

# Steven S Segal

## List of Publications by Year in Descending Order

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

135  
papers

4,871  
citations

40  
h-index

67  
g-index

163  
ext. papers

5,261  
ext. citations

4.2  
avg, IF

5.93  
L-index

#	Paper	IF	Citations
135	Endothelial cells promote smooth muscle cell resilience to H <sub>2</sub> O <sub>2</sub> -induced cell death in mouse cerebral arteries.. <i>Acta Physiologica</i> , <b>2022</b> , e13819	5.6	
134	Differential hyperpolarization to substance P and calcitonin gene-related peptide in smooth muscle versus endothelium of mouse mesenteric artery. <i>Microcirculation</i> , <b>2021</b> , 28, e12733	2.9	2
133	Apoptosis in resistance arteries induced by hydrogen peroxide: greater resilience of endothelium versus smooth muscle. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2021</b> , 320, H1625-H1633	5.2	53
132	Functionalizing biomaterials to promote neurovascular regeneration following skeletal muscle injury. <i>American Journal of Physiology - Cell Physiology</i> , <b>2021</b> , 320, C1099-C1111	5.4	1
131	Aging alters spontaneous and neurotransmitter-mediated Ca signaling in smooth muscle cells of mouse mesenteric arteries. <i>Microcirculation</i> , <b>2020</b> , 27, e12607	2.9	1
130	Female sex and Western-style diet protect mouse resistance arteries during acute oxidative stress. <i>American Journal of Physiology - Cell Physiology</i> , <b>2020</b> , 318, C627-C639	5.4	7
129	Advanced age protects resistance arteries of mouse skeletal muscle from oxidative stress through attenuating apoptosis induced by hydrogen peroxide. <i>Journal of Physiology</i> , <b>2019</b> , 597, 3801-3816	3.9	8
128	Barium chloride injures myofibers through calcium-induced proteolysis with fragmentation of motor nerves and microvessels. <i>Skeletal Muscle</i> , <b>2019</b> , 9, 27	5.1	22
127	Recovery of blood flow regulation in microvascular resistance networks during regeneration of mouse gluteus maximus muscle. <i>Journal of Physiology</i> , <b>2019</b> , 597, 1401-1417	3.9	5
126	Gene expression profiles of ion channels and receptors in mouse resistance arteries: Effects of cell type, vascular bed, and age. <i>Microcirculation</i> , <b>2018</b> , 25, e12452	2.9	4
125	Recovery of Functional Vasodilation During Skeletal Muscle Regeneration. <i>FASEB Journal</i> , <b>2018</b> , 32, 573.4.9		
124	Protective Effects of Diet and Sex on Cell Death and Intracellular Calcium in Resistance Arteries during Oxidative Stress. <i>FASEB Journal</i> , <b>2018</b> , 32, 845.3	0.9	
123	Biophysical properties of microvascular endothelium: Requirements for initiating and conducting electrical signals. <i>Microcirculation</i> , <b>2018</b> , 25, e12429	2.9	10
122	Microvascular mechanisms limiting skeletal muscle blood flow with advancing age. <i>Journal of Applied Physiology</i> , <b>2018</b> , 125, 1851-1859	3.7	8
121	Calcitonin gene-related peptide hyperpolarizes mouse pulmonary artery endothelial tubes through K channel activation. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2018</b> , 315, L212-L226	5.8	11
120	Increased amplitude of inward rectifier K currents with advanced age in smooth muscle cells of murine superior epigastric arteries. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2017</b> , 312, H1203-H1214	5.2	7
119	Impact of Aging on Calcium Signaling and Membrane Potential in Endothelium of Resistance Arteries: A Role for Mitochondria. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2017</b> , 72, 1627-1637	6.4	18

