

Scott Earley

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.

86
papers

3,705
citations

33
h-index

60
g-index

105
ext. papers

4,177
ext. citations

6.4
avg, IF

5.81
L-index

#	Paper	IF	Citations
86	STIM1-dependent peripheral coupling governs the contractility of vascular smooth muscle cells.. <i>ELife</i> , 2022 , 11,	8.9	2
85	Reply to De Mey et al.. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2022 , 322, H683-H684	5.2	1
84	Reply to Boedtkjer and Aalkjaer.. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2022 , 322, H687-H688	5.2	1
83	STIM1 is the key that unlocks airway smooth muscle remodeling and hyperresponsiveness during asthma.. <i>Cell Calcium</i> , 2022 , 104, 102589	4	1
82	Nitric Oxide Signals Through IRAG to Inhibit TRPM4 Channels and Dilate Cerebral Arteries. <i>Function</i> , 2021 , 2, zqab051	6.1	5
81	Transient Receptor Potential Channel Ankyrin 1: A Unique Regulator of Vascular Function. <i>Cells</i> , 2021 , 10,	7.9	2
80	Guidelines for the measurement of vascular function and structure in isolated arteries and veins. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021 , 321, H77-H111	5.2	22
79	Metabolic Control of Cardiac Pacemaking.. <i>Function</i> , 2021 , 2, zqab043	6.1	
78	Brain endothelial cell TRPA1 channels initiate neurovascular coupling. <i>ELife</i> , 2021 , 10,	8.9	23
77	Regulation of vascular tone by transient receptor potential ankyrin 1 channels. <i>Current Topics in Membranes</i> , 2020 , 85, 119-150	2.2	1
76	TRPML1 channels initiate Ca sparks in vascular smooth muscle cells. <i>Science Signaling</i> , 2020 , 13,	8.8	11
75	Differential expression of angiotensin II type 1 receptor subtypes within the cerebral microvasculature. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020 , 318, H461-H469	5.2	9
74	The intracellular Ca release channel TRPML1 regulates lower urinary tract smooth muscle contractility. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 30775-30786	11.5	7
73	Transient Receptor Potential Channels and Endothelial Cell Calcium Signaling. <i>Comprehensive Physiology</i> , 2019 , 9, 1249-1277	7.7	40
72	Nanoscale coupling of junctophilin-2 and ryanodine receptors regulates vascular smooth muscle cell contractility. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 21874-21881	11.5	16
71	Overexpression of the neuronal human (pro)renin receptor mediates angiotensin II-independent blood pressure regulation in the central nervous system. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018 , 314, H580-H592	5.2	7
70	SOCE mediated by STIM and Orai is essential for pacemaker activity in the interstitial cells of Cajal in the gastrointestinal tract. <i>Science Signaling</i> , 2018 , 11,	8.8	16

