

# Michael A Hill

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/4528593/michael-a-hill-publications-by-year.pdf>

**Version:** 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

156  
papers

6,393  
citations

42  
h-index

76  
g-index

167  
ext. papers

7,574  
ext. citations

5.9  
avg, IF

6.21  
L-index

#	Paper	IF	Citations
156	Smooth muscle mineralocorticoid receptor as an epigenetic regulator of vascular aging.. <i>Cardiovascular Research</i> , <b>2022</b> ,	9.9	2
155	Endothelial sodium channel activation mediates DOCA-salt-induced endothelial cell and arterial stiffening.. <i>Metabolism: Clinical and Experimental</i> , <b>2022</b> , 130, 155165	12.7	0
154	Inhibition of sphingomyelinase attenuates diet - Induced increases in aortic stiffness.. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2022</b> , 167, 32-39	5.8	0
153	Obesity, Adipose Tissue and Vascular Dysfunction. <i>Circulation Research</i> , <b>2021</b> , 128, 951-968	15.7	31
152	Insulin resistance, cardiovascular stiffening and cardiovascular disease. <i>Metabolism: Clinical and Experimental</i> , <b>2021</b> , 119, 154766	12.7	24
151	Commentary: COVID-19 and obesity pandemics converge into a syndemic requiring urgent and multidisciplinary action. <i>Metabolism: Clinical and Experimental</i> , <b>2021</b> , 114, 154408	12.7	21
150	Mechanisms underlying vascular stiffening in obesity, insulin resistance, and type 2 diabetes <b>2021</b> , 63-88		
149	Role of the vascular endothelial sodium channel activation in the genesis of pathologically increased cardiovascular stiffness. <i>Cardiovascular Research</i> , <b>2020</b> ,	9.9	8
148	Measurement of Pulse Propagation Velocity, Distensibility and Strain in an Abdominal Aortic Aneurysm Mouse Model. <i>Journal of Visualized Experiments</i> , <b>2020</b> ,	1.6	5
147	Commentary: COVID-19 in patients with diabetes. <i>Metabolism: Clinical and Experimental</i> , <b>2020</b> , 107, 1542177	12.7	89
146	Endothelial sodium channel activation promotes cardiac stiffness and diastolic dysfunction in Western diet fed female mice. <i>Metabolism: Clinical and Experimental</i> , <b>2020</b> , 109, 154223	12.7	7
145	Discovery of novel L-type voltage-gated calcium channel blockers and application for the prevention of inflammation and angiogenesis. <i>Journal of Neuroinflammation</i> , <b>2020</b> , 17, 132	10.1	11
144	Regulation of blood flow in small arteries: mechanosensory events underlying myogenic vasoconstriction. <i>Journal of Exercise Rehabilitation</i> , <b>2020</b> , 16, 207-215	1.8	7
143	Covid-19 and Disparities in Nutrition and Obesity. <i>New England Journal of Medicine</i> , <b>2020</b> , 383, e69	59.2	108
142	Western diet induces renal artery endothelial stiffening that is dependent on the epithelial Na channel. <i>American Journal of Physiology - Renal Physiology</i> , <b>2020</b> , 318, F1220-F1228	4.3	9
141	Mineralocorticoid antagonists and ENaC inhibitors in hyperaldosteronism. <i>Journal of Clinical Hypertension</i> , <b>2019</b> , 21, 929-931	2.3	2
140	TRPV4 increases cardiomyocyte calcium cycling and contractility yet contributes to damage in the aged heart following hypoosmotic stress. <i>Cardiovascular Research</i> , <b>2019</b> , 115, 46-56	9.9	29