118	Rapid versus slow ascending vasodilatation: intercellular conduction versus flow-mediated signalling with tetanic versus rhythmic muscle contractions. <i>Journal of Physiology</i> , <b>2017</b> , 595, 7149-7165	3.9	18
117	Calcium and electrical dynamics in lymphatic endothelium. <i>Journal of Physiology</i> , <b>2017</b> , 595, 7347-7368	3.9	23
116	Depressed perivascular sensory innervation of mouse mesenteric arteries with advanced age. <i>Journal of Physiology</i> , <b>2016</b> , 594, 2323-38	3.9	18
115	Ion Channels in Control of Blood Flow: Electrical Conduction Along Endothelium of Resistance Arteries <b>2016</b> , 79-99		2
114	Attenuated rapid onset vasodilation with greater force production in skeletal muscle of caveolin-2 <sup>-/-</sup> mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2016</b> , 311, H415-25	5.2	4
113	Advanced age decreases local calcium signaling in endothelium of mouse mesenteric arteries in vivo. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2016</b> , 310, H1091-6	5.2	26
112	Enhanced functional sympatholysis through endothelial signalling in healthy young men and women. <i>Journal of Physiology</i> , <b>2016</b> , 594, 7149-7150	3.9	
111	Differential Adrenergic modulation of rapid onset vasodilatation along resistance networks of skeletal muscle in old versus young mice. <i>Journal of Physiology</i> , <b>2016</b> , 594, 6987-7004	3.9	11
110	Attenuated sarcomere lengthening of the aged murine left ventricle observed using two-photon fluorescence microscopy. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2015</b> , 309, H918-25	5.2	12
109	Membrane potential governs calcium influx into microvascular endothelium: integral role for muscarinic receptor activation. <i>Journal of Physiology</i> , <b>2015</b> , 593, 4531-48	3.9	26
108	Integration and Modulation of Intercellular Signaling Underlying Blood Flow Control. <i>Journal of Vascular Research</i> , <b>2015</b> , 52, 136-57	1.9	51
107	Advanced age protects microvascular endothelium from aberrant Ca <sup>2+</sup> influx and cell death induced by hydrogen peroxide. <i>Journal of Physiology</i> , <b>2015</b> , 593, 2155-69	3.9	26
106	Advanced Age Increases the Amplitude of ATP-sensitive K <sup>+</sup> Channel Currents in Murine Resistance Artery Smooth Muscle Cells. <i>FASEB Journal</i> , <b>2015</b> , 29, 786.1	0.9	
105	Blood flow restriction without sympathetic vasoconstriction in ageing skeletal muscle during exercise. <i>Journal of Physiology</i> , <b>2014</b> , 592, 4607-8	3.9	1
104	Aging alters reactivity of microvascular resistance networks in mouse gluteus maximus muscle. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2014</b> , 307, H830-9	5.2	28
103	Dantrolene suppresses spontaneous Ca <sup>2+</sup> release without altering excitation-contraction coupling in cardiomyocytes of aged mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2014</b> , 307, H818-29	5.2	14
102	Aging increases capacitance and spontaneous transient outward current amplitude of smooth muscle cells from murine superior epigastric arteries. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2014</b> , 306, H1512-24	5.2	13
101	Constitutive activation of Adrenoreceptors with advanced age impairs rapid onset vasodilation: key role for feed arteries (674.6). <i>FASEB Journal</i> , <b>2014</b> , 28, 674.6	0.9	

