P450 Epoxygenase Gene Function in Hypoxic Pulmonary Vasoconstriction and Pulmonary Vascular Remodeling. <i>Hypertension</i> , 2006, 47, 762-770.	1.3	105
80	Cystathionine β Lyase Sulphydrates the RNA Binding Protein Human Antigen R to Preserve Endothelial Cell Function and Delay Atherogenesis. <i>Circulation</i> , 2019, 139, 101-114.	1.6	103
81	Dynamic Modulation of Interendothelial Gap Junctional Communication by 11,12-Epoxyeicosatrienoic Acid. <i>Circulation Research</i> , 2002, 90, 800-806.	2.0	101
82	Epoxyeicosatrienoic acids and the soluble epoxide hydrolase are determinants of pulmonary artery pressure and the acute hypoxic pulmonary vasoconstrictor response. <i>FASEB Journal</i> , 2008, 22, 4306-4315.	0.2	100
83	Antisense oligonucleotides against cytochrome P450 2C8 attenuate EDHF-mediated Ca ²⁺ changes and dilation in isolated resistance arteries. <i>FASEB Journal</i> , 2000, 14, 255-260.	0.2	96
84	Epoxyeicosatrienoic acids are part of the VEGF-activated signaling cascade leading to angiogenesis. <i>American Journal of Physiology - Cell Physiology</i> , 2008, 295, C1292-C1301.	2.1	96
85	Role of Transient Receptor Potential Vanilloid 4 in Neutrophil Activation and Acute Lung Injury. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2016, 54, 370-383.	1.4	95
86	Anaphylactic shock depends on endothelial Gq/G11. <i>Journal of Experimental Medicine</i> , 2009, 206, 411-420.	4.2	94
87	Dicer Cleavage by Calpain Determines Platelet microRNA Levels and Function in Diabetes. <i>Circulation Research</i> , 2015, 117, 157-165.	2.0	94
88	Inducible but not constitutive production of nitric oxide by vascular smooth muscle cells. <i>European Journal of Pharmacology</i> , 1991, 200, 375-376.	1.7	93
89	The coronary endothelium-derived hyperpolarizing factor (EDHF) stimulates multiple signalling pathways and proliferation in vascular cells. <i>Pflügers Archiv European Journal of Physiology</i> , 2001, 442, 511-518.	1.3	93
90	Vascular Cytochrome P450 Enzymes: Physiology and Pathophysiology. <i>Trends in Cardiovascular Medicine</i> , 2008, 18, 20-25.	2.3	92

#	ARTICLE	IF	CITATIONS
91	Platelet Sarcoplasmic Endoplasmic Reticulum Ca ²⁺ -ATPase and β -Calpain Activity Are Altered in Type 2 Diabetes Mellitus and Restored by Rosiglitazone. <i>Circulation</i> , 2008, 117, 52-60.	1.6	91
92	Coronary Revascularization During Heart Regeneration Is Regulated by Epicardial and Endocardial Cues and Forms a Scaffold for Cardiomyocyte Repopulation. <i>Developmental Cell</i> , 2019, 51, 503-515.e4.	3.1	89
93	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> , 2013, 112, 1150-1158.	2.0	87
94	AMP-activated protein kinase (AMPK) regulates the insulin-induced activation of the nitric oxide synthase in human platelets. <i>Thrombosis and Haemostasis</i> , 2003, 90, 863-871.	1.8	86
95	The ADMA/DDAH pathway is a critical regulator of endothelial cell motility. <i>Journal of Cell Science</i> , 2007, 120, 929-942.	1.2	86
96	CK2 Phosphorylates the Angiotensin-Converting Enzyme and Regulates Its Retention in the Endothelial Cell Plasma Membrane. <i>Circulation Research</i> , 2002, 91, 749-756.	2.0	82
97	Gab1, SHP2, and Protein Kinase A Are Crucial for the Activation of the Endothelial NO Synthase by Fluid Shear Stress. <i>Circulation Research</i> , 2005, 97, 1236-1244.	2.0	82
98	Cyclic Stretch Enhances the Expression and Activity of Coronary Endothelium-Derived Hyperpolarizing Factor Synthase. <i>Hypertension</i> , 2001, 38, 1427-1432.	1.3	81
99	Valproic acid induces extracellular signal-regulated kinase 1/2 activation and inhibits apoptosis in endothelial cells. <i>Cell Death and Differentiation</i> , 2006, 13, 446-453.	5.0	81
100	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> , 2008, 102, 1520-1528.	2.0	81
101	Amlodipine activates the endothelial nitric oxide synthase by altering phosphorylation on Ser1177 and Thr495. <i>Cardiovascular Research</i> , 2003, 59, 844-853.	1.8	78
102	Monoamine Oxidases Are Mediators of Endothelial Dysfunction in the Mouse Aorta. <i>Hypertension</i> , 2013, 62, 140-146.	1.3	78
103	Signaling via the Angiotensin-Converting Enzyme Enhances the Expression of Cyclooxygenase-2 in Endothelial Cells. <i>Hypertension</i> , 2005, 45, 126-132.	1.3	77
104	Aged Spontaneously Hypertensive Rats Exhibit a Selective Loss of EDHF-Mediated Relaxation in the Renal Artery. <i>Hypertension</i> , 2003, 42, 562-568.	1.3	76
105	Adipocyte Piezo1 mediates obesogenic adipogenesis through the FGF1/FGFR1 signaling pathway in mice. <i>Nature Communications</i> , 2020, 11, 2303.	5.8	76
106	Bobbing Along on the Crest of a Wave. <i>Circulation Research</i> , 2003, 93, 9-11.	2.0	75
107	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> , 2003, 8, 253-261.	1.2	73
108	Lipocalin 2 from macrophages stimulated by tumor cell-derived sphingosine 1-phosphate promotes lymphangiogenesis and tumor metastasis. <i>Science Signaling</i> , 2016, 9, ra64.	1.6	73

#	ARTICLE	IF	CITATIONS
109	Nitric Oxide-Induced Activation of the AMP-Activated Protein Kinase α 2 Subunit Attenuates β Kinase Activity and Inflammatory Responses in Endothelial Cells. PLoS ONE, 2011, 6, e20848.	1.1	72
