

Sean M Wilson

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.

112
papers

1,173
citations

21
h-index

32
g-index

135
ext. papers

1,311
ext. citations

3.4
avg, IF

4.01
L-index

#	Paper	IF	Citations
112	Long-Term Hypoxia Negatively Influences Ca Signaling in Basilar Arterial Myocytes of Fetal and Adult Sheep.. <i>Frontiers in Physiology</i> , 2021 , 12, 760176	4.6	
111	MicroRNA-210 Mediates Hypoxia-Induced Repression of Spontaneous Transient Outward Currents in Sheep Uterine Arteries During Gestation. <i>Hypertension</i> , 2021 , 77, 1412-1427	8.5	3
110	The Effects of Insulin-Like Growth Factor I and BTP-2 on Acute Lung Injury. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
109	Gestational long-term hypoxia induces metabolomic reprogramming and phenotypic transformations in fetal sheep pulmonary arteries. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021 , 320, L770-L784	5.8	2
108	Ryanodine receptor subtypes regulate Ca ²⁺ sparks/spontaneous transient outward currents and myogenic tone of uterine arteries in pregnancy. <i>Cardiovascular Research</i> , 2021 , 117, 792-804	9.9	5
107	IGF-1 Deficiency Rescue and Intracellular Calcium Blockade Improves Survival and Corresponding Mechanisms in a Mouse Model of Acute Kidney Injury. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	4
106	TRPML channel activation partially rescues Ca ²⁺ spark activity in sheep fetal pulmonary arterial myocytes following intrauterine long-term hypoxia. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
105	Pulmonary arterial vasoreactivity changes due to the birth transition and the influence of high altitude gestation in lambs. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
104	A comparison of mitochondrial respiratory function in adult and fetal sheep pulmonary arteries.. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
103	High Altitude Hypoxia Induces Cellular Immaturity of Pulmonary Arteries in the Fetal Lamb: Assessment of Protein Biomarkers. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
102	Gestational High-Altitude Hypoxia and Metabolomic Reprogramming in Pulmonary Arteries from Fetal Sheep. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
101	Gestational Hypoxia Inhibits Pregnancy-Induced Upregulation of Ca Sparks and Spontaneous Transient Outward Currents in Uterine Arteries Via Heightened Endoplasmic Reticulum/Oxidative Stress. <i>Hypertension</i> , 2020 , 76, 930-942	8.5	8
100	Long-Term High-Altitude Hypoxia and Alpha Adrenoceptor-Dependent Pulmonary Arterial Contractions in Fetal and Adult Sheep. <i>Frontiers in Physiology</i> , 2019 , 10, 1032	4.6	6
99	Pregnancy Increases Ca Sparks/Spontaneous Transient Outward Currents and Reduces Uterine Arterial Myogenic Tone. <i>Hypertension</i> , 2019 , 73, 691-702	8.5	15
98	Gestational Hypoxia and Programing of Lung Metabolism. <i>Frontiers in Physiology</i> , 2019 , 10, 1453	4.6	2
97	Long Term Hypoxia Negatively Influences Ca ²⁺ Signaling in Basilar Arterial Myocytes of Fetal and Adult Sheep. <i>FASEB Journal</i> , 2019 , 33, 551.7	0.9	
96	Long Term Hypoxia Reduces Levels of Oxylipins in Pulmonary Arteries and Venous Plasma of Fetal Sheep. <i>FASEB Journal</i> , 2019 , 33, 550.5	0.9	

