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List of Publications by Year in descending order

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89
papers

4,804
citations

70961

41
h-index

95083

68
g-index

98
all docs

98
docs citations

98
times ranked

3921
citing authors

#	ARTICLE	IF	CITATIONS
1	Calcium sparks in smooth muscle. American Journal of Physiology - Cell Physiology, 2000, 278, C235-C256.	2.1	571
2	Heme Is a Carbon Monoxide Receptor for Large-Conductance Ca ²⁺ -Activated K ⁺ Channels. Circulation Research, 2005, 97, 805-812.	2.0	200
3	Carbon monoxide and hydrogen sulfide: gaseous messengers in cerebrovascular circulation. Journal of Applied Physiology, 2006, 100, 1065-1076.	1.2	177
4	Carbon monoxide as an endogenous vascular modulator. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 301, H1-H11.	1.5	156
5	Carbon Monoxide Dilates Cerebral Arterioles by Enhancing the Coupling of Ca ²⁺ Sparks to Ca ²⁺ -Activated K ⁺ Channels. Circulation Research, 2002, 91, 610-617.	2.0	155
6	Localized TRPA1 channel Ca ²⁺ signals stimulated by reactive oxygen species promote cerebral artery dilation. Science Signaling, 2015, 8, ra2.	1.6	139
7	Voltage dependence of Ca ²⁺ sparks in intact cerebral arteries. American Journal of Physiology - Cell Physiology, 1998, 274, C1755-C1761.	2.1	138
8	Mitochondria-Derived Reactive Oxygen Species Dilate Cerebral Arteries by Activating Ca ²⁺ Sparks. Circulation Research, 2005, 97, 354-362.	2.0	120
9	TMEM16A/ANO1 Channels Contribute to the Myogenic Response in Cerebral Arteries. Circulation Research, 2012, 111, 1027-1036.	2.0	117
10	Activators of protein kinase C decrease Ca ²⁺ spark frequency in smooth muscle cells from cerebral arteries. American Journal of Physiology - Cell Physiology, 1997, 273, C2090-C2095.	2.1	116
11	Differential regulation of Ca ²⁺ sparks and Ca ²⁺ waves by UTP in rat cerebral artery smooth muscle cells. American Journal of Physiology - Cell Physiology, 2000, 279, C1528-C1539.	2.1	116
12	Intravascular pressure regulates local and global Ca ²⁺ signaling in cerebral artery smooth muscle cells. American Journal of Physiology - Cell Physiology, 2001, 281, C439-C448.	2.1	116
13	IP ₃ Constricts Cerebral Arteries via IP ₃ Receptor-Mediated TRPC3 Channel Activation and Independently of Sarcoplasmic Reticulum Ca ²⁺ Release. Circulation Research, 2008, 102, 1118-1126.	2.0	107
14	Ontogeny of Local Sarcoplasmic Reticulum Ca ²⁺ Signals in Cerebral Arteries. Circulation Research, 1998, 83, 1104-1114.	2.0	103
15	TMEM16A channels generate Ca ²⁺ -activated Cl ⁻ currents in cerebral artery smooth muscle cells. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 301, H1819-H1827.	1.5	92
16	Photolysis of intracellular caged sphingosine-1-phosphate causes Ca ²⁺ mobilization independently of G-protein-coupled receptors. FEBS Letters, 2003, 554, 443-449.	1.3	87
17	Mitochondrial modulation of Ca ²⁺ sparks and transient K ⁺ currents in smooth muscle cells of rat cerebral arteries. Journal of Physiology, 2004, 556, 755-771.	1.3	86
18	Calcium/Ask1/MKK7/JNK2/c-Src signalling cascade mediates disruption of intestinal epithelial tight junctions by dextran sulfate sodium. Biochemical Journal, 2015, 465, 503-515.	1.7	83