110	Interdependence of Calcium Signaling and Protein Tyrosine Phosphorylation in Human Endothelial Cells. Journal of Biological Chemistry, 1996, 271, 11009-11015.	1.6	70
111	Bradykinin-induced relaxation of coronary microarteries: S-nitrosothiols as EDHF?. British Journal of Pharmacology, 2004, 142, 125-135.	2.7	70
112	Hypoxia Potentiates Palmitate-induced Pro-inflammatory Activation of Primary Human Macrophages. Journal of Biological Chemistry, 2016, 291, 413-424.	1.6	70
113	Mapping the Endothelial Cell <i>S</i> -Sulfhydryl Highlights the Crucial Role of Integrin Sulfhydration in Vascular Function. Circulation, 2021, 143, 935-948.	1.6	70
114	Macrophages programmed by apoptotic cells promote angiogenesis via prostaglandin E_2 . FASEB Journal, 2011, 25, 2408-2417.	0.2	69
115	Müller glia cells regulate Notch signaling and retinal angiogenesis via the generation of 19,20-dihydroxydocosapentaenoic acid. Journal of Experimental Medicine, 2014, 211, 281-295.	4.2	68
116	Insulin Induces the Release of Vasodilator Compounds From Platelets by a Nitric Oxide-G Kinase-VAMP-3-dependent Pathway. Journal of Experimental Medicine, 2004, 199, 347-356.	4.2	67
117	Cytochrome P450 _{C9} -Derived Epoxyeicosatrienoic Acids Induce the Expression of Cyclooxygenase-2 in Endothelial Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2005, 25, 321-326.	1.1	67
118	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. Circulation Research, 2007, 100, e12-21.	2.0	66
119	Hypoxia-induced pulmonary hypertension: comparison of soluble epoxide hydrolase deletion vs. inhibition. Cardiovascular Research, 2010, 85, 232-240.	1.8	66
120	Shear stress-induced activation of the AMP-activated protein kinase regulates FoxO1a and angiotensin-2 in endothelial cells. Cardiovascular Research, 2007, 77, 160-168.	1.8	64
121	DiscrEET regulators of homeostasis: epoxyeicosatrienoic acids, cytochrome P450 epoxygenases and vascular inflammation. Trends in Pharmacological Sciences, 2007, 28, 448-452.	4.0	63
122	EGFL7 ligates α 3 integrin to enhance vessel formation. Blood, 2013, 121, 3041-3050.	0.6	62
123	Mechanisms of Increased Vascular Superoxide Production in an Experimental Model of Idiopathic Dilated Cardiomyopathy. Arteriosclerosis, Thrombosis, and Vascular Biology, 2005, 25, 2554-2559.	1.1	60
124	Soluble epoxide hydrolase regulates hematopoietic progenitor cell function via generation of fatty acid diols. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 9995-10000.	3.3	60
125	Role of secreted modular calcium-binding protein 1 (SMOC1) in transforming growth factor β signalling and angiogenesis. Cardiovascular Research, 2015, 106, 284-294.	1.8	59
126	Inhibition of the production of endothelium-derived hyperpolarizing factor by cannabinoid receptor agonists. British Journal of Pharmacology, 1999, 126, 949-960.	2.7	58

#	ARTICLE	IF	CITATIONS
127	A selective and sensitive method for quantification of endogenous polysulfide production in biological samples. <i>Redox Biology</i> , 2018, 18, 295-304.	3.9	58
128	Pleiotropic effects of laminar flow and statins depend on the KrÄppel-like factor-induced lncRNA MANTIS. <i>European Heart Journal</i> , 2019, 40, 2523-2533.	1.0	58
129	The tissue renin-angiotensin system and intracellular signalling. <i>Current Opinion in Nephrology and Hypertension</i> , 2006, 15, 8-13.	1.0	57
130	Interactions between thromboxane A ₂ , thromboxane/prostaglandin (TP) receptors, and endothelium-derived hyperpolarization. <i>Cardiovascular Research</i> , 2014, 102, 9-16.	1.8	57
131	Insulin, Insulin Resistance, and Platelet Signaling in Diabetes. <i>Diabetes Care</i> , 2009, 32, 528-530.	4.3	55
132	Calpain inhibition stabilizes the platelet proteome and reactivity in diabetes. <i>Blood</i> , 2012, 120, 415-423.	0.6	54
133	miR-223-IGF-IR signalling in hypoxia- and load-induced right-ventricular failure: a novel therapeutic approach. <i>Cardiovascular Research</i> , 2016, 111, 184-193.	1.8	54
134	Inhibition of the soluble epoxide hydrolase attenuates monocrotaline-induced pulmonary hypertension in rats. <i>Journal of Hypertension</i> , 2009, 27, 322-331.	0.3	52
135	Soluble Epoxide Hydrolase Deficiency Attenuates Neointima Formation in the Femoral Cuff Model of Hyperlipidemic Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 909-914.	1.1	52
136	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> , 2016, 24, 392-399.	2.5	52
137	The S1P2 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> , 2009, 104, 333-340.	2.5	51
138	Leptin Potentiates Endothelium-Dependent Relaxation by Inducing Endothelial Expression of Neuronal NO Synthase. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 1605-1612.	1.1	49
139	Electrophilic Fatty Acid Species Inhibit 5-Lipoxygenase and Attenuate Sepsis-Induced Pulmonary Inflammation. <i>Antioxidants and Redox Signaling</i> , 2014, 20, 2667-2680.	2.5	49
140	Adipocyte-derived lipids increase angiotensin-converting enzyme (ACE) expression and modulate macrophage phenotype. <i>Basic Research in Cardiology</i> , 2011, 106, 205-215.	2.5	48