95	Long Term Hypoxia Reduces Antioxidant Levels and Causes a Glycolytic Shift in Neonatal Sheep Pulmonary arteries. <i>FASEB Journal</i> , 2019 , 33, 550.6	0.9	
94	Hemodynamic Effects of Glutathione-Liganded Binuclear Dinitrosyl Iron Complex: Evidence for Nitroxyl Generation and Modulation by Plasma Albumin. <i>Molecular Pharmacology</i> , 2018 , 93, 427-437	4.3	19
93	Nitrite potentiates the vasodilatory signaling of S-nitrosothiols. <i>Nitric Oxide - Biology and Chemistry</i> , 2018 , 75, 60-69	5	11
92	Long-term hypoxia uncouples Ca and eNOS in bradykinin-mediated pulmonary arterial relaxation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018 , 314, R870-R882	3.2	4
91	Gestational Hypoxia and Developmental Plasticity. <i>Physiological Reviews</i> , 2018 , 98, 1241-1334	47.9	70
90	Inhaled Fasudil Lacks Pulmonary Selectivity in Thromboxane-Induced Acute Pulmonary Hypertension in Newborn Lambs. <i>Journal of Cardiovascular Pharmacology and Therapeutics</i> , 2018 , 23, 472-480	2.6	2
89	Acute Hypoxia Alters Ryanodine Receptor Activity in Pulmonary Arterial Myocytes of High Altitude Acclimatized Fetal and Adult Sheep. <i>FASEB Journal</i> , 2018 , 32, 892.5	0.9	
88	Ryanodine Receptor 1 mRNA Expression is Increased by Post-Natal Maturation and Long Term Hypoxia in Sheep Pulmonary Arteries. <i>FASEB Journal</i> , 2018 , 32, 892.9	0.9	
87	Pregnancy Enhances Calcium Spark Activity Independent of Altitude in Ovine Uterine Arterial Myocytes. <i>FASEB Journal</i> , 2018 , 32, 858.10	0.9	
86	Beta Adrenergic Induced Pulmonary Arterial Vasodilation Following Long Term Hypoxia in Fetal and Adult Sheep. <i>FASEB Journal</i> , 2018 , 32, 892.18	0.9	
85	Long Term Hypoxia Reduces Ca ²⁺ Oscillations in Basilar Arterial Myocytes of Fetal and Adult Sheep. <i>FASEB Journal</i> , 2018 , 32, 858.9	0.9	
84	High Altitude Hypoxia Impacts Omega-3 Fatty Acid Metabolites in Plasma of Fetal and Newborn Sheep. <i>FASEB Journal</i> , 2018 , 32, 858.5	0.9	1
83	Long-term high-altitude hypoxia influences pulmonary arterial L-type calcium channel-mediated Ca signals and contraction in fetal and adult sheep. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018 , 314, R433-R446	3.2	7
82	Caveolae Link Ca _v 3.2 Channels to BK-Mediated Feedback in Vascular Smooth Muscle. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018 , 38, 2371-2381	9.4	11
81	Interplay among distinct Ca conductances drives Ca sparks/spontaneous transient outward currents in rat cerebral arteries. <i>Journal of Physiology</i> , 2017 , 595, 1111-1126	3.9	14
80	Chronic Hypoxia uncouples Ca ²⁺ and eNOS in bradykinin-induced relaxation of Ovine pulmonary arteries. <i>FASEB Journal</i> , 2017 , 31, 1073.1	0.9	
79	S-nitrosothiols dilate the mesenteric artery more potently than the femoral artery by a cGMP and L-type calcium channel-dependent mechanism. <i>Nitric Oxide - Biology and Chemistry</i> , 2016 , 58, 20-7	5	7
78	Developmental acceleration of bradykinin-dependent relaxation by prenatal chronic hypoxia impedes normal development after birth. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016 , 310, L271-86	5.8	11