100	Aging impairs electrical conduction along endothelium of resistance arteries through enhanced Ca <sup>2+</sup> -activated K <sup>+</sup> channel activation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2013</b> , 33, 1892-901	8.4	58
99	β1-integrin is essential for vasoregulation and smooth muscle survival in vivo. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2013</b> , 33, 2325-35	9.4	15
98	Perivascular innervation: a multiplicity of roles in vasomotor control and myoendothelial signaling. <i>Microcirculation</i> , <b>2013</b> , 20, 217-38	2.9	58
97	Ageing alters perivascular nerve function of mouse mesenteric arteries in vivo. <i>Journal of Physiology</i> , <b>2013</b> , 591, 1251-63	3.9	19
96	Isolation of microvascular endothelial tubes from mouse resistance arteries. <i>Journal of Visualized Experiments</i> , <b>2013</b> , e50759	1.6	14
95	Aging increases the amplitude of spontaneous transient outward currents in murine resistance artery smooth muscle cells. <i>FASEB Journal</i> , <b>2013</b> , 27, 679.4	0.9	
94	Depolarization of collecting lymphatic endothelium with acetylcholine or TRPV4 activation. <i>FASEB Journal</i> , <b>2013</b> , 27, 678.3	0.9	
93	Altered electrical reactivity of endothelial tubes with aging: Role of mitochondria and Ca <sup>2+</sup> -activated K <sup>+</sup> channels. <i>FASEB Journal</i> , <b>2013</b> , 27, 679.1	0.9	
92	Aging alters reactivity of microvascular resistance networks in mouse skeletal muscle. <i>FASEB Journal</i> , <b>2013</b> , 27, 679.2	0.9	
91	Aging attenuates spontaneous endothelial Ca <sup>2+</sup> events with altered perivascular nerve function in mouse mesenteric arteries in vivo. <i>FASEB Journal</i> , <b>2013</b> , 27, 901.3	0.9	
90	Impaired Ca <sup>2+</sup> signaling following acutely elevated glucose in mouse endothelial cell tubes. <i>FASEB Journal</i> , <b>2013</b> , 27, 678.2	0.9	
89	Neurovascular proximity in the diaphragm muscle of adult mice. <i>Microcirculation</i> , <b>2012</b> , 19, 306-15	2.9	7
88	Electrical conduction along endothelial cell tubes from mouse feed arteries: confounding actions of glycyrrhetic acid derivatives. <i>British Journal of Pharmacology</i> , <b>2012</b> , 166, 774-87	8.6	44
87	Tuning electrical conduction along endothelial tubes of resistance arteries through Ca(2+)-activated K(+) channels. <i>Circulation Research</i> , <b>2012</b> , 110, 1311-21	15.7	56
86	Function and expression of ryanodine receptors and inositol 1,4,5-trisphosphate receptors in smooth muscle cells of murine feed arteries and arterioles. <i>Journal of Physiology</i> , <b>2012</b> , 590, 1849-69	3.9	46
85	Spreading the signal for vasodilatation: implications for skeletal muscle blood flow control and the effects of ageing. <i>Journal of Physiology</i> , <b>2012</b> , 590, 6277-84	3.9	36
84	Coordination of intercellular Ca(2+) signaling in endothelial cell tubes of mouse resistance arteries. <i>Microcirculation</i> , <b>2012</b> , 19, 757-70	2.9	23
83	Calcium and electrical signalling along endothelium of the resistance vasculature. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2012</b> , 110, 80-6	3.1	20

82	Tuning electrical conduction along endothelial cell tubes via Ca <sup>2+</sup> -activated K <sup>+</sup> channels. <i>FASEB Journal</i> , <b>2012</b> , 26, 1058.12	0.9	
81	Aging differentially alters calcium signals and myogenic tone in murine cremaster muscle feed arteries and downstream arterioles. <i>FASEB Journal</i> , <b>2012</b> , 26, 861.3	0.9	
80	Differential roles for $\alpha_1$ - versus $\alpha_2$ - adrenoceptor activation of mouse mesenteric arterial networks in vivo. <i>FASEB Journal</i> , <b>2012</b> , 26, 853.11	0.9	
79	Aging impairs electrical conduction along resistance artery endothelium via enhanced signal dissipation through KCa channels. <i>FASEB Journal</i> , <b>2012</b> , 26, 861.2	0.9	
78	Temperature effects on morphological integrity and Ca <sup>2+</sup> signaling in freshly isolated murine feed artery endothelial cell tubes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2011</b> , 301, H773-83	5.2	25
77	Microiontophoresis and micromanipulation for intravital fluorescence imaging of the microcirculation. <i>Journal of Visualized Experiments</i> , <b>2011</b> ,	1.6	2
76	The mouse cremaster muscle preparation for intravital imaging of the microcirculation. <i>Journal of Visualized Experiments</i> , <b>2011</b> ,	1.6	29
75	Intravital macrozoom imaging and automated analysis of endothelial cell calcium signals coincident with arteriolar dilation in Cx40(BAC) -GCaMP2 transgenic mice. <i>Microcirculation</i> , <b>2011</b> , 18, 331-8	2.9	13
74	Evidence for impaired neurovascular transmission in a murine model of Duchenne muscular dystrophy. <i>Journal of Applied Physiology</i> , <b>2011</b> , 110, 601-9	3.7	13
73	Visualizing calcium responses to acetylcholine convection along endothelium of arteriolar networks in Cx40BAC-GCaMP2 transgenic mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2011</b> , 301, H794-802	5.2	17
72	Frontiers in microcirculation: control processes and clinical applications. <i>Microcirculation</i> , <b>2010</b> , 17, 159-63	3.9	2
71	Blunting of rapid onset vasodilatation and blood flow restriction in arterioles of exercising skeletal muscle with ageing in male mice. <i>Journal of Physiology</i> , <b>2010</b> , 588, 2269-82	3.9	56
70	Regional activation of rapid onset vasodilatation in mouse skeletal muscle: regulation through $\beta$ adrenoreceptors. <i>Journal of Physiology</i> , <b>2010</b> , 588, 3321-31	3.9	34
69	Regional heterogeneity of $\beta$ adrenoreceptor subtypes in arteriolar networks of mouse skeletal muscle. <i>Journal of Physiology</i> , <b>2010</b> , 588, 4261-74	3.9	35
68	Regulation of myoendothelial junction formation: bridging the gap. <i>Circulation Research</i> , <b>2010</b> , 106, 1014-57	4.57	3
67	Differences in expression and function of ryanodine receptors between arteries and arterioles in the mouse. <i>FASEB Journal</i> , <b>2010</b> , 24, 777.5	0.9	
66	Functional adrenoceptor distribution in arteriolar networks of mouse gluteus maximus muscle. <i>FASEB Journal</i> , <b>2010</b> , 24, 976.5	0.9	
65	Intravenous hemostat: nanotechnology to halt bleeding. <i>Science Translational Medicine</i> , <b>2009</b> , 1, 11ra22	17.5	134