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19	Inositol trisphosphate receptors in smooth muscle cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012, 302, H2190-H2210.	1.5	78
20	Dynamic regulation of \hat{I}^{21} subunit trafficking controls vascular contractility. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 2361-2366.	3.3	78
21	Isoform-Selective Physical Coupling of TRPC3 Channels to IP ₃ Receptors in Smooth Muscle Cells Regulates Arterial Contractility. <i>Circulation Research</i> , 2010, 106, 1603-1612.	2.0	77
22	Essential role for smooth muscle BK channels in alcohol-induced cerebrovascular constriction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 18217-18222.	3.3	74
23	Smooth muscle cell transient receptor potential polycystin $\hat{2}$ (TRPP2) channels contribute to the myogenic response in cerebral arteries. <i>Journal of Physiology</i> , 2013, 591, 5031-5046.	1.3	73
24	Cl \hat{a}^{-} channels in smooth muscle cells. <i>Pflugers Archiv European Journal of Physiology</i> , 2014, 466, 861-872.	1.3	73
25	Calcium- and voltage-gated BK channels in vascular smooth muscle. <i>Pflugers Archiv European Journal of Physiology</i> , 2018, 470, 1271-1289.	1.3	73
26	Smooth Muscle Cell \hat{I}^2 \hat{I}^1 Subunits Are Essential for Vasoregulation by Ca _v 1.2 Channels. <i>Circulation Research</i> , 2009, 105, 948-955.	2.0	71
27	Caveolin-1 Assembles Type 1 Inositol 1,4,5-Trisphosphate Receptors and Canonical Transient Receptor Potential 3 Channels into a Functional Signaling Complex in Arterial Smooth Muscle Cells. <i>Journal of Biological Chemistry</i> , 2011, 286, 4341-4348.	1.6	70
28	9 \hat{a} -Phenanthrol inhibits recombinant and arterial myocyte $\langle scp \rangle$ TMEM $\langle /scp \rangle$ 16 $\langle scp \rangle$ A $\langle /scp \rangle$ channels. <i>British Journal of Pharmacology</i> , 2015, 172, 2459-2468.	2.7	68
29	Mitochondria Control Functional Ca _v 1.2 Expression in Smooth Muscle Cells of Cerebral Arteries. <i>Circulation Research</i> , 2010, 107, 631-641.	2.0	65
30	LRRC26 Is a Functional BK Channel Auxiliary \hat{I}^3 Subunit in Arterial Smooth Muscle Cells. <i>Circulation Research</i> , 2014, 115, 423-431.	2.0	65
31	Ca _v 1.3 Channels and Intracellular Calcium Mediate Osmotic Stress-induced N-terminal c-Jun Kinase Activation and Disruption of Tight Junctions in Caco-2 Cell Monolayers. <i>Journal of Biological Chemistry</i> , 2011, 286, 30232-30243.	1.6	61
32	Sarcoplasmic reticulum calcium load regulates rat arterial smooth muscle calcium sparks and transient K _C currents. <i>Journal of Physiology</i> , 2002, 544, 71-84.	1.3	59
33	Vasoconstriction resulting from dynamic membrane trafficking of TRPM4 in vascular smooth muscle cells. <i>American Journal of Physiology - Cell Physiology</i> , 2010, 299, C682-C694.	2.1	59
34	Type 1 IP ₃ receptors activate BK _{Ca} channels via local molecular coupling in arterial smooth muscle cells. <i>Journal of General Physiology</i> , 2010, 136, 283-291.	0.9	55
35	Astrocyte-Derived CO Is a Diffusible Messenger That Mediates Glutamate-Induced Cerebral Arteriolar Dilation by Activating Smooth Muscle Cell K _{Ca} Channels. <i>Circulation Research</i> , 2008, 102, 234-241.	2.0	53
36	Calmodulin is responsible for Ca ²⁺ -dependent regulation of TRPA1 Channels. <i>Scientific Reports</i> , 2017, 7, 45098.	1.6	52