139	Epithelial sodium channels in endothelial cells mediate diet-induced endothelium stiffness and impaired vascular relaxation in obese female mice. <i>Metabolism: Clinical and Experimental</i> , <b>2019</b> , 99, 57-66	12.7	26
138	Age-Related Changes in Skeletal Muscle and Small Mesenteric Arterial Function in Spontaneously Hypertensive Rats. <i>FASEB Journal</i> , <b>2019</b> , 33, lb456	0.9	
137	Sexual Dimorphism in Obesity-Associated Endothelial ENaC Activity and Stiffening in Mice. <i>Endocrinology</i> , <b>2019</b> , 160, 2918-2928	4.8	10
136	Diabetic Cardiomyopathy: An Update of Mechanisms Contributing to This Clinical Entity. <i>Circulation Research</i> , <b>2018</b> , 122, 624-638	15.7	613
135	Quantification of elastin-fiber reticulation in rat mesenteric arterioles using molecular dynamics optimization. <i>Biomedical Physics and Engineering Express</i> , <b>2018</b> , 4, 035029	1.5	
134	Depletion of dendritic cells in perivascular adipose tissue improves arterial relaxation responses in type 2 diabetic mice. <i>Metabolism: Clinical and Experimental</i> , <b>2018</b> , 85, 76-89	12.7	12
133	Enhanced endothelium epithelial sodium channel signaling prompts left ventricular diastolic dysfunction in obese female mice. <i>Metabolism: Clinical and Experimental</i> , <b>2018</b> , 78, 69-79	12.7	28
132	Role of Renin-Angiotensin-Aldosterone System Activation in Promoting Cardiovascular Fibrosis and Stiffness. <i>Hypertension</i> , <b>2018</b> , 72, 537-548	8.5	56
131	Epithelial Sodium Channel in Aldosterone-Induced Endothelium Stiffness and Aortic Dysfunction. <i>Hypertension</i> , <b>2018</b> , 72, 731-738	8.5	40
130	Arteriolar vasodilation involves actin depolymerization. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2018</b> , 315, H423-H428	5.2	1
129	Alterations to Protein Level and Cellular Location of the BKCa $\beta$ Subunit in the Coronary Vasculature are Dependent on Sex Hormones, Metabolic Status, and Species: A Retrospective Study in Multiple Swine Models of Pressure Overload-Induced Heart Failure. <i>FASEB Journal</i> , <b>2018</b> , 32, 579.2	0.9	
128	Estrogen receptor alpha mediated activation of the endothelial epithelial sodium channel: role in the genesis of arterial stiffness. <i>FASEB Journal</i> , <b>2018</b> , 32, 846.7	0.9	
127	A Calcium Mediated Mechanism Coordinating Vascular Smooth Muscle Cell Adhesion During KCl Activation. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 1810	4.6	6
126	Chronic interval exercise training prevents BK channel-mediated coronary vascular dysfunction in aortic-banded miniswine. <i>Journal of Applied Physiology</i> , <b>2018</b> , 125, 86-96	3.7	12
125	Alpha -adrenergic stimulation selectively enhances endothelium-mediated vasodilation in rat cremaster arteries. <i>Physiological Reports</i> , <b>2018</b> , 6, e13703	2.6	8
124	N-Cadherin, a novel and rapidly remodelling site involved in vasoregulation of small cerebral arteries. <i>Journal of Physiology</i> , <b>2017</b> , 595, 1987-2000	3.9	8
123	Nonenzymatic glycation interferes with fibronectin-integrin interactions in vascular smooth muscle cells. <i>Microcirculation</i> , <b>2017</b> , 24, e12347	2.9	9
122	Angiotensin II Type 1 Receptor Mechanoactivation Involves RGS5 (Regulator of G Protein Signaling 5) in Skeletal Muscle Arteries: Impaired Trafficking of RGS5 in Hypertension. <i>Hypertension</i> , <b>2017</b> , 70, 1264-1272	8.5	19