64	Quantifying perivascular sympathetic innervation: regional differences in male C57BL/6 mice at 3 and 20 months. <i>Journal of Neuroscience Methods</i> , <b>2009</b> , 184, 124-8	3	20
63	VEGF-A and Semaphorin3A: modulators of vascular sympathetic innervation. <i>Developmental Biology</i> , <b>2009</b> , 334, 119-32	3.1	36
62	Selective functional sympatholysis promotes blood flow distribution to recruited muscle fibers. <i>FASEB Journal</i> , <b>2009</b> , 23, 948.14	0.9	
61	Role for Kv1.3 channels in sympathetic neurovascular transmission. <i>FASEB Journal</i> , <b>2009</b> , 23, 952.12	0.9	
60	Fast calcium responses along endothelium of arteriolar networks during blood flow. <i>FASEB Journal</i> , <b>2009</b> , 23, 948.18	0.9	
59	Connexin isoform expression in smooth muscle cells and endothelial cells of hamster cheek pouch arterioles and retractor feed arteries. <i>Microcirculation</i> , <b>2008</b> , 15, 503-14	2.9	44
58	Hypertension compromises functional hyperemia in hamster feed arteries. <i>FASEB Journal</i> , <b>2008</b> , 22, 1224-32	1.2	
57	Electromechanical and pharmacomechanical signalling pathways for conducted vasodilatation along endothelium of hamster feed arteries. <i>Journal of Physiology</i> , <b>2007</b> , 579, 175-86	3.9	69
56	Propagated endothelial Ca <sup>2+</sup> waves and arteriolar dilation in vivo: measurements in Cx40BAC GCaMP2 transgenic mice. <i>Circulation Research</i> , <b>2007</b> , 101, 1300-9	15.7	167
55	Propagation of calcium waves along endothelium of hamster feed arteries. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2007</b> , 292, H1634-40	5.2	45
54	Connexin isoform expression in microvascular smooth muscle and endothelium. <i>FASEB Journal</i> , <b>2007</b> , 21, A1217	0.9	
53	Neurovascular alignment in mouse diaphragm muscle. <i>FASEB Journal</i> , <b>2007</b> , 21, A482	0.9	
52	Rapid dilation of arterioles with single contraction of hamster skeletal muscle. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2006</b> , 290, H119-27	5.2	69
51	A macroporous hydrogel for the coculture of neural progenitor and endothelial cells to form functional vascular networks in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 2512-7	11.5	175
50	Arteriolar smooth muscle Ca <sup>2+</sup> dynamics during blood flow control in hamster cheek pouch. <i>Journal of Applied Physiology</i> , <b>2006</b> , 101, 307-15	3.7	25
49	Arteriolar smooth muscle calcium dynamics in hamster cheek pouch in vivo. <i>FASEB Journal</i> , <b>2006</b> , 20, A273	0.9	
48	Regional differences in vascular sympathetic innervation are maintained in aging C57BL/6 mice. <i>FASEB Journal</i> , <b>2006</b> , 20, A271	0.9	
47	A Novel Signaling Pathway for Conducted Vasodilation in Hamster Feed Arteries. <i>FASEB Journal</i> , <b>2006</b> , 20, A276	0.9	