77	Local and systemic vasodilatory effects of low molecular weight S-nitrosothiols. <i>Free Radical Biology and Medicine</i> , 2016 , 91, 215-23	7.8	21
76	Muscarinic Receptor Activation Affects Pulmonary Artery Contractility in Sheep: The Impact of Maturation and Chronic Hypoxia on Endothelium-Dependent and Endothelium-Independent Function. <i>High Altitude Medicine and Biology</i> , 2016 , 17, 122-32	1.9	5
75	Identifying disparity in emergency department length of stay and admission likelihood. <i>World Journal of Emergency Medicine</i> , 2016 , 7, 111-6	1.9	7
74	Chronic and Acute Hypoxia Markedly Alter Ca ²⁺ Signaling in Adult and Fetal Pulmonary Arterial Myocytes. <i>FASEB Journal</i> , 2016 , 30, 774.7	0.9	
73	Long Term Hypoxia Reduces Ca ²⁺ Wave Function In Basilar Arterial Myocytes of Fetal and Adult Sheep. <i>FASEB Journal</i> , 2016 , 30, 1209.4	0.9	
72	Long-term hypoxia increases calcium affinity of BK channels in ovine fetal and adult cerebral artery smooth muscle. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015 , 308, H707-22	5.2	10
71	L-type calcium channels contribute to 5-HT ₃ -receptor-evoked CaMKII β and ERK activation and induction of emesis in the least shrew (<i>Cryptotis parva</i>). <i>European Journal of Pharmacology</i> , 2015 , 755, 110-8	5.3	12
70	Genetic ablation of CaV3.2 channels enhances the arterial myogenic response by modulating the RyR-BKCa axis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015 , 35, 1843-51	9.4	31
69	Nanoliposomal Nitroglycerin Exerts Potent Anti-Inflammatory Effects. <i>Scientific Reports</i> , 2015 , 5, 16258	4.9	5
68	A Free/Libre Open-Source (FLOSS) Suite of Interactive Tools for Physiology Data Analysis. <i>FASEB Journal</i> , 2015 , 29, 814.15	0.9	
67	Effects of L-type Ca ²⁺ Channel Facilitation on Ca ²⁺ Spark Activity in Fetal Ovine Pulmonary Arterial Myocytes. <i>FASEB Journal</i> , 2015 , 29, 1031.10	0.9	
66	Acute Hypoxia Differentially Modifies Ca ²⁺ Waves in Pulmonary Arterial Smooth Muscle Cells of Intact Arteries from Fetal and Adult Sheep. <i>FASEB Journal</i> , 2015 , 29, 1031.9	0.9	
65	Oxidative Stress and Ca ²⁺ Sparks in Pulmonary Arterial Myocytes of High Altitude Acclimatized Sheep. <i>FASEB Journal</i> , 2015 , 29, 662.3	0.9	
64	Influence of Maturation on Ca ²⁺ Waveform Modulation by c-AMP and c-GMP in Pulmonary Arterial Smooth Muscle of Sheep. <i>FASEB Journal</i> , 2015 , 29, 1031.11	0.9	
63	Acute Hypoxia and Ryanodine Receptor Activity in Pulmonary Arterial Myocytes of High Altitude Acclimatized Fetal and Adult Sheep. <i>FASEB Journal</i> , 2015 , 29, 662.2	0.9	
62	Activation Of L-type Calcium Channels Influences Calcium Waves After Long-Term Hypoxia And Developmental Maturation. <i>FASEB Journal</i> , 2015 , 29, 662.1	0.9	
61	Role of blood and vascular smooth muscle in the vasoactivity of nitrite. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014 , 307, H976-86	5.2	11
60	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