121	Interaction of IL-6 and TNF- $\alpha$ contributes to endothelial dysfunction in type 2 diabetic mouse hearts. <i>PLoS ONE</i> , <b>2017</b> , 12, e0187189	3.7	46
120	Mechanical activation of angiotensin II type 1 receptors causes actin remodelling and myogenic responsiveness in skeletal muscle arterioles. <i>Journal of Physiology</i> , <b>2016</b> , 594, 7027-7047	3.9	40
119	Small Artery Elastin Distribution and Architecture-Focus on Three Dimensional Organization. <i>Microcirculation</i> , <b>2016</b> , 23, 614-620	2.9	11
118	Inherent rhythm of smooth muscle cells in rat mesenteric arterioles: An eigensystem formulation. <i>Physical Review E</i> , <b>2016</b> , 93, 042415	2.4	0
117	Oxidant signaling underlies PKGI $\beta$ modulation of Ca <sup>2+</sup> sparks and BKCa in myogenically active arterioles. <i>Science Signaling</i> , <b>2016</b> , 9, fs15	8.8	3
116	Adiponectin Receptor Agonist, AdipoRon, Causes Vasorelaxation Predominantly Via a Direct Smooth Muscle Action. <i>Microcirculation</i> , <b>2016</b> , 23, 207-20	2.9	25
115	Brief serotonin exposure initiates arteriolar inward remodeling processes in vivo that involve transglutaminase activation and actin cytoskeleton reorganization. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2016</b> , 310, H188-98	5.2	7
114	Vascular mineralocorticoid receptor regulates microRNA-155 to promote vasoconstriction and rising blood pressure with aging. <i>JCI Insight</i> , <b>2016</b> , 1, e88942	9.9	57
113	Regional Variation in Arterial Myogenic Responsiveness: Links to Potassium Channel Diversity/Function <b>2016</b> , 131-152		
112	Arterial Stiffening in Western Diet-Fed Mice Is Associated with Increased Vascular Elastin, Transforming Growth Factor- $\beta$ and Plasma Neuraminidase. <i>Frontiers in Physiology</i> , <b>2016</b> , 7, 285	4.6	24
111	Small artery mechanobiology: Roles of cellular and non-cellular elements. <i>Microcirculation</i> , <b>2016</b> , 23, 611-613	2.9	12
110	Lymphatic vascular integrity is disrupted in type 2 diabetes due to impaired nitric oxide signalling. <i>Cardiovascular Research</i> , <b>2015</b> , 107, 89-97	9.9	79
109	Endothelial Mineralocorticoid Receptors Differentially Contribute to Coronary and Mesenteric Vascular Function Without Modulating Blood Pressure. <i>Hypertension</i> , <b>2015</b> , 66, 988-97	8.5	72
108	Augmented vascular smooth muscle cell stiffness and adhesion when hypertension is superimposed on aging. <i>Hypertension</i> , <b>2015</b> , 65, 370-7	8.5	76
107	Regulation of Coronary Endothelial Function by Interactions between TNF- $\alpha$ /LOX-1 and Adiponectin in Apolipoprotein E Knockout Mice. <i>Journal of Vascular Research</i> , <b>2015</b> , 52, 372-82	1.9	6
106	A very unusual complication of amniocentesis. <i>Clinical Case Reports (discontinued)</i> , <b>2015</b> , 3, 345-8	0.7	2
105	Heterogeneity in Kv7 channel function in the cerebral and coronary circulation. <i>Microcirculation</i> , <b>2015</b> , 22, 109-121	2.9	22
104	Disconnect between adipose tissue inflammation and cardiometabolic dysfunction in Ossabaw pigs. <i>Obesity</i> , <b>2015</b> , 23, 2421-9	8	26