69	Neuroprotective effects of TRPA1 channels in the cerebral endothelium following ischemic stroke. <i>ELife</i> , 2018 , 7,	8.9	41
68	Endothelial TRPA1 Channels Are Activated by Hypoxia in Cerebral Arteries and Protect Against Ischemic Damage. <i>FASEB Journal</i> , 2018 , 32, 900.5	0.9	
67	Junctophilin-2 Supports Functional Coupling Between Type 2 Ryanodine Receptors and BK Channels in Vascular Smooth Muscle Cells. <i>FASEB Journal</i> , 2018 , 32, 843.6	0.9	
66	Cerebral Capillary TRPA1 Channels Mediate Functional Hyperemia via Retrograde Conducted Vasodilation. <i>FASEB Journal</i> , 2018 , 32, 843.7	0.9	1
65	Nanoscale remodeling of ryanodine receptor cluster size underlies cerebral microvascular dysfunction in Duchenne muscular dystrophy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E9745-E9752	11.5	20
64	The angiotensin II receptor type 1b is the primary sensor of intraluminal pressure in cerebral artery smooth muscle cells. <i>Journal of Physiology</i> , 2017 , 595, 4735-4753	3.9	35
63	Microtubule structures underlying the sarcoplasmic reticulum support peripheral coupling sites to regulate smooth muscle contractility. <i>Science Signaling</i> , 2017 , 10,	8.8	21
62	Redox regulation of transient receptor potential channels in the endothelium. <i>Microcirculation</i> , 2017 , 24, e12329	2.9	21
61	Isolation and Cannulation of Cerebral Parenchymal Arterioles. <i>Journal of Visualized Experiments</i> , 2016 ,	1.6	12
60	Localized TRPA1 channel Ca ²⁺ signals stimulated by reactive oxygen species promote cerebral artery dilation. <i>Science Signaling</i> , 2015 , 8, ra2	8.8	97
59	Transient receptor potential channels in the vasculature. <i>Physiological Reviews</i> , 2015 , 95, 645-90	47.9	247
58	Unitary TRPV3 channel Ca ²⁺ influx events elicit endothelium-dependent dilation of cerebral parenchymal arterioles. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015 , 309, H2031-41	5.2	40
57	Endothelial Cell TRPA1 Channel Activity Delays the Onset of Hypertension-Associated Hemorrhagic Stroke. <i>FASEB Journal</i> , 2015 , 29, 795.3	0.9	
56	TRPV3 Sparklets Mediate Endothelium-Dependent Dilation of Cerebral Parenchymal Arterioles. <i>FASEB Journal</i> , 2015 , 29, 795.2	0.9	
55	Microtubules Couple Sarcoplasmic Reticulum Calcium Release to TRPM4 and BK Channel Activation in Cerebral Artery Myocytes. <i>FASEB Journal</i> , 2015 , 29, 795.9	0.9	
54	The Angiotensin II Type-1 Receptor Is a Mechanosensor in Cerebral Parenchymal Arteriole Smooth Muscle Cells. <i>FASEB Journal</i> , 2015 , 29, 832.1	0.9	
53	Endothelial control of vasodilation: integration of myoendothelial microdomain signalling and modulation by epoxyeicosatrienoic acids. <i>Pflugers Archiv European Journal of Physiology</i> , 2014 , 466, 389-405	4.6	30
52	Calcineurin/nuclear factor of activated T cells-coupled vanilloid transient receptor potential channel 4 ca ²⁺ sparklets stimulate airway smooth muscle cell proliferation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2014 , 50, 1064-75	5.7	27