141	Paracrine functions of the coronary vascular endothelium. <i>Molecular and Cellular Biochemistry</i> , 1996, 157, 137-45.	1.4	47
142	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> , 2014, 350, 14-21.	1.3	47
143	5-Lipoxygenase Is a Candidate Target for Therapeutic Management of Stem Cell-like Cells in Acute Myeloid Leukemia. <i>Cancer Research</i> , 2014, 74, 5244-5255.	0.4	47
144	Chronic selective hypertriglyceridemia impairs endothelium-dependent vasodilatation in rats. <i>Cardiovascular Research</i> , 1999, 42, 783-793.	1.8	45

#	ARTICLE	IF	CITATIONS
145	Cardiovascular phenotype of mice lacking 3-mercaptopyruvate sulfurtransferase. <i>Biochemical Pharmacology</i> , 2020, 176, 113833.	2.0	45
146	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> , 2003, 1619, 332-339.	1.1	44
147	NADPH Oxidase Accounts for Enhanced Superoxide Production and Impaired Endothelium-Dependent Smooth Muscle Relaxation in BK β 1 α Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006, 26, 1753-1759.	1.1	44
148	Oxidized phospholipids regulate amino acid metabolism through MTHFD2 to facilitate nucleotide release in endothelial cells. <i>Nature Communications</i> , 2018, 9, 2292.	5.8	44
149	Characterization of the endothelium-derived hyperpolarizing factor (EDHF) response in the human interlobar artery. <i>Kidney International</i> , 2003, 63, 1749-1755.	2.6	43
150	The synthesis of 20-HETE in small porcine coronary arteries antagonizes EDHF-mediated relaxation. <i>Cardiovascular Research</i> , 2005, 65, 487-494.	1.8	43
151	Angiotensin-Converting Enzyme (ACE) Dimerization Is the Initial Step in the ACE Inhibitor-Induced ACE Signaling Cascade in Endothelial Cells. <i>Molecular Pharmacology</i> , 2006, 69, 1725-1732.	1.0	43
152	Soluble Epoxide Hydrolase Limits Mechanical Hyperalgesia during Inflammation. <i>Molecular Pain</i> , 2011, 7, 1744-8069-7-78.	1.0	43
153	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> , 2001, 51, 344-350.	1.8	42
154	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> , 2007, 9, 770-775.	2.9	42
155	Role of Cytochrome P450 2C Epoxygenases in Hypoxia-Induced Cell Migration and Angiogenesis in Retinal Endothelial Cells. , 2008, 49, 1242.		42
156	AMPK β 2 subunit is involved in platelet signaling, clot retraction, and thrombus stability. <i>Blood</i> , 2010, 116, 2134-2140.	0.6	42
157	Cytochrome P450-Derived Epoxyeicosatrienoic Acids and Pulmonary Hypertension: Central Role of Transient Receptor Potential C6 Channels. <i>Journal of Cardiovascular Pharmacology</i> , 2011, 57, 140-147.	0.8	42
158	cAMP Phosphodiesterase Inhibitors Increases Nitric Oxide Production by Modulating Dimethylarginine Dimethylaminohydrolases. <i>Circulation</i> , 2011, 123, 1194-1204.	1.6	42
159	The factor in EDHF: Cytochrome P450 derived lipid mediators and vascular signaling. <i>Vascular Pharmacology</i> , 2016, 86, 31-40.	1.0	42
160	New fACEs to the Renin-Angiotensin System. <i>Physiology</i> , 2005, 20, 91-95.	1.6	41
161	Cytochrome P4502S1: a novel monocyte/macrophage fatty acid epoxygenase in human atherosclerotic plaques. <i>Basic Research in Cardiology</i> , 2013, 108, 319.	2.5	41
162	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> , 2016, 111, 69.	2.5	41

#	ARTICLE	IF	CITATIONS
163	Hyperthyroidism enhances endothelium-dependent relaxation in the rat renal artery. <i>Cardiovascular Research</i> , 2003, 59, 181-188.	1.8	40
164	Transforming Growth Factor- β 1 Activated Kinase 1 Regulates Angiogenesis via AMP-Activated Protein Kinase- α 1 and Redox Balance in Endothelial Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 2792-2799.	1.1	40
165	The NADPH oxidases NoxO1 and p47phox are both mediators of diabetes-induced vascular dysfunction in mice. <i>Redox Biology</i> , 2018, 15, 12-21.	3.9	40
166	Nitric oxide maintains endothelial redox homeostasis through PKM2 inhibition. <i>EMBO Journal</i> , 2019, 38, e100938.	3.5	39
167	Endothelium-Derived Kinins Account for the Immediate Response of Endothelial Cells to Bacterial Lipopolysaccharide. <i>Journal of Cardiovascular Pharmacology</i> , 1992, 20, S135-S138.	0.8	38
168	Tyrosine Phosphorylation and Bradykinin-Induced Signaling in Endothelial Cells. <i>American Journal of Cardiology</i> , 1997, 80, 102A-109A.	0.7	38
169	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> , 2003, 105, 513-518.	1.8	38
170	Mena/VASP and β -Spectrin complexes regulate cytoplasmic actin networks in cardiomyocytes and protect from conduction abnormalities and dilated cardiomyopathy. <i>Cell Communication and Signaling</i> , 2013, 11, 56.	2.7	38
171	AMP-Activated Protein Kinase α 2 in Neutrophils Regulates Vascular Repair via Hypoxia-Inducible Factor- α 1 and a Network of Proteins Affecting Metabolism and Apoptosis. <i>Circulation Research</i> , 2017, 120, 99-109.	2.0	38
172	β -Catenin Is Required for Endothelial Cyp1b1 Regulation Influencing Metabolic Barrier Function. <i>Journal of Neuroscience</i> , 2016, 36, 8921-8935.	1.7	37
173	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> , 2017, 102, 57-66.	1.3	37