103	Inhibition of Myogenic Tone in Rat Cremaster and Cerebral Arteries by SKA-31, an Activator of Endothelial KCa <sub>2.3</sub> and KCa <sub>3.1</sub> Channels. <i>Journal of Cardiovascular Pharmacology</i> , <b>2015</b> , 66, 118-27	3.1	15
102	Recruitment of RGS5 Protein to Mechanically Activated AT1R in Arteriolar VSMC. <i>FASEB Journal</i> , <b>2015</b> , 29, 636.5	0.9	
101	Large conductance Ca <sup>2+</sup> -activated K <sup>+</sup> channel (BKCa) $\beta$ subunit splice variants in resistance arteries from rat cerebral and skeletal muscle vasculature. <i>PLoS ONE</i> , <b>2014</b> , 9, e98863	3.7	13
100	Mechanotransduction and the Myogenic Response in Diabetes. <i>Studies in Mechanobiology, Tissue Engineering and Biomaterials</i> , <b>2014</b> , 233-270	0.5	
99	Aldosterone and vascular mineralocorticoid receptors: regulators of ion channels beyond the kidney. <i>Hypertension</i> , <b>2014</b> , 63, 632-7	8.5	31
98	Autoimmune basis for postural tachycardia syndrome. <i>Journal of the American Heart Association</i> , <b>2014</b> , 3, e000755	6	140
97	N-cadherin, a vascular smooth muscle cell-cell adhesion molecule: function and signaling for vasomotor control. <i>Microcirculation</i> , <b>2014</b> , 21, 208-18	2.9	22
96	Vasoactive agonists exert dynamic and coordinated effects on vascular smooth muscle cell elasticity, cytoskeletal remodelling and adhesion. <i>Journal of Physiology</i> , <b>2014</b> , 592, 1249-66	3.9	38
95	Exogenous diacylglycerol restores arteriolar myogenic constriction following candesartan (664.10). <i>FASEB Journal</i> , <b>2014</b> , 28, 664.10	0.9	
94	Should we be sympathetic to angiotensin II infusion?. <i>Journal of Physiology</i> , <b>2013</b> , 591, 5269-70	3.9	
93	Measurement of changes in endothelial and smooth muscle Ca <sup>2+</sup> in pressurized arteries. <i>Methods in Molecular Biology</i> , <b>2013</b> , 937, 229-38	1.4	1
92	Vascular transcriptional alterations produced by juvenile obesity in Ossabaw swine. <i>Physiological Genomics</i> , <b>2013</b> , 45, 434-46	3.6	30
91	Advanced glycation end products acutely impair Ca <sup>2+</sup> signaling in bovine aortic endothelial cells. <i>Frontiers in Physiology</i> , <b>2013</b> , 4, 38	4.6	13
90	Mechanisms underlying regional differences in the Ca <sup>2+</sup> sensitivity of BK(Ca) current in arteriolar smooth muscle. <i>Journal of Physiology</i> , <b>2013</b> , 591, 1277-93	3.9	33
89	Ca <sup>2+</sup> sensitization due to myosin light chain phosphatase inhibition and cytoskeletal reorganization in the myogenic response of skeletal muscle resistance arteries. <i>Journal of Physiology</i> , <b>2013</b> , 591, 1235-50	3.9	53
88	Development of the elastin network in the walls of resistance arteries from neonatal and adult rats. <i>FASEB Journal</i> , <b>2013</b> , 27, 679.8	0.9	
87	Topical application of Serotonin + L-NAME in vivo induces inward remodeling of the rat cremasteric 1A arteriole via a mechanism that is antagonized by the addition of cystamine, a competitive inhibitor of transglutaminase II. <i>FASEB Journal</i> , <b>2013</b> , 27, 1b657	0.9	
86	Angiotensin II-independent Activation of AT1 Receptors in Skeletal Muscle Arterioles. <i>FASEB Journal</i> , <b>2013</b> , 27, 678.13	0.9	