46	Resolution of Ca <sup>2+</sup> dynamics underlying conducted vasodilation: The Ca <sup>2+</sup> wave.. <i>FASEB Journal</i> , <b>2006</b> , 20, A277	0.9	1
45	Ischemia-reperfusion impairs ascending vasodilation in feed arteries of hamster skeletal muscle. <i>Microcirculation</i> , <b>2005</b> , 12, 551-61	2.9	13
44	Regulation of blood flow in the microcirculation. <i>Microcirculation</i> , <b>2005</b> , 12, 33-45	2.9	361
43	Neurovascular alignment in adult mouse skeletal muscles. <i>Microcirculation</i> , <b>2005</b> , 12, 161-7	2.9	24
42	Sympathetic neural inhibition of conducted vasodilatation along hamster feed arteries: complementary effects of alpha1- and alpha2-adrenoreceptor activation. <i>Journal of Physiology</i> , <b>2005</b> , 563, 541-55	3.9	35
41	Defining electrical communication in skeletal muscle resistance arteries: a computational approach. <i>Journal of Physiology</i> , <b>2005</b> , 568, 267-81	3.9	85
40	Comment on Point:Counterpoint "The muscle pump is/is not an important determinant of muscle blood flow during exercise". <i>Journal of Applied Physiology</i> , <b>2005</b> , 99, 2451	3.7	
39	Innate control of adaptive immunity via remodeling of lymph node feed arteriole. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 16315-20	11.5	120
38	Connexin expression and conducted vasodilation along arteriolar endothelium in mouse skeletal muscle. <i>Journal of Applied Physiology</i> , <b>2004</b> , 97, 1152-8	3.7	106
37	Histamine inhibits conducted vasodilation through endothelium-derived NO production in arterioles of mouse skeletal muscle. <i>FASEB Journal</i> , <b>2004</b> , 18, 280-6	0.9	26
36	Arteriolar network architecture and vasomotor function with ageing in mouse gluteus maximus muscle. <i>Journal of Physiology</i> , <b>2004</b> , 561, 535-45	3.9	76
35	Independence of connexin expression and vasomotor conduction from sympathetic innervation in hamster feed arteries. <i>Microcirculation</i> , <b>2004</b> , 11, 397-408	2.9	20
34	Contribution of active membrane processes to conducted hyperpolarization in arterioles of hamster cheek pouch. <i>Microcirculation</i> , <b>2004</b> , 11, 425-33	2.9	37
33	Microvessels promote motor nerve survival and regeneration through local VEGF release following ectopic reattachment. <i>Microcirculation</i> , <b>2004</b> , 11, 633-44	2.9	22
32	Neural control of muscle blood flow during exercise. <i>Journal of Applied Physiology</i> , <b>2004</b> , 97, 731-8	3.7	179
31	Expression of homocellular and heterocellular gap junctions in hamster arterioles and feed arteries. <i>Cardiovascular Research</i> , <b>2003</b> , 60, 643-53	9.9	93
30	Homocellular conduction along endothelium and smooth muscle of arterioles in hamster cheek pouch: unmasking an NO wave. <i>Circulation Research</i> , <b>2003</b> , 93, 61-8	15.7	83
29	Interaction between sympathetic nerve activation and muscle fibre contraction in resistance vessels of hamster retractor muscle. <i>Journal of Physiology</i> , <b>2003</b> , 550, 563-74	3.9	84