174	Shear stress regulates cystathionine β lyase expression to preserve endothelial redox balance and reduce membrane lipid peroxidation. <i>Redox Biology</i> , 2020, 28, 101379.	3.9	37
175	The extracellular regulated kinases (ERK) 1/2 mediate cannabinoid-induced inhibition of gap junctional communication in endothelial cells. <i>British Journal of Pharmacology</i> , 2002, 136, 709-716.	2.7	36
176	HIF-2 α -dependent PAI-1 induction contributes to angiogenesis in hepatocellular carcinoma. <i>Experimental Cell Research</i> , 2015, 331, 46-57.	1.2	36
177	aPKC controls endothelial growth by modulating c-Myc via FoxO1 DNA-binding ability. <i>Nature Communications</i> , 2018, 9, 5357.	5.8	36
178	Endothelium-Derived Bradykinin. <i>Journal of Cardiovascular Pharmacology</i> , 1993, 22, S31-S36.	0.8	35
179	Pro-inflammatory obesity in aged cannabinoid-2 receptor-deficient mice. <i>International Journal of Obesity</i> , 2016, 40, 366-379.	1.6	35
180	The endothelial organ. <i>Current Opinion in Cardiology</i> , 1993, 8, 719-727.	0.8	34

#	ARTICLE	IF	CITATIONS
181	EDHF: A cytochrome P450 metabolite in coronary arteries. <i>Seminars in Perinatology</i> , 2000, 24, 15-19.	1.1	34
182	Epigenetic Regulation of Angiogenesis by JARID1B-Induced Repression of HOXA5. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 1645-1652.	1.1	33
183	Calpain 1 cleaves and inactivates prostacyclin synthase in mesenteric arteries from diabetic mice. <i>Basic Research in Cardiology</i> , 2017, 112, 10.	2.5	33
184	Stable Oxidative Cytosine Modifications Accumulate in Cardiac Mesenchymal Cells From Type2 Diabetes Patients. <i>Circulation Research</i> , 2018, 122, 31-46.	2.0	33
185	VE-PTP inhibition elicits eNOS phosphorylation to blunt endothelial dysfunction and hypertension in diabetes. <i>Cardiovascular Research</i> , 2021, 117, 1546-1556.	1.8	33
186	Increased susceptibility of human endothelial cells to infections by SARS-CoV-2 variants. <i>Basic Research in Cardiology</i> , 2021, 116, 42.	2.5	33
187	Cytochrome P450 2C expression and EDHF-mediated relaxation in porcine coronary arteries is increased by cortisol. <i>Cardiovascular Research</i> , 2002, 54, 669-675.	1.8	32
188	Impaired interaction of platelets with endothelial progenitor cells in patients with cardiovascular risk factors. <i>Basic Research in Cardiology</i> , 2008, 103, 572-581.	2.5	32
189	Cytochrome P450 2C9-Induced Angiogenesis Is Dependent on EphB4. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008, 28, 1123-1129.	1.1	32
190	The cytochrome P450 pathway in angiogenesis and endothelial cell biology. <i>Cancer and Metastasis Reviews</i> , 2011, 30, 541-555.	2.7	32
191	The F-BAR protein NOSTRIN participates in FGF signal transduction and vascular development. <i>EMBO Journal</i> , 2012, 31, 3309-3322.	3.5	32
192	Hydrogen Sulfide Preserves Endothelial Nitric Oxide Synthase Function by Inhibiting Proline-Rich Kinase 2: Implications for Cardiomyocyte Survival and Cardioprotection. <i>Molecular Pharmacology</i> , 2017, 92, 718-730.	1.0	32
193	Cytochrome P450-derived epoxyeicosatrienoic acids accelerate wound epithelialization and neovascularization in the hairless mouse ear wound model. <i>Langenbeck's Archives of Surgery</i> , 2011, 396, 1245-1253.	0.8	31
194	Deleted in Malignant Brain Tumors 1 is Present in the Vascular Extracellular Matrix and Promotes Angiogenesis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 442-448.	1.1	31
195	Increased cerebrospinal fluid calpain activity and microparticle levels in Alzheimer's disease. , 2015, 11, 465-474.		31
196	Differential effects of EPA versus DHA on postprandial vascular function and the plasma oxylipin profile in men. <i>Journal of Lipid Research</i> , 2016, 57, 1720-1727.	2.0	31
197	VASP regulates leukocyte infiltration, polarization, and vascular repair after ischemia. <i>Journal of Cell Biology</i> , 2018, 217, 1503-1519.	2.3	31
198	Nitroglycerine limits infarct size through S-nitrosation of cyclophilin D: a novel mechanism for an old drug. <i>Cardiovascular Research</i> , 2019, 115, 625-636.	1.8	31

#	ARTICLE	IF	CITATIONS
199	AKAP12 deficiency impairs VEGF-induced endothelial cell migration and sprouting. <i>Acta Physiologica</i> , 2020, 228, e13325.	1.8	31
200	An L-arginine-derived factor mediates endotoxin-induced vascular hyposensitivity to calcium. <i>European Journal of Pharmacology</i> , 1990, 191, 89-92.	1.7	30
201	Activation of the L-Arginine-Nitric Oxide Pathway Is Involved in Vascular Hyporeactivity Induced by Endotoxin. <i>Journal of Cardiovascular Pharmacology</i> , 1991, 17, S207-S212.	0.8	30
202	Ca ²⁺ -sensing Receptor Cleavage by Calpain Partially Accounts for Altered Vascular Reactivity in Mice Fed a High-fat Diet. <i>Journal of Cardiovascular Pharmacology</i> , 2013, 61, 528-535.	0.8	30
203	Calcium Signalling and Autacoid Production in Endothelial Cells Are Modulated by Changes in Tyrosine Kinase and Phosphatase Activity. <i>Journal of Vascular Research</i> , 1996, 33, 225-234.	0.6	29
204	The effects of COX-2 selective and non-selective NSAIDs on the initiation and progression of atherosclerosis in ApoE ^{-/-} mice. <i>Journal of Molecular Medicine</i> , 2007, 85, 623-633.	1.7	29