85	Myogenic Tone and Mechanotransduction <b>2012</b> , 1243-1257		0
84	Autoantibody activation of beta-adrenergic and muscarinic receptors contributes to an "autoimmune" orthostatic hypotension. <i>Journal of the American Society of Hypertension</i> , <b>2012</b> , 6, 40-7		31
83	Local Control of Microvascular Perfusion. <i>Colloquium Series on Integrated Systems Physiology From Molecule To Function</i> , <b>2012</b> , 4, 1-148		1
82	Temporal analysis of vascular smooth muscle cell elasticity and adhesion reveals oscillation waveforms that differ with aging. <i>Aging Cell</i> , <b>2012</b> , 11, 741-50	9.9	60
81	G protein coupled receptor transactivation: extending the paradigm to include serine/threonine kinase receptors. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2012</b> , 44, 722-7	5.6	25
80	Arteriolar vascular smooth muscle cells: mechanotransducers in a complex environment. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2012</b> , 44, 1505-10	5.6	53
79	Direct regulation of blood pressure by smooth muscle cell mineralocorticoid receptors. <i>Nature Medicine</i> , <b>2012</b> , 18, 1429-33	50.5	240
78	Adiponectin abates diabetes-induced endothelial dysfunction by suppressing oxidative stress, adhesion molecules, and inflammation in type 2 diabetic mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2012</b> , 303, H106-15	5.2	46
77	Does C-reactive protein contribute to atherothrombosis via oxidant-mediated release of pro-thrombotic factors and activation of platelets?. <i>Frontiers in Physiology</i> , <b>2012</b> , 3, 433	4.6	15
76	Hydrogen sulfide preconditioning or neutrophil depletion attenuates ischemia-reperfusion-induced mitochondrial dysfunction in rat small intestine. <i>American Journal of Physiology - Renal Physiology</i> , <b>2012</b> , 302, G44-54	5.1	45
75	Agonistic autoantibodies as vasodilators in orthostatic hypotension: a new mechanism. <i>Hypertension</i> , <b>2012</b> , 59, 402-8	8.5	40
74	Passive pressure-diameter relationship and structural composition of rat mesenteric lymphangions. <i>Lymphatic Research and Biology</i> , <b>2012</b> , 10, 152-63	2.3	30
73	Exercise Training Improves Coronary Microvascular Arteriolar Function in Familial Hypercholesterolemia Porcine Model via Nrf2. <i>FASEB Journal</i> , <b>2012</b> , 26, 1138.24	0.9	
72	Age-Related Changes in the Expression of Elastin in Small cerebral and Mesenteric Arteries. <i>FASEB Journal</i> , <b>2012</b> , 26, 861.4	0.9	
71	Inflammation, but not oxidative stress or apoptosis, predominates in atherosclerosis-associated endothelial dysfunction in juvenile Ossabaw pigs with metabolic syndrome. <i>FASEB Journal</i> , <b>2012</b> , 26, 1055.1	0.9	
70	Spatial distribution and mechanical function of elastin in resistance arteries: a role in bearing longitudinal stress. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2011</b> , 31, 2889-96	9.4	59
69	Development of an image-based system for measurement of membrane potential, intracellular Ca(2+) and contraction in arteriolar smooth muscle cells. <i>Microcirculation</i> , <b>2010</b> , 17, 629-40	2.9	4
68	N-cadherin and integrin blockade inhibit arteriolar myogenic reactivity but not pressure-induced increases in intracellular Ca. <i>Frontiers in Physiology</i> , <b>2010</b> , 1, 165	4.6	16