28	Sympathetic nerves inhibit conducted vasodilatation along feed arteries during passive stretch of hamster skeletal muscle. <i>Journal of Physiology</i> , <b>2003</b> , 552, 273-82	3.9	22
27	Conduction of hyperpolarization along hamster feed arteries: augmentation by acetylcholine. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2002</b> , 283, H102-9	5.2	78
26	Role for endothelial cell conduction in ascending vasodilatation and exercise hyperaemia in hamster skeletal muscle. <i>Journal of Physiology</i> , <b>2001</b> , 536, 937-46	3.9	113
25	Electrical activation of endothelium evokes vasodilation and hyperpolarization along hamster feed arteries. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2001</b> , 280, H160-7	5.2	76
24	Motor nerve topology reflects myocyte morphology in hamster retractor and epitrochlearis muscles. <i>Journal of Morphology</i> , <b>2000</b> , 246, 103-17	1.6	7
23	Attenuation of vasodilatation with skeletal muscle fatigue in hamster retractor. <i>Journal of Physiology</i> , <b>2000</b> , 524 Pt 3, 929-41	3.9	22
22	Effect of motor unit recruitment on functional vasodilatation in hamster retractor muscle. <i>Journal of Physiology</i> , <b>2000</b> , 524 Pt 1, 267-78	3.9	53
21	Vasomotor control in arterioles of the mouse cremaster muscle. <i>FASEB Journal</i> , <b>2000</b> , 14, 197-207	0.9	80
20	Resolution of smooth muscle and endothelial pathways for conduction along hamster cheek pouch arterioles. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2000</b> , 278, H604-12	5.2	65
19	Role of EDHF in conduction of vasodilation along hamster cheek pouch arterioles in vivo. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2000</b> , 278, H1832-9	5.2	47
18	Temporal events underlying arterial remodeling after chronic flow reduction in mice: correlation of structural changes with a deficit in basal nitric oxide synthesis. <i>Circulation Research</i> , <b>2000</b> , 86, 1160-6	15.7	53
17	Electrical coupling between endothelial cells and smooth muscle cells in hamster feed arteries: role in vasomotor control. <i>Circulation Research</i> , <b>2000</b> , 87, 474-9	15.7	250
16	Endothelial cell pathway for conduction of hyperpolarization and vasodilation along hamster feed artery. <i>Circulation Research</i> , <b>2000</b> , 86, 94-100	15.7	194
15	Electrophysiological basis of arteriolar vasomotion in vivo. <i>Journal of Vascular Research</i> , <b>2000</b> , 37, 568-75	1.9	40
14	Codistribution of NOS and caveolin throughout peripheral vasculature and skeletal muscle of hamsters. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>1999</b> , 277, H1167-77	5.2	70
13	Heterogeneity of vascular innervation in hamster cheek pouch and retractor muscle. <i>Journal of Vascular Research</i> , <b>1999</b> , 36, 465-76	1.9	23
12	Spread of vasodilatation and vasoconstriction along feed arteries and arterioles of hamster skeletal muscle. <i>Journal of Physiology</i> , <b>1999</b> , 516 ( Pt 1), 283-91	3.9	92
11	Role of smooth muscle activation in conduction of vasodilation along isolated hamster feed arteries. <i>Journal of Vascular Research</i> , <b>1998</b> , 35, 405-12	1.9	6



10	Endothelial and smooth muscle cell conduction in arterioles controlling blood flow. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>1998</b> , 274, H178-86	5.2	122
9	Oxygen induces electromechanical coupling in arteriolar smooth muscle cells: a role for L-type Ca <sup>2+</sup> channels. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>1998</b> , 274, H2018-24	5.2	41
8	Alignment of microvascular units along skeletal muscle fibers of hamster retractor. <i>Journal of Applied Physiology</i> , <b>1997</b> , 82, 42-8	3.7	39
7	Simulation of motor unit recruitment and microvascular unit perfusion: spatial considerations. <i>Journal of Applied Physiology</i> , <b>1997</b> , 83, 1223-34	3.7	56
6	Arterial morphology and blood volumes of rats following 10-14 weeks of tail suspension. <i>Medicine and Science in Sports and Exercise</i> , <b>1997</b> , 29, 1304-10	1.2	20
5	Muscle length directs sympathetic nerve activity and vasomotor tone in resistance vessels of hamster retractor. <i>Circulation Research</i> , <b>1996</b> , 79, 551-9	15.7	44
4	Interaction between conducted vasodilation and sympathetic nerve activation in arterioles of hamster striated muscle. <i>Circulation Research</i> , <b>1995</b> , 76, 885-91	15.7	51
3	Spatial relationships between neuromuscular junctions and microvessels in hamster cremaster muscle. <i>Microvascular Research</i> , <b>1994</b> , 48, 50-67	3.7	20
2	A holder and calibration chamber for micropressure measurements. <i>Microvascular Research</i> , <b>1994</b> , 48, 403-5	3.7	3
1	Microvascular architecture in rat soleus and extensor digitorum longus muscles. <i>Microvascular Research</i> , <b>1992</b> , 43, 192-204	3.7	23