205	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> , 2009, 75, 685-692.	1.0	29
206	11,12-EET Stimulates the Association of BK Channel β_1 and β_2 Subunits in Mitochondria to Induce Pulmonary Vasoconstriction. <i>PLoS ONE</i> , 2012, 7, e46065.	1.1	29
207	Extracellular RNA released due to shear stress controls natural bypass growth by mediating mechanotransduction in mice. <i>Blood</i> , 2019, 134, 1469-1479.	0.6	28
208	Inhibition of the Soluble Epoxide Hydrolase by Tyrosine Nitration. <i>Journal of Biological Chemistry</i> , 2009, 284, 28156-28163.	1.6	27
209	CYP4A11 polymorphism correlates with coronary endothelial dysfunction in patients with coronary artery disease—The ENCORE Trials. <i>Atherosclerosis</i> , 2009, 207, 476-479.	0.4	27
210	Role of cytochrome P450-derived, polyunsaturated fatty acid mediators in diabetes and the metabolic syndrome. <i>Prostaglandins and Other Lipid Mediators</i> , 2020, 148, 106407.	1.0	27
211	Increased Cytochrome P4502E1 Expression and Altered Hydroxyeicosatetraenoic Acid Formation Mediate Diabetic Vascular Dysfunction. <i>Diabetes</i> , 2010, 59, 2001-2009.	0.3	26
212	Cytochrome P450-dependent eicosanoid production and crosstalk. <i>Current Opinion in Lipidology</i> , 2011, 22, 403-409.	1.2	26
213	Cytochrome P450 2C is an EDHF Synthase in Coronary Arteries. <i>Trends in Cardiovascular Medicine</i> , 2000, 10, 166-170.	2.3	25
214	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> , 2002, 137, 647-654.	2.7	25
215	Signaling via the Angiotensin-Converting Enzyme Results in the Phosphorylation of the Nonmuscle Myosin Heavy Chain IIA. <i>Molecular Pharmacology</i> , 2006, 69, 19-26.	1.0	25
216	Soluble epoxide hydrolase disruption as therapeutic target for wound healing. <i>Journal of Surgical Research</i> , 2013, 182, 362-367.	0.8	25

#	ARTICLE	IF	CITATIONS
217	Polarization of Human Macrophages by Interleukin-4 Does Not Require ATP-Citrate Lyase. <i>Frontiers in Immunology</i> , 2018, 9, 2858.	2.2	25
218	Tyrosine phosphorylation of eNOS regulates myocardial survival after an ischaemic insult: role of PYK2. <i>Cardiovascular Research</i> , 2017, 113, 926-937.	1.8	25
219	Control and Consequences of Endothelial Nitric Oxide Formation. <i>Advances in Pharmacology</i> , 1995, 34, 187-206.	1.2	24
220	Adenoviral-mediated overexpression of DDAH improves vascular tone regulation. <i>Vascular Medicine</i> , 2010, 15, 205-213.	0.8	24
221	ADAR1 Is Required for Dendritic Cell Subset Homeostasis and Alveolar Macrophage Function. <i>Journal of Immunology</i> , 2019, 202, 1099-1111.	0.4	24
222	Methylglyoxal Induces Platelet Hyperaggregation and Reduces Thrombus Stability by Activating PKC and Inhibiting PI3K/Akt Pathway. <i>PLoS ONE</i> , 2013, 8, e74401.	1.1	24
223	Cytochrome P-450 Under Pressure. <i>Circulation</i> , 2005, 111, 5-7.	1.6	23
224	Angiopietinâ€2 mediates thrombinâ€1-induced monocyte adhesion and endothelial permeability. <i>Journal of Thrombosis and Haemostasis</i> , 2016, 14, 1655-1667.	1.9	23
225	Alterations of the platelet proteome in type I Glanzmann thrombasthenia caused by different homozygous delG frameshift mutations in ITGA2B. <i>Thrombosis and Haemostasis</i> , 2017, 117, 556-569.	1.8	23
226	Effect of endotoxin on circulating cyclic GMP in the rat. <i>European Journal of Pharmacology</i> , 1992, 212, 93-96.	1.7	22
227	Platelet Function and Signaling in Diabetes Mellitus. <i>Current Vascular Pharmacology</i> , 2012, 10, 532-538.	0.8	22
228	Metformin reduces hyper-reactivity of platelets from patients with polycystic ovary syndrome by improving mitochondrial integrity. <i>Thrombosis and Haemostasis</i> , 2015, 114, 569-578.	1.8	22
229	Nitric oxide and endothelium-derived hyperpolarizing factor: Formation and interactions. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 1997, 57, 439-446.	1.0	21
230	Nitric Oxide Inhibits Glomerular TGF-Î² Signaling via SMOC-1. <i>Journal of the American Society of Nephrology: JASN</i> , 2009, 20, 1963-1974.	3.0	21
231	Mechanisms, therapeutic implications, and methodological challenges of gut microbiota and cardiovascular diseases: a position paper by the ESC Working Group on Coronary Pathophysiology and Microcirculation. <i>Cardiovascular Research</i> , 2022, 118, 3171-3182.	1.8	21
232	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> , 2015, 22, 1273-1292.	2.5	20
233	Phosphorylation of vasodilator-stimulated phosphoprotein contributes to myocardial ischemic preconditioning. <i>Basic Research in Cardiology</i> , 2018, 113, 11.	2.5	20
234	Cellular stress induces erythrocyte assembly on intravascular von Willebrand factor strings and promotes microangiopathy. <i>Scientific Reports</i> , 2018, 8, 10945.	1.6	19

#	ARTICLE	IF	CITATIONS
235	EVL regulates VEGF receptor internalization and signaling in developmental angiogenesis. <i>EMBO Reports</i> , 2021, 22, e48961.	2.0	19
236	Soluble epoxide hydrolase promotes astrocyte survival in retinopathy of prematurity. <i>Journal of Clinical Investigation</i> , 2019, 129, 5204-5218.	3.9	19