59	Chronic hypoxia suppresses muscarinic-induced contractility in ovine pulmonary arteries (1089.17). <i>FASEB Journal</i> , 2014 , 28, 1089.17	0.9	
58	CaV3.2 knockout mice display enhanced myogenic tone due to reduced BKCa-mediated feedback (1077.3). <i>FASEB Journal</i> , 2014 , 28, 1077.3	0.9	
57	Antenatal chronic hypoxia and L-type Ca ²⁺ -dependent contractility of pulmonary arteries from fetal sheep (1089.6). <i>FASEB Journal</i> , 2014 , 28, 1089.6	0.9	
56	Preservation of Ca ²⁺ spark activity during oxidative stress in pulmonary arterial myocytes of fetal sheep (1089.5). <i>FASEB Journal</i> , 2014 , 28, 1089.5	0.9	
55	Ontogeny, ryanodine receptor-mediated calcium sparks, and BK channel clustering in basilar arterial myocytes from long-term hypoxic sheep (853.9). <i>FASEB Journal</i> , 2014 , 28, 853.9	0.9	
54	cGMP amplification of pulmonary arterial myocyte Ca ²⁺ waves is preferentially impaired in high altitude-induced hypoxic fetal sheep (1089.7). <i>FASEB Journal</i> , 2014 , 28, 1089.7	0.9	
53	Chronic hypoxia increases the importance of BKCa channels to bradykinin-mediated pulmonary vasodilation in fetal sheep (1089.18). <i>FASEB Journal</i> , 2014 , 28, 1089.18	0.9	
52	Oxidative stress and the impact of prenatal chronic hypoxia on ryanodine receptor generated calcium responses in fetal pulmonary arterial myocytes (1089.11). <i>FASEB Journal</i> , 2014 , 28, 1089.11	0.9	
51	Chronic hypoxia inhibits pregnancy-induced upregulation of SKCa channel expression and function in uterine arteries. <i>Hypertension</i> , 2013 , 62, 367-74	8.5	25
50	Effect of chronic perinatal hypoxia on the role of rho-kinase in pulmonary artery contraction in newborn lambs. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013 , 304, R136-46	3.2	25
49	Prenatal programming of pulmonary hypertension induced by chronic hypoxia or ductal ligation in sheep. <i>Pulmonary Circulation</i> , 2013 , 3, 757-80	2.7	14
48	Chronic hypoxia during gestation enhances uterine arterial myogenic tone via heightened oxidative stress. <i>PLoS ONE</i> , 2013 , 8, e73731	3.7	24
47	Antenatal hypoxia and pulmonary vascular function and remodeling. <i>Current Vascular Pharmacology</i> , 2013 , 11, 616-40	3.3	35
46	Postnatal-related changes in cAMP mediated pulmonary arterial relaxation and calcium signals persist following long term hypoxia in sheep. <i>FASEB Journal</i> , 2013 , 27, 1140.6	0.9	
45	Bradykinin-induced pulmonary vasorelaxation is modified by long term hypoxia and postnatal maturation in sheep. <i>FASEB Journal</i> , 2013 , 27, 1140.7	0.9	
44	Long term hypoxia impairs ryanodine receptor function and regulation by cyclic nucleotides in immature and mature pulmonary arterial myocytes. <i>FASEB Journal</i> , 2013 , 27, 1187.10	0.9	
43	Underdeveloped bradykinin-dependent vasorelaxation in immature pulmonary arteries from long term hypoxic sheep is not due to loss of cGMP signaling. <i>FASEB Journal</i> , 2013 , 27, 1140.5	0.9	
42	CaV3.2 Channels and the Induction of Negative Feedback in Cerebral Arterial Smooth Muscle. <i>FASEB Journal</i> , 2013 , 27, 925.5	0.9	1