67	The Plastic Nature of the Vascular Wall: Reply to Folkow. <i>Physiology</i> , <b>2010</b> , 25, 266-267	9.8	
66	Antecedent hydrogen sulfide elicits an anti-inflammatory phenotype in postischemic murine small intestine: role of BK channels. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2010</b> , 299, H1554-67	5.2	40
65	Large conductance, Ca <sup>2+</sup> -activated K <sup>+</sup> channels (BKCa) and arteriolar myogenic signaling. <i>FEBS Letters</i> , <b>2010</b> , 584, 2033-42	3.8	91
64	The Plastic Nature of the Vascular Wall: Reply to Lee, Sandow, and DeMay. <i>Physiology</i> , <b>2009</b> , 24, 273-275	9.8	1
63	The plastic nature of the vascular wall: a continuum of remodeling events contributing to control of arteriolar diameter and structure. <i>Physiology</i> , <b>2009</b> , 24, 45-57	9.8	153
62	Openers of SKCa and IKCa channels enhance agonist-evoked endothelial nitric oxide synthesis and arteriolar vasodilation. <i>FASEB Journal</i> , <b>2009</b> , 23, 1138-45	0.9	69
61	Heterogeneity in function of small artery smooth muscle BKCa: involvement of the beta1-subunit. <i>Journal of Physiology</i> , <b>2009</b> , 587, 3025-44	3.9	58
60	Endothelium-dependent vasodilation in myogenically active mouse skeletal muscle arterioles: role of EDH and K(+) channels. <i>Microcirculation</i> , <b>2009</b> , 16, 377-90; 1 p following 390	2.9	19
59	Therapeutic potential of pharmacologically targeting arteriolar myogenic tone. <i>Trends in Pharmacological Sciences</i> , <b>2009</b> , 30, 363-74	13.2	64
58	Mechanisms underlying smooth muscle Ca <sup>2+</sup> waves in cremaster muscle arterioles. <i>FASEB Journal</i> , <b>2009</b> , 23, 767.8	0.9	5
57	Exploiting the cellular actions of SKCa and IKCa channels to manipulate endothelial function and vascular tone. <i>FASEB Journal</i> , <b>2009</b> , 23, 627.6	0.9	
56	Decreased activity of the smooth muscle Na <sup>+</sup> /Ca <sup>2+</sup> exchanger impairs arteriolar myogenic reactivity. <i>Journal of Physiology</i> , <b>2008</b> , 586, 1669-81	3.9	28
55	Local Regulation of Microvascular Perfusion <b>2008</b> , 161-284		7
54	Local Regulation of Microvascular Perfusion <b>2008</b> , 161-284		32
53	Extracellular matrix-specific focal adhesions in vascular smooth muscle produce mechanically active adhesion sites. <i>American Journal of Physiology - Cell Physiology</i> , <b>2008</b> , 295, C268-78	5.4	89
52	Role of Reactive Oxygen Species in Tumor Necrosis Factor-alpha Induced Endothelial Dysfunction. <i>Current Hypertension Reviews</i> , <b>2008</b> , 4, 245-255	2.3	96
51	Reduced EDHF responses and connexin activity in mesenteric arteries from the insulin-resistant obese Zucker rat. <i>Diabetologia</i> , <b>2008</b> , 51, 872-81	10.3	39
50	CADHERINS PLAY A ROLE IN ARTERIOLAR MYOGENIC RESPONSIVENESS. <i>FASEB Journal</i> , <b>2008</b> , 22, 1143	0.9	1