237	G-protein-coupled receptor P2Y10 facilitates chemokine-induced CD4 T cell migration through autocrine/paracrine mediators. <i>Nature Communications</i> , 2021, 12, 6798.	5.8	19
238	Nitric oxide and EDHF-mediated arteriolar tone in uremia is unaffected by selective inhibition of vascular cytochrome P450 2C9. <i>Kidney International</i> , 2005, 67, 1907-1912.	2.6	18
239	Stereological characterization of left ventricular cardiomyocytes, capillaries, and innervation in the nondiabetic, obese mouse. <i>Cardiovascular Pathology</i> , 2012, 21, 346-354.	0.7	18
240	All cut up! The consequences of calpain activation on platelet function. <i>Vascular Pharmacology</i> , 2012, 56, 210-215.	1.0	18
241	HIF α attenuates lymphangiogenesis by upregulating IGFBP1 in hepatocellular carcinoma. <i>Biology of the Cell</i> , 2015, 107, 175-188.	0.7	18
242	Platelet-Enriched MicroRNAs and Cardiovascular Homeostasis. <i>Antioxidants and Redox Signaling</i> , 2018, 29, 902-921.	2.5	18
243	Endothelial AMP-Activated Kinase α 1 Phosphorylates eNOS on Thr495 and Decreases Endothelial NO Formation. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2753.	1.8	18
244	Angiogenesis and vascular stability in eicosanoids and cancer. <i>Cancer and Metastasis Reviews</i> , 2018, 37, 425-438.	2.7	18
245	Oxidative Post-Translational Modifications: A Focus on Cysteine S-Sulfhydration and the Regulation of Endothelial Fitness. <i>Antioxidants and Redox Signaling</i> , 2021, 35, 1494-1514.	2.5	18
246	Regulation of NO Synthesis in Endothelial Cells. <i>Kidney and Blood Pressure Research</i> , 1998, 21, 264-266.	0.9	17
247	Nitric oxide, nitric oxide synthase, and hypertensive vascular disease. <i>Current Hypertension Reports</i> , 1999, 1, 88-95.	1.5	17
248	Myoendothelial Gap Junctions. <i>Circulation Research</i> , 2000, 86, 249-250.	2.0	17
249	Epoxyeicosatrienoic acids affect electrolyte transport in renal tubular epithelial cells: dependence on cyclooxygenase and cell polarity. <i>American Journal of Physiology - Renal Physiology</i> , 2007, 293, F288-F298.	1.3	17
250	Chronic Hypoxia Enhances β -Oxidation-Dependent Electron Transport via Electron Transferring Flavoproteins. <i>Cells</i> , 2019, 8, 172.	1.8	17
251	Anomalous Kv7 channel activity in human malignant hyperthermia syndrome unmasks a key role for H ₂ S and persulfidation in skeletal muscle. <i>British Journal of Pharmacology</i> , 2020, 177, 810-823.	2.7	16
252	The F-BAR Protein NOSTRIN Dictates the Localization of the Muscarinic M3 Receptor and Regulates Cardiovascular Function. <i>Circulation Research</i> , 2015, 117, 460-469.	2.0	15

#	ARTICLE	IF	CITATIONS
253	The soluble epoxide hydrolase determines cholesterol homeostasis by regulating AMPK and SREBP activity. <i>Prostaglandins and Other Lipid Mediators</i> , 2016, 125, 30-39.	1.0	15
254	Mitochondrial fragmentation in human macrophages attenuates palmitate-induced inflammatory responses. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2018, 1863, 433-446.	1.2	15
255	The Role of Calpain in Diabetes-Associated Platelet Hyperactivation. <i>Advances in Pharmacology</i> , 2010, 59, 235-257.	1.2	14
256	Molecular pharmacological profile of a novel thiazolinone-based direct and selective 5α-reductase inhibitor. <i>British Journal of Pharmacology</i> , 2012, 165, 2304-2313.	2.7	14
257	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> , 2014, 225, 539-547.	0.9	14
258	Zeb1-Hdac2-eNOS circuitry identifies early cardiovascular precursors in naive mouse embryonic stem cells. <i>Nature Communications</i> , 2018, 9, 1281.	5.8	14
259	Role of the angiotensin-converting enzyme in the G-CSF-induced mobilization of progenitor cells. <i>Basic Research in Cardiology</i> , 2018, 113, 18.	2.5	14
260	Thrombin receptor expression is increased by angiotensin II in cultured and native vascular smooth muscle cells. <i>Cardiovascular Research</i> , 1998, 38, 263-271.	1.8	13
261	Biology of Nitric Oxide Synthases. , 2008, , 56-80.		13
262	Complementary Screening Techniques Yielded Fragments that Inhibit the Phosphatase Activity of Soluble Epoxide Hydrolase. <i>ChemMedChem</i> , 2011, 6, 2146-2149.	1.6	13
263	Redox Control of Renal Metabolism and Transport Function by the NADPH Oxidase Nox4. <i>Free Radical Biology and Medicine</i> , 2017, 112, 174.	1.3	13
264	Epigenetic control of the angiotensin-converting enzyme in endothelial cells during inflammation. <i>PLoS ONE</i> , 2019, 14, e0216218.	1.1	13
265	Platelet-derived calpain cleaves the endothelial protease-activated receptor 1 to induce vascular inflammation in diabetes. <i>Basic Research in Cardiology</i> , 2020, 115, 75.	2.5	13
266	Endothelium-Derived Hyperpolarizing Factor, But Not Nitric Oxide, Is Reversibly Inhibited by Brefeldin A. <i>Hypertension</i> , 1997, 30, 1598-1605.	1.3	13
267	Vascular cytochrome P450 in the regulation of renal function and vascular tone: EDHF, superoxide anions and blood pressure. <i>Nephrology Dialysis Transplantation</i> , 2001, 16, 1309-1311.	0.4	12
268	Brain in the Brawn. <i>Circulation Research</i> , 2003, 93, 586-588.	2.0	12
269	A Modified Aortic Ring Assay to Assess Angiogenic Potential In Vitro. <i>Methods in Molecular Biology</i> , 2016, 1430, 205-219.	0.4	12