51	A PLC β -dependent, force-sensitive signaling network in the myogenic constriction of cerebral arteries. <i>Science Signaling</i> , 2014 , 7, ra49	8.8	73
50	Ca(V)3.2 channels and the induction of negative feedback in cerebral arteries. <i>Circulation Research</i> , 2014 , 115, 650-61	15.7	49
49	Neuron-specific (pro)renin receptor knockout prevents the development of salt-sensitive hypertension. <i>Hypertension</i> , 2014 , 63, 316-23	8.5	70
48	Dopaminergic neurotoxicants cause biphasic inhibition of purinergic calcium signaling in astrocytes. <i>PLoS ONE</i> , 2014 , 9, e110996	3.7	9
47	TRPA1 mediates NADPH oxidase-dependent cerebral artery dilation (1079.1). <i>FASEB Journal</i> , 2014 , 28, 1079.1	0.9	
46	TRPM4 channels in smooth muscle function. <i>Pflugers Archiv European Journal of Physiology</i> , 2013 , 465, 1223-31	4.6	41
45	Recruitment of dynamic endothelial Ca ²⁺ signals by the TRPA1 channel activator AITC in rat cerebral arteries. <i>Microcirculation</i> , 2013 , 20, 138-48	2.9	56
44	Control of urinary bladder smooth muscle excitability by the TRPM4 channel modulator 9-phenanthrol. <i>Channels</i> , 2013 , 7, 537-40	3	17
43	Novel role for the transient potential receptor melastatin 4 channel in guinea pig detrusor smooth muscle physiology. <i>American Journal of Physiology - Cell Physiology</i> , 2013 , 304, C467-77	5.4	27
42	TRP channel Ca(2+) sparklets: fundamental signals underlying endothelium-dependent hyperpolarization. <i>American Journal of Physiology - Cell Physiology</i> , 2013 , 305, C999-C1008	5.4	46
41	TRPM4 channel: a new player in urinary bladder smooth muscle function in rats. <i>American Journal of Physiology - Renal Physiology</i> , 2013 , 304, F918-29	4.3	26
40	Regulation of cerebral artery smooth muscle membrane potential by Ca ²⁺ -activated cation channels. <i>Microcirculation</i> , 2013 , 20, 337-47	2.9	15
39	Robust internal elastic lamina fenestration in skeletal muscle arteries. <i>PLoS ONE</i> , 2013 , 8, e54849	3.7	24
38	TRPA1 channels in the vasculature. <i>British Journal of Pharmacology</i> , 2012 , 167, 13-22	8.6	84
37	Endogenous cytosolic Ca(2+) buffering is necessary for TRPM4 activity in cerebral artery smooth muscle cells. <i>Cell Calcium</i> , 2012 , 51, 82-93	4	41
36	Optical recording reveals novel properties of GSK1016790A-induced vanilloid transient receptor potential channel TRPV4 activity in primary human endothelial cells. <i>Molecular Pharmacology</i> , 2012 , 82, 464-72	4.3	51
35	Recruitment of dynamic cerebral artery endothelial Ca ²⁺ signals by the TRPA1 channel activator AITC. <i>FASEB Journal</i> , 2012 , 26, 853.2	0.9	1
34	Endothelium-dependent cerebral artery dilation mediated by transient receptor potential and Ca ²⁺ -activated K ⁺ channels. <i>Journal of Cardiovascular Pharmacology</i> , 2011 , 57, 148-53	3.1	56

33	Basal protein kinase C activity is required for membrane localization and activity of TRPM4 channels in cerebral artery smooth muscle cells. <i>Channels</i> , 2011 , 5, 210-4	3	15
32	Vanilloid and melastatin transient receptor potential channels in vascular smooth muscle. <i>Microcirculation</i> , 2010 , 17, 237-49	2.9	46
31	(Sub)family feud: crosstalk between TRPC channels in vascular smooth muscle cells during vasoconstrictor agonist stimulation. <i>Journal of Physiology</i> , 2010 , 588, 3637-8	3.9	2
30	A dietary agonist of transient receptor potential cation channel V3 elicits endothelium-dependent vasodilation. <i>Molecular Pharmacology</i> , 2010 , 77, 612-20	4.3	93
29	Local regulation of arterial L-type calcium channels by reactive oxygen species. <i>Circulation Research</i> , 2010 , 107, 1002-10	15.7	53
28	Vasoconstriction resulting from dynamic membrane trafficking of TRPM4 in vascular smooth muscle cells. <i>American Journal of Physiology - Cell Physiology</i> , 2010 , 299, C682-94	5.4	51
27	Pharmacological inhibition of TRPM4 hyperpolarizes vascular smooth muscle. <i>American Journal of Physiology - Cell Physiology</i> , 2010 , 299, C1195-202	5.4	79
26	Ca ²⁺ release from the sarcoplasmic reticulum is required for sustained TRPM4 activity in cerebral artery smooth muscle cells. <i>American Journal of Physiology - Cell Physiology</i> , 2010 , 299, C279-88	5.4	77
25	Transient receptor potential channels and vascular function. <i>Clinical Science</i> , 2010 , 119, 19-36	6.5	76
24	Endothelium-dependent cerebral artery dilation mediated by TRPA1 and Ca ²⁺ -Activated K ⁺ channels. <i>Circulation Research</i> , 2009 , 104, 987-94	15.7	193
23	TRPV4-dependent dilation of peripheral resistance arteries influences arterial pressure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009 , 297, H1096-102	5.2	158
22	Reduction in TRPC4 expression specifically attenuates G-protein coupled receptor-stimulated increases in intracellular calcium in human myometrial cells. <i>Cell Calcium</i> , 2009 , 46, 73-84	4	14
21	Transient receptor potential (TRP) channels, vascular tone and autoregulation of cerebral blood flow. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2008 , 35, 1116-20	3	101
20	Protein kinase C regulates vascular myogenic tone through activation of TRPM4. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007 , 292, H2613-22	5.2	125
19	Molecular diversity of receptor operated channels in vascular smooth muscle: a role for heteromultimeric TRP channels?. <i>Circulation Research</i> , 2006 , 98, 1462-4	15.7	7
18	Central role of Ca ²⁺ -dependent regulation of vascular tone in vivo. <i>Journal of Applied Physiology</i> , 2006 , 101, 10-1	3.7	6
17	Functional Significance of Transient Receptor Potential Channels in Vascular Function. <i>Frontiers in Neuroscience</i> , 2006 , 361-376		4
16	Pressure-induced smooth muscle cell depolarization in pulmonary arteries from control and chronically hypoxic rats does not cause myogenic vasoconstriction. <i>Journal of Applied Physiology</i> , 2005 , 98, 1119-24	3.7	27