49	Diabetes and Oxidant Stress <b>2008</b> , 123-158		1
48	Endothelium-independent constriction of isolated, pressurized arterioles by Nomega-nitro-L-arginine methyl ester (L-NAME). <i>British Journal of Pharmacology</i> , <b>2007</b> , 151, 602-9	8.6	22
47	Coupling a change in intraluminal pressure to vascular smooth muscle depolarization: still stretching for an explanation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2007</b> , 292, H2570-2	5.2	14
46	Secretion of apolipoprotein E from macrophages occurs via a protein kinase A and calcium-dependent pathway along the microtubule network. <i>Circulation Research</i> , <b>2007</b> , 101, 607-16	15.7	27
45	Membrane cholesterol depletion with beta-cyclodextrin impairs pressure-induced contraction and calcium signalling in isolated skeletal muscle arterioles. <i>Journal of Vascular Research</i> , <b>2007</b> , 44, 292-302	1.9	20
44	New technologies for dissecting the arteriolar myogenic response. <i>Trends in Pharmacological Sciences</i> , <b>2007</b> , 28, 308-15	13.2	24
43	A role for heterocellular coupling and EETs in dilation of rat cremaster arteries. <i>Microcirculation</i> , <b>2006</b> , 13, 119-30	2.9	50
42	Arteriolar myogenic signalling mechanisms: Implications for local vascular function. <i>Clinical Hemorheology and Microcirculation</i> , <b>2006</b> , 34, 67-79	2.5	87
41	Myogenic contraction in rat skeletal muscle arterioles: smooth muscle membrane potential and Ca(2+) signaling. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2005</b> , 289, H1326-34	5.2	77
40	The vascular endothelium in diabetes: a practical target for drug treatment?. <i>Expert Opinion on Therapeutic Targets</i> , <b>2005</b> , 9, 101-17	6.4	18
39	Cytochrome P450 products and arachidonic acid-induced, non-store-operated, Ca2+ entry in cultured bovine endothelial cells. <i>Endothelium: Journal of Endothelial Cell Research</i> , <b>2005</b> , 12, 153-61		6
38	Acute mechanoadaptation of vascular smooth muscle cells in response to continuous arteriolar vasoconstriction: implications for functional remodeling. <i>FASEB Journal</i> , <b>2004</b> , 18, 708-10	0.9	112
37	Potassium channels and membrane potential in the modulation of intracellular calcium in vascular endothelial cells. <i>Journal of Cardiovascular Electrophysiology</i> , <b>2004</b> , 15, 598-610	2.7	42
36	Lipoproteins and diabetic microvascular complications. <i>Current Pharmaceutical Design</i> , <b>2004</b> , 10, 3395-418	3.3	74
35	Integrins as unique receptors for vascular control. <i>Journal of Vascular Research</i> , <b>2003</b> , 40, 211-33	1.9	144
34	Intraluminal pressure stimulates MAPK phosphorylation in arterioles: temporal dissociation from myogenic contractile response. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2003</b> , 285, H1764-73	5.2	23
33	Delayed arteriolar relaxation after prolonged agonist exposure: functional remodeling involving tyrosine phosphorylation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2003</b> , 285, H849-56	5.2	18
32	Approaches for introducing peptides into intact and functional arteriolar smooth muscle: manipulation of protein kinase-based signalling. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2003</b> , 30, 653-8	3	3



31	Mechanisms underlying pervanadate-induced contraction of rat cremaster muscle arterioles. <i>European Journal of Pharmacology</i> , <b>2002</b> , 442, 107-14	5.3	9
30	Matrix protein glycation impairs agonist-induced intracellular Ca <sup>2+</sup> signaling in endothelial cells. <i>Journal of Cellular Physiology</i> , <b>2002</b> , 193, 80-92	7	21
29	Cellular signalling in arteriolar myogenic constriction: involvement of tyrosine phosphorylation pathways. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2002</b> , 29, 612-9	3	31
28	Capacitative Ca(2+) entry in vascular endothelial cells is mediated via pathways sensitive to 2 aminoethoxydiphenyl borate and xestospongine C. <i>British Journal of Pharmacology</i> , <b>2002</b> , 135, 119-28	8.6	48
27	Regulation of ion channels by integrins. <i>Cell Biochemistry and Biophysics</i> , <b>2002</b> , 36, 41-66	3.2	55
26	Pharmacological evidence for capacitative Ca(2+) entry in cannulated and pressurized skeletal muscle arterioles. <i>British Journal of Pharmacology</i> , <b>2001</b> , 134, 247-56	8.6	38
25	Troglitazone, but not rosiglitazone, inhibits Na/H exchange activity and proliferation of macrovascular endothelial cells. <i>Journal of Diabetes and Its Complications</i> , <b>2001</b> , 15, 120-7	3.2	35
24	Invited review: arteriolar smooth muscle mechanotransduction: Ca(2+) signaling pathways underlying myogenic reactivity. <i>Journal of Applied Physiology</i> , <b>2001</b> , 91, 973-83	3.7	224
23	Integrins and mechanotransduction of the vascular myogenic response. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2001</b> , 280, H1427-33	5.2	132
22	Tyrosine phosphorylation following alterations in arteriolar intraluminal pressure and wall tension. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2001</b> , 281, H1047-56	5.2	21
21	Effects of mibefradil and nifedipine on arteriolar myogenic responsiveness and intracellular Ca(2+). <i>British Journal of Pharmacology</i> , <b>2000</b> , 131, 1065-72	8.6	36
20	Tyrosine phosphorylation modulates arteriolar tone but is not fundamental to myogenic response. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2000</b> , 278, H373-82	5.2	16
19	Transient increases in diameter and [Ca(2+)] <sub>i</sub> are not obligatory for myogenic constriction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2000</b> , 278, H345-52	5.2	45
18	Temporal aspects of Ca(2+) and myosin phosphorylation during myogenic and norepinephrine-induced arteriolar constriction. <i>Journal of Vascular Research</i> , <b>2000</b> , 37, 556-67	1.9	51
17	Signaling mechanisms underlying the vascular myogenic response. <i>Physiological Reviews</i> , <b>1999</b> , 79, 387-429	4.7	788
16	Alteration of microtubule polymerization modulates arteriolar vasomotor tone. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>1999</b> , 277, H100-6	5.2	39
15	Myogenic reactivity of rat epineurial arterioles: potential role in local vasoregulatory events. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>1999</b> , 277, H144-51	5.2	7
14	Impaired arteriolar mechanotransduction in experimental diabetes mellitus. <i>Journal of Diabetes and Its Complications</i> , <b>1999</b> , 13, 235-42	3.2	13