270	Role of Müller cell cytochrome P450 2c44 in murine retinal angiogenesis. <i>Prostaglandins and Other Lipid Mediators</i> , 2017, 133, 93-102.	1.0	12

#	ARTICLE	IF	CITATIONS
271	Association between arginase-containing platelet-derived microparticles and altered plasma arginine metabolism in polycystic ovary syndrome. <i>Metabolism: Clinical and Experimental</i> , 2019, 90, 16-19.	1.5	12
272	Secreted modular calcium-binding protein 1 binds and activates thrombin to account for platelet hyperreactivity in diabetes. <i>Blood</i> , 2021, 137, 1641-1651.	0.6	12
273	One miR Level of Control. <i>Hypertension</i> , 2012, 60, 1381-1382.	1.3	11
274	Effects of soluble CPE on glioma cell migration are associated with mTOR activation and enhanced glucose flux. <i>Oncotarget</i> , 2017, 8, 67567-67591.	0.8	11
275	Platelet communication with the vascular wall: role of platelet-derived microparticles and non-coding RNAs. <i>Clinical Science</i> , 2018, 132, 1875-1888.	1.8	11
276	Phosphatidylserine Synthase PTDSS1 Shapes the Tumor Lipidome to Maintain Tumor-Promoting Inflammation. <i>Cancer Research</i> , 2022, 82, 1617-1632.	0.4	11
277	Pathophysiology of Chronic Venous Insufficiency. <i>Phlebology</i> , 1996, 11, 16-22.	0.6	10
278	New Lipid Mediators in Retinal Angiogenesis and Retinopathy. <i>Frontiers in Pharmacology</i> , 2019, 10, 739.	1.6	10
279	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> , 2020, 117, 5923-5930.	3.3	10
280	Disruption of Prostaglandin E2 Signaling in Cancer-Associated Fibroblasts Limits Mammary Carcinoma Growth but Promotes Metastasis. <i>Cancer Research</i> , 2022, 82, 1380-1395.	0.4	10
281	Endothelial nitric oxide synthase (eNOS) in platelets: how is it regulated and what is it doing there?. <i>Pharmacological Reports</i> , 2005, 57 Suppl, 59-65.	1.5	10
282	Myeloid-Specific Deletion of the AMPK α 2 Subunit Alters Monocyte Protein Expression and Atherogenesis. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3005.	1.8	9
283	Regulation of calpain 2 expression by miR-223 and miR-145. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2019, 1862, 194438.	0.9	9
284	Effects of macitentan and tadalafil monotherapy or their combination on the right ventricle and plasma metabolites in pulmonary hypertensive rats. <i>Pulmonary Circulation</i> , 2020, 10, 1-16.	0.8	9
285	MicroRNA-124 Alleviates Retinal Vasoregression via Regulating Microglial Polarization. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11068.	1.8	9
286	Cytochrome P450-derived fatty acid epoxides and diols in angiogenesis and stem cell biology. , 2022, 234, 108049.		9
287	The histone demethylase Jarid1b mediates angiotensin II-induced endothelial dysfunction by controlling the 3'UTR of soluble epoxide hydrolase. <i>Acta Physiologica</i> , 2019, 225, e13168.	1.8	8
288	Redox Regulation of Calpains: Consequences on Vascular Function. <i>Antioxidants and Redox Signaling</i> , 2019, 30, 1011-1026.	2.5	8

#	ARTICLE	IF	CITATIONS
289	Phosphodiesterases S-sulfhydration contributes to human skeletal muscle function.. Pharmacological Research, 2022, 177, 106108.	3.1	8
290	Cirrhosis serum induces a nitric oxide-associated vascular hyporeactivity of aortic segments from healthy rats in vitro. European Journal of Gastroenterology and Hepatology, 2001, 13, 957-962.	0.8	7
291	A Novel APJ Signaling Cascade That Regulates Cardiovascular Development. Circulation Research, 2013, 113, 4-6.	2.0	7
292	The role of eNOS on the compensatory regulation of vascular tonus by H ₂ S in mouse carotid arteries. Nitric Oxide - Biology and Chemistry, 2017, 69, 45-50.	1.2	7
293	Combined Cardioprotective and Adipocyte Browning Effects Promoted by the Eutomer of Dual sEH/PPAR β Modulator. Journal of Medicinal Chemistry, 2021, 64, 2815-2828.	2.9	7
294	Renal cell carcinoma alters endothelial receptor expression responsible for leukocyte adhesion. Oncotarget, 2016, 7, 20410-20424.	0.8	7
295	Realizing Its Potential. Circulation Research, 2006, 99, 462-464.	2.0	6
296	Activation of Adenosine-Monophosphate-Activated Protein Kinase Abolishes Desflurane-Induced Preconditioning Against Myocardial Infarction In Vivo. Journal of Cardiothoracic and Vascular Anesthesia, 2011, 25, 66-71.	0.6	6
297	Can erythrocytes release biologically active NO?. Cell Communication and Signaling, 2016, 14, 22.	2.7	6
298	IL27R β Deficiency Alters Endothelial Cell Function and Subverts Tumor Angiogenesis in Mammary Carcinoma. Frontiers in Oncology, 2019, 9, 1022.	1.3	6
299	Protective effect of Soluble Epoxide Hydrolase Inhibition in Retinal Vasculopathy associated with Polycystic Kidney Disease. Theranostics, 2020, 10, 7857-7871.	4.6	6
300	The Consequences of Soluble Epoxide Hydrolase Deletion on Tumorigenesis and Metastasis in a Mouse Model of Breast Cancer. International Journal of Molecular Sciences, 2021, 22, 7120.	1.8	6
301	The Physiology of Nitric Oxide: Control and Consequences. Current Medicinal Chemistry Anti-inflammatory & Anti-allergy Agents, 2004, 3, 189-205.	0.4	6
302	AGMO Inhibitor Reduces 3T3-L1 Adipogenesis. Cells, 2021, 10, 1081.	1.8	5