41	Depolarization-dependent contraction increase after birth and preservation following long-term hypoxia in sheep pulmonary arteries. <i>Pulmonary Circulation</i> , 2012 , 2, 41-53	2.7	15
40	Maternal high-altitude hypoxia and suppression of ryanodine receptor-mediated Ca ²⁺ sparks in fetal sheep pulmonary arterial myocytes. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2012 , 303, L799-813	5.8	13
39	Chronic hypoxia suppresses pregnancy-induced upregulation of large-conductance Ca ²⁺ -activated K ⁺ channel activity in uterine arteries. <i>Hypertension</i> , 2012 , 60, 214-22	8.5	41
38	Cyclic Nucleotides Cause Divergent Ryanodine Receptor Modulation in Pulmonary Arterial Myocytes from Immature Chronic Hypoxic Sheep. <i>FASEB Journal</i> , 2012 , 26, 873.7	0.9	
37	Myoendothelial Junction Formation is Restricted in Pulmonary Arteries of Fetal Sheep. <i>FASEB Journal</i> , 2012 , 26, 1062.3	0.9	
36	mAChR Dependent Contraction of Pulmonary Arteries with Functional Endothelium from Chronically Hypoxic Fetal and Adult Sheep. <i>FASEB Journal</i> , 2012 , 26, 1058.13	0.9	
35	Maternal Hypoxemia Suppresses Muscarinic Acetylcholine Receptor Dependent Contraction of Pulmonary Arteries from Fetal Sheep. <i>FASEB Journal</i> , 2012 , 26, 873.21	0.9	
34	Pregnancy upregulates large-conductance Ca(2+)-activated K(+) channel activity and attenuates myogenic tone in uterine arteries. <i>Hypertension</i> , 2011 , 58, 1132-9	8.5	66
33	Preservation of serotonin-mediated contractility in adult sheep pulmonary arteries following long-term high-altitude hypoxia. <i>High Altitude Medicine and Biology</i> , 2011 , 12, 253-64	1.9	9
32	Inhaled nitrite reverses hemolysis-induced pulmonary vasoconstriction in newborn lambs without blood participation. <i>Circulation</i> , 2011 , 123, 605-12	16.7	29
31	Long-term maternal hypoxia: the role of extracellular Ca ²⁺ entry during serotonin-mediated contractility in fetal ovine pulmonary arteries. <i>Reproductive Sciences</i> , 2011 , 18, 948-62	3	25
30	Functional interaction of ClCa with RyR and CaL in pulmonary arteries from chronic hypoxic sheep. <i>FASEB Journal</i> , 2010 , 24, 1061.7	0.9	
29	Muscarinic acetylcholine receptor dependent pulmonary arterial contractility is reduced by chronic hypoxia in fetal sheep. <i>FASEB Journal</i> , 2010 , 24, 1061.8	0.9	
28	Maturation and long-term hypoxia alters Ca ²⁺ -induced Ca ²⁺ release in sheep cerebrovascular sympathetic neurons. <i>Journal of Applied Physiology</i> , 2009 , 107, 1223-34	3.7	8
27	Advancing age alters the contribution of calcium release from smooth endoplasmic reticulum stores in superior cervical ganglion cells. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2009 , 64, 34-44	6.4	3
26	Caffeine inhibits InsP3 responses and capacitative calcium entry in canine pulmonary arterial smooth muscle cells. <i>Vascular Pharmacology</i> , 2009 , 50, 89-97	5.9	12
25	Enhanced capacitative calcium entry and sarcoplasmic-reticulum calcium storage capacity with advanced age in murine mesenteric arterial smooth muscle cells. <i>Experimental Gerontology</i> , 2009 , 44, 201-7	4.5	10
24	The role of calcium-activated chloride channels to serotonin-mediated pulmonary arterial tone is influenced by postnatal maturation. <i>FASEB Journal</i> , 2009 , 23, 999.1	0.9	