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37	Hydrogen sulfide activates Ca ²⁺ sparks to induce cerebral arteriole dilatation. <i>Journal of Physiology</i> , 2012, 590, 2709-2720.	1.3	50
38	A Novel CaV1.2 N Terminus Expressed in Smooth Muscle Cells of Resistance Size Arteries Modifies Channel Regulation by Auxiliary Subunits. <i>Journal of Biological Chemistry</i> , 2007, 282, 29211-29221.	1.6	48
39	Transcriptional Upregulation of $\hat{\pm}$ $\hat{1}$ -Elevates Arterial Smooth Muscle Cell Voltage-Dependent Ca ²⁺ Channel Surface Expression and Cerebrovascular Constriction in Genetic Hypertension. <i>Hypertension</i> , 2012, 60, 1006-1015.	1.3	48
40	An Elevation in Physical Coupling of Type 1 Inositol 1,4,5-Trisphosphate (IP ₃) Receptors to Transient Receptor Potential 3 (TRPC3) Channels Constricts Mesenteric Arteries in Genetic Hypertension. <i>Hypertension</i> , 2012, 60, 1213-1219.	1.3	47
41	Type 1 inositol 1,4,5-trisphosphate receptors mediate UTP-induced cation currents, Ca ²⁺ signals, and vasoconstriction in cerebral arteries. <i>American Journal of Physiology - Cell Physiology</i> , 2008, 295, C1376-C1384.	2.1	46
42	Local coupling of TRPC6 to ANO1/TMEM16A channels in smooth muscle cells amplifies vasoconstriction in cerebral arteries. <i>American Journal of Physiology - Cell Physiology</i> , 2016, 310, C1001-C1009.	2.1	44
43	Eugenol dilates mesenteric arteries and reduces systemic BP by activating endothelial cell $\langle \text{scp} \rangle$ TRPV ₄ channels. <i>British Journal of Pharmacology</i> , 2015, 172, 3484-3494.	2.7	42
44	Angiotensin II stimulates internalization and degradation of arterial myocyte plasma membrane BK channels to induce vasoconstriction. <i>American Journal of Physiology - Cell Physiology</i> , 2015, 309, C392-C402.	2.1	42
45	Ano1 mediates pressure-sensitive contraction frequency changes in mouse lymphatic collecting vessels. <i>Journal of General Physiology</i> , 2019, 151, 532-554.	0.9	42
46	Sulfonylurea Receptor-Dependent and -Independent Pathways Mediate Vasodilation Induced by ATP-Sensitive K ⁺ Channel Openers. <i>Molecular Pharmacology</i> , 2008, 74, 736-743.	1.0	38
47	Arterial smooth muscle cell PKD2 (TRPP1) channels regulate systemic blood pressure. <i>ELife</i> , 2018, 7, .	2.8	37
48	The voltage-dependent L-type Ca ²⁺ (Ca _V 1.2) channel C-terminus fragment is a bimodal vasodilator. <i>Journal of Physiology</i> , 2013, 591, 2987-2998.	1.3	31
49	Calcium Channels and Oxidative Stress Mediate a Synergistic Disruption of Tight Junctions by Ethanol and Acetaldehyde in Caco-2 Cell Monolayers. <i>Scientific Reports</i> , 2016, 6, 38899.	1.6	29
50	Endothelin-1 Stimulates Vasoconstriction Through Rab11A Serine 177 Phosphorylation. <i>Circulation Research</i> , 2017, 121, 650-661.	2.0	27
51	Intravascular flow stimulates PKD2 (polycystin-2) channels in endothelial cells to reduce blood pressure. <i>ELife</i> , 2020, 9, .	2.8	27
52	Potassium Channels, Imidazolines, and Insulin-Secreting Cells. <i>Annals of the New York Academy of Sciences</i> , 1995, 763, 243-261.	1.8	25
53	CaV1.2 Channel N-terminal Splice Variants Modulate Functional Surface Expression in Resistance Size Artery Smooth Muscle Cells. <i>Journal of Biological Chemistry</i> , 2011, 286, 15058-15066.	1.6	25
54	SUMO1 modification of PKD2 channels regulates arterial contractility. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 27095-27104.	3.3	23

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55	Intravascular pressure enhances the abundance of functional K _v 1.5 channels at the surface of arterial smooth muscle cells. <i>Science Signaling</i> , 2015, 8, ra83.	1.6	21
56	TMEM16A channel upregulation in arterial smooth muscle cells produces vasoconstriction during diabetes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 320, H1089-H1101.	1.5	21
57	Eugenol Dilates Rat Cerebral Arteries by Inhibiting Smooth Muscle Cell Voltage-dependent Calcium Channels. <i>Journal of Cardiovascular Pharmacology</i> , 2014, 64, 401-406.	0.8	20
58	Membrane depolarization activates BK channels through ROCK-mediated $\hat{\iota}21$ subunit surface trafficking to limit vasoconstriction. <i>Science Signaling</i> , 2017, 10, .	1.6	18
59	K _v channel trafficking and control of vascular tone. <i>Microcirculation</i> , 2018, 25, e12418.	1.0	18
60	Large Conductance Ca ²⁺ -Activated K ⁺ Channel (BKCa) $\hat{\iota}\pm$ -Subunit Splice Variants in Resistance Arteries from Rat Cerebral and Skeletal Muscle Vasculature. <i>PLoS ONE</i> , 2014, 9, e98863.	1.1	16
61	Rab25 influences functional Cav1.2 channel surface expression in arterial smooth muscle cells. <i>American Journal of Physiology - Cell Physiology</i> , 2016, 310, C885-C893.	2.1	16
62	Polymyxin B has multiple blocking actions on the ATP-sensitive potassium channel in insulin-secreting cells. <i>Pflugers Archiv European Journal of Physiology</i> , 1994, 426, 31-39.	1.3	15
63	Impaired Trafficking of $\hat{\iota}21$ Subunits Inhibits BK Channels in Cerebral Arteries of Hypertensive Rats. <i>Hypertension</i> , 2018, 72, 765-775.	1.3	14
64	A plasma membrane-localized polycystin-1/polycystin-2 complex in endothelial cells elicits vasodilation. <i>ELife</i> , 2022, 11, .	2.8	14
65	Type 2 ryanodine receptors are highly sensitive to alcohol. <i>FEBS Letters</i> , 2014, 588, 1659-1665.	1.3	12
66	Cholesterol activates BK channels by increasing KCNMB1 protein levels in the plasmalemma. <i>Journal of Biological Chemistry</i> , 2021, 296, 100381.	1.6	12
67	Angiotensin II reduces the surface abundance of K _v 1.5 channels in arterial myocytes to stimulate vasoconstriction. <i>Journal of Physiology</i> , 2017, 595, 1607-1618.	1.3	11
68	Elevated plasma catecholamines functionally compensate for the reduced myogenic tone in smooth muscle STIM1 knockout mice but with deleterious cardiac effects. <i>Cardiovascular Research</i> , 2018, 114, 668-678.	1.8	11
69	Contributions of K _{ATP} and K _{Ca} channels to cerebral arteriolar dilation to hypercapnia in neonatal brain. <i>Physiological Reports</i> , 2014, 2, e12127.	0.7	9
70	Trafficking of BK channel subunits controls arterial contractility. <i>Oncotarget</i> , 2017, 8, 106149-106150.	0.8	6
71	Cholesterol-induced Trafficking of beta1 Subunits Switches Modulation of BK Function by this Steroid from Inhibition to Activation. <i>Biophysical Journal</i> , 2020, 118, 109a-110a.	0.2	3
72	Ion Channel Trafficking and Control of Arterial Contractility. , 2016, , 153-168.		1