303	Kinin-Mediated Activation of Endothelial NO Formation: Possible Role during Myocardial Ischemia. , 1995, 45, 119-127.		5
304	Effect of Thrombin on the Metabolism and Function of Murine Macrophages. Cells, 2022, 11, 1718.	1.8	5
305	To Move or Not To Move?. Circulation Research, 2002, 90, 936-938.	2.0	4
306	Cyclin Y Is Expressed in Platelets and Modulates Integrin Outside-in Signaling. International Journal of Molecular Sciences, 2020, 21, 8239.	1.8	4

#	ARTICLE	IF	CITATIONS
307	Endothelium-Derived Hyperpolarizing Factor and Its Interaction with NO. , 2000, , 569-583.		4
308	Activation of NOS by Ca ²⁺ -Dependent and Ca ²⁺ -Independent Mechanisms. , 2000, , 621-632.		4
309	Identification of a cis -Element Regulating Transcriptional Activity in Response to Fluid Shear Stress in Bovine Aortic Endothelial Cells. Endothelium: Journal of Endothelial Cell Research, 2003, 10, 267-275.	1.7	3
310	Segregation and integration: roles played by caveolae and caveolins in the cardiovascular system. Cardiovascular Research, 2006, 69, 784-787.	1.8	3
311	Double Tribble. Arteriosclerosis, Thrombosis, and Vascular Biology, 2008, 28, 1216-1218.	1.1	3
312	Annexing AXL. Circulation Research, 2016, 119, 1149-1150.	2.0	3
313	Human platelets are a source of collagen I. Haematologica, 2021, 106, 899-902.	1.7	3
314	Loss of Endothelial Cytochrome P450 Reductase Induces Vascular Dysfunction in Mice. Hypertension, 2022, 79, 1216-1226.	1.3	3
315	EDHE: Update on a alternative vasodilator with potential renal significance. Nephrology Dialysis Transplantation, 1998, 13, 2721-2723.	0.4	2
316	A critical look at cardiovascular translational research. American Journal of Physiology - Heart and Circulatory Physiology, 1999, 277, H1655-H1660.	1.5	2
317	NO Signaling Defects in Hypertension. , 2017, , 301-311.		2
318	Apoptotic Cells induce Proliferation of Peritoneal Macrophages. International Journal of Molecular Sciences, 2021, 22, 2230.	1.8	2
319	Identification of a cis -Element Regulating Transcriptional Activity in Response to Fluid Shear Stress in Bovine Aortic Endothelial Cells. Endothelium: Journal of Endothelial Cell Research, 2003, 10, 267-275.	1.7	2
320	Development and Characterization of a Fluorescent Ligand for Leukotriene B4 Receptor 2 in Cells and Tissues. Journal of Medicinal Chemistry, 2022, 65, 2023-2034.	2.9	2
321	Incubation with endotoxin (ETX) induces vascular hyporeactivity which is reversed by NGmonomethyl-L-arginine (L-NMMA). Journal of Molecular and Cellular Cardiology, 1990, 22, S10.	0.9	1
322	Rudi Busse (1943â€“2007). Circulation Research, 2007, 101, 431-432.	2.0	1
323	Energy and motion: AMP-activated protein kinaseÂ±1 and its role in platelet activation. Journal of Thrombosis and Haemostasis, 2014, 12, 970-972.	1.9	1
324	Translating GWAS Into the Flow-Regulated Modulation of Lipid Mediator Signaling. Circulation Research, 2015, 117, 302-304.	2.0	1

#	ARTICLE	IF	CITATIONS
325	Response to Pagano et al.. Antioxidants and Redox Signaling, 2015, 23, 1247-1249.	2.5	1
326	Who is afraid of being a reviewer? An A-Z of tips and tricks for peer review. Cardiovascular Research, 2021, 117, e104-e105.	1.8	1
327	Cyp2c44 epoxygenase-derived epoxyeicosatrienoic acids in vascular smooth muscle cells elicit vasoconstriction of the murine ophthalmic artery. Scientific Reports, 2021, 11, 18764.	1.6	1
328	Vascular Effects of NO. , 1997, , 161-175.		1
329	Role of the soluble epoxide hydrolase in the hair follicle stem cell homeostasis and hair growth. Pflugers Archiv European Journal of Physiology, 2022, 474, 1021-1035.	1.3	1
330	Paracrine functions of the coronary vascular endothelium. , 1996, , 137-145.		0
331	Rudi Busse. Journal of Cardiovascular Pharmacology, 2007, 50, 223-224.	0.8	0
332	Lipid Signaling Mediators ~mEET~™ TRP Channels: Highlighted Presentations From the March 2010 Winter Eicosanoid Conference. Journal of Cardiovascular Pharmacology, 2011, 57, 131-132.	0.8	0
333	Cytochrome P450-Derived Lipid Mediators and Vascular Responses. , 2015, , 209-231.		0
334	A prickly situation: competitive antagonism by different hedgehog proteins. Cardiovascular Research, 2021, 117, 2411-2413.	1.8	0
335	Angiotensin converting enzyme (ACE) inhibitors elicit the dimerization of ACE: an essential step for ACE~dependent signaling in endothelial cells. FASEB Journal, 2006, 20, A1110.	0.2	0
336	Regulation of the soluble epoxide hydrolase by peroxyxynitrite. FASEB Journal, 2008, 22, 479.14.	0.2	0
337	sEH~deficiency attenuates neointima formation in the femoral artery cuff model of hyperlipidemic mice. FASEB Journal, 2009, 23, 934.4.	0.2	0
338	Angiotensin II impairs endothelial function via tyrosine phosphorylation of the endothelial nitric oxide synthase. Journal of Cell Biology, 2009, 187, i10-i10.	2.3	0
339	12,13~dihydroxyoctadecenoic acid regulates hematopoietic stem cell and progenitor cell function in zebrafish and mouse. FASEB Journal, 2012, 26, lb218.	0.2	0
340	M~4lller glia cells regulate Notch signaling and retinal angiogenesis via the generation of 19,20-dihydroxydocosapentaenoic acid. Journal of Cell Biology, 2014, 204, 2043OIA18.	2.3	0