13	Normal blood flow response and vasomotion in the diabetic Charcot foot. <i>Journal of Diabetes and Its Complications</i> , <b>1998</b> , 12, 147-53	3.2	53
12	Interleukin-1 and interleukin-6 mediated skeletal muscle arteriolar vasodilation: in vitro versus in vivo studies. <i>Shock</i> , <b>1998</b> , 9, 210-5	3.4	48
11	Impairment of peripheral blood flow responses in diabetes resembles an enhanced aging effect. <i>Diabetes Care</i> , <b>1997</b> , 20, 1711-6	14.6	87
10	The effect of thyroid hormone supplementation on hemodynamic stability and survival in an endotoxin-induced model of physiologic stress. <i>Journal of Surgical Research</i> , <b>1996</b> , 61, 77-83	2.5	2
9	Endotoxin interacts with tumor necrosis factor-alpha to induce vasodilation of isolated rat skeletal muscle arterioles. <i>Shock</i> , <b>1996</b> , 5, 251-7	3.4	21
8	Impaired peripheral vasomotion in diabetes. <i>Diabetes Care</i> , <b>1996</b> , 19, 715-21	14.6	130
7	Lack of direct endotoxin-induced vasoactive effects on isolated skeletal muscle arterioles. <i>Shock</i> , <b>1995</b> , 3, 216-23	3.4	9
6	Arteriolar arcades and pressure distribution in cremaster muscle microcirculation. <i>Microvascular Research</i> , <b>1992</b> , 44, 117-24	3.7	25
5	Autoregulation and Resistance-Artery Function <b>1991</b> , 345-371		
4	Altered cremaster muscle hemodynamics due to disruption of the deferential feed vessels. <i>Microvascular Research</i> , <b>1990</b> , 39, 349-63	3.7	48
3	VITREOUS FLUOROPHOTOMETRY IN CHILDREN WITH TYPE I DIABETES MELLITUS. <i>Australian and New Zealand Journal of Ophthalmology</i> , <b>1984</b> , 12, 39-43		3
2	Erythrocyte membrane fluidity in type 1 diabetes mellitus. <i>Pathology</i> , <b>1983</b> , 15, 449-51	1.6	14
1	Factors influencing residual pancreatic beta cell function in recently diagnosed Type 1 diabetic children. <i>Journal of Paediatrics and Child Health</i> , <b>1982</b> , 18, 37-9	1.3	