23	Serotonin-mediated Ca ²⁺ signaling in pulmonary arterial myocytes and the combined influence of maturation and high-altitude exposure. <i>FASEB Journal</i> , 2009 , 23, 619.11	0.9	
22	Roles of PKC, RhoA and ERK signaling to serotonergic contractility of pulmonary arteries from chronic hypoxic fetal and adult sheep. <i>FASEB Journal</i> , 2009 , 23, 619.5	0.9	
21	Changes in pulmonary arterial smooth muscle structure with maturation and chronic hypoxia in sheep. <i>FASEB Journal</i> , 2009 , 23, 619.9	0.9	
20	Maturation of intracellular calcium homeostasis in sheep pulmonary arterial smooth muscle cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2008 , 295, L905-14	5.8	17
19	Serotonin mediated Ca ²⁺ events are reduced in pulmonary arterial myocytes of chronic hypoxic fetal sheep. <i>FASEB Journal</i> , 2008 , 22, 1149.1	0.9	
18	Role of reverse-mode sodium-calcium exchange to serotonergic contractility in pulmonary arteries of hypoxic sheep. <i>FASEB Journal</i> , 2008 , 22, 1150.1	0.9	
17	Effects of maturation on intracellular Ca ²⁺ homeostasis in ovine pulmonary arterial smooth muscle cells. <i>FASEB Journal</i> , 2008 , 22, 1150.2	0.9	
16	5-HT _{2A} receptor mediated contractility of Ovine pulmonary arteries: Effects of maturation and chronic hypoxia. <i>FASEB Journal</i> , 2008 , 22, 1150.4	0.9	
15	Plasma kallikrein-kinin system and endothelial cell activation. <i>FASEB Journal</i> , 2008 , 22, 915.5	0.9	
14	Contributions of PKC, RhoA and ERK signaling to serotonergic contractility of pulmonary arteries from chronic hypoxic fetal and adult sheep. <i>FASEB Journal</i> , 2008 , 22, 1150.3	0.9	
13	Acetylcholine receptor-mediated contractility of ovine pulmonary arteries: Changes with maturation and chronic hypoxia. <i>FASEB Journal</i> , 2008 , 22, 1150.6	0.9	
12	Role of InsP ₃ and ryanodine receptors in the activation of capacitative Ca ²⁺ entry by store depletion or hypoxia in canine pulmonary arterial smooth muscle cells. <i>British Journal of Pharmacology</i> , 2007 , 152, 101-11	8.6	35
11	Inhibition of ryanodine receptors by 4-(2-aminopropyl)-3,5-dichloro-N,N-dimethylaniline (FLA 365) in canine pulmonary arterial smooth muscle cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007 , 323, 381-90	4.7	7
10	Chronic hypoxia and the influence of maturation on serotonergic contractility in Ovine pulmonary arteries. <i>FASEB Journal</i> , 2007 , 21, A1339	0.9	
9	Effects of aging on Ca ²⁺ signaling in murine mesenteric arterial smooth muscle cells. <i>Mechanisms of Ageing and Development</i> , 2006 , 127, 315-23	5.6	23
8	Role of basal extracellular Ca ²⁺ entry during 5-HT-induced vasoconstriction of canine pulmonary arteries. <i>British Journal of Pharmacology</i> , 2005 , 144, 252-64	8.6	28
7	Mobilization of sarcoplasmic reticulum stores by hypoxia leads to consequent activation of capacitative Ca ²⁺ entry in isolated canine pulmonary arterial smooth muscle cells. <i>Journal of Physiology</i> , 2005 , 563, 409-19	3.9	57
6	Comparative capacitative calcium entry mechanisms in canine pulmonary and renal arterial smooth muscle cells. <i>Journal of Physiology</i> , 2002 , 543, 917-31	3.9	44

5	CLC-3 is a fundamental molecular component of volume-sensitive outwardly rectifying Cl ⁻ channels and volume regulation in HeLa cells and <i>Xenopus laevis</i> oocytes. <i>Journal of Biological Chemistry</i> , 2002 , 277, 40066-74	5-4	91
4	Heterogeneity of calcium stores and elementary release events in canine pulmonary arterial smooth muscle cells. <i>American Journal of Physiology - Cell Physiology</i> , 2001 , 280, C22-33	5-4	101
3	ATP and beta-adrenergic stimulation enhance voltage-gated K current inactivation in brown adipocytes. <i>American Journal of Physiology - Cell Physiology</i> , 2000 , 279, C1847-58	5-4	11
2	P2 receptor modulation of voltage-gated potassium currents in Brown adipocytes. <i>Journal of General Physiology</i> , 1999 , 113, 125-38	3-4	21
1	Purine nucleotides modulate proliferation of brown fat preadipocytes. <i>Cell Proliferation</i> , 1999 , 32, 131-40	4-9	24