15	TRPC3 mediates pyrimidine receptor-induced depolarization of cerebral arteries. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005 , 288, H2055-61	5.2	128
14	TRPV4 forms a novel Ca ²⁺ signaling complex with ryanodine receptors and BKCa channels. <i>Circulation Research</i> , 2005 , 97, 1270-9	15.7	365
13	Critical role for transient receptor potential channel TRPM4 in myogenic constriction of cerebral arteries. <i>Circulation Research</i> , 2004 , 95, 922-9	15.7	305
12	Disruption of smooth muscle gap junctions attenuates myogenic vasoconstriction of mesenteric resistance arteries. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004 , 287, H2677-88 ²	5.2	52
11	Cytochrome p-450 epoxygenase products contribute to attenuated vasoconstriction after chronic hypoxia. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003 , 285, H127-36	5.2	66
10	Increased nitric oxide production following chronic hypoxia contributes to attenuated systemic vasoconstriction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003 , 284, H1655-61	5.2	20
9	Hypoxia-induced pulmonary endothelin-1 expression is unaltered by nitric oxide. <i>Journal of Applied Physiology</i> , 2002 , 92, 1152-8	3.7	19
8	Developmental differences in pulmonary eNOS expression in response to chronic hypoxia in the rat. <i>Journal of Applied Physiology</i> , 2002 , 93, 311-8	3.7	24
7	Endothelium-dependent blunting of myogenic responsiveness after chronic hypoxia. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002 , 283, H2202-9	5.2	29
6	48-h Hypoxic exposure results in endothelium-dependent systemic vascular smooth muscle cell hyperpolarization. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2002 , 283, R79-85	3.2	20
5	Estradiol attenuates hypoxia-induced pulmonary endothelin-1 gene expression. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2002 , 283, L86-93	5.8	54
4	Unaltered vasoconstrictor responsiveness after iNOS inhibition in lungs from chronically hypoxic rats. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 1999 , 276, L122-30	5.8	23
3	Identification of polypeptides encoded by cloned pJM1 iron uptake DNA isolated from <i>Vibrio anguillarum</i> 775. <i>Journal of Bacteriology</i> , 1989 , 171, 2293-302	3.5	6
2	Distribution and evolution of sequence characteristics in the <i>E. coli</i> genome. <i>Journal of Biomolecular Structure and Dynamics</i> , 1986 , 4, 291-307	3.6	13
1	Brain Endothelial Cell TRPA1 Channels Initiate Neurovascular Coupling		1