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73	STIMulating blood pressure. ELife, 2022, 11, .	2.8	1
74	Now you see it, now you don't: the changing face of endothelinâ€1 signalling during vascular ontogenesis. Journal of Physiology, 2016, 594, 4703-4704.	1.3	0
75	The 2019 FASEB Science Research Conference on Smooth Muscle, July 14â€19, 2019, Palm Beach Florida, USA. FASEB Journal, 2019, 33, 13068-13070.	0.2	0
76	Hypoxia inhibits transients KCa currents to limit cerebral artery dilation. FASEB Journal, 2006, 20, A304.	0.2	0
77	Genetic Ablation of Caveolinâ€1 Modifies Ca ²⁺ Spark Coupling in Murine Arterial Smooth Muscle Cells. FASEB Journal, 2006, 20, A1173.	0.2	0
78	MEMBRANE DEPOLARIZATION COUPLESC ²⁺ SPARKS TO KCa CHANNELS IN NEWBORN ARTERIAL SMOOTH MUSCLE CELLS. FASEB Journal, 2006, 20, A304.	0.2	0
79	The myogenic response is suppressed in cerebral arteries of caveolinâ€1 deficient mice. FASEB Journal, 2006, 20, A303.	0.2	0
80	IP3 constricts cerebral arteries by activating a nonâ€selective cation current in myocytes. FASEB Journal, 2007, 21, A1350.	0.2	0
81	Myocytes of resistanceâ€size arteries express Ca ^v 1.2 channels with a novel Nâ€terminus. FASEB Journal, 2007, 21, A1240.	0.2	0
82	Caveolinâ€1 ablation induces functional K Ca channel activation and attenuates the myogenic response in cerebral arteries. FASEB Journal, 2007, 21, A521.	0.2	0
83	Essential role for inositol 1,4,5â€trisphosphate receptor 1 (IP3R1) in UTPâ€induced Ca ²⁺ signal and diameter regulation in rat cerebral arteries. FASEB Journal, 2008, 22, 1208.5.	0.2	0
84	Hydrogen sulfide dilates cerebral arterioles by activating smooth muscle cell plasma membrane K ATP channels. FASEB Journal, 2011, 25, 1026.8.	0.2	0
85	BK Ca channels modulate cortical astrocytic CO production in newborn pigs. FASEB Journal, 2011, 25, .	0.2	0
86	Hydrogen sulfide activates Ca ²⁺ sparks to induce cerebral arteriole dilation. FASEB Journal, 2012, 26, 870.20.	0.2	0
87	<i>Science Signaling</i> Podcast for 9 May 2017: Trafficking of BK channel subunits in arterial myocytes. Science Signaling, 2017, 10, .	1.6	0
88	Endothelial cell PKD2 (TPP1) channels are essential for flowâ€mediated vasodilation. FASEB Journal, 2018, 32, 581.3.	0.2	0
89	A plasma membraneâ€localized polycystinâ€1/polycystinâ€2 complex in endothelial cells elicits vasodilation. FASEB Journal, 2022, 36, .	0.2	0