

Sean M Wilson

List of Publications by Citations

Source: <https://exaly.com/author-pdf/9290176/sean-m-wilson-publications-by-citations.pdf>

Version: 2024-04-24

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.

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	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
111	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
110	Gestational Hypoxia and Developmental Plasticity. <i>Physiological Reviews</i> , 2018 , 98, 1241-1334	47.9	70
109	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
108	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
107	Ca _v (V)3.2 channels and the induction of negative feedback in cerebral arteries. <i>Circulation Research</i> , 2014 , 115, 650-61	15.7	49
106	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
105	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
104	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
103	Antenatal hypoxia and pulmonary vascular function and remodeling. <i>Current Vascular Pharmacology</i> , 2013 , 11, 616-40	3.3	35
102	Genetic ablation of Ca _v 3.2 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
101	Inhaled nitrite reverses hemolysis-induced pulmonary vasoconstriction in newborn lambs without blood participation. <i>Circulation</i> , 2011 , 123, 605-12	16.7	29
100	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
99	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
98	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
97	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
96	Chronic hypoxia during gestation enhances uterine arterial myogenic tone via heightened oxidative stress. <i>PLoS ONE</i> , 2013 , 8, e73731	3.7	24

95	Purine nucleotides modulate proliferation of brown fat preadipocytes. <i>Cell Proliferation</i> , 1999 , 32, 131-40	4.9	24
94	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
93	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
92	P2 receptor modulation of voltage-gated potassium currents in Brown adipocytes. <i>Journal of General Physiology</i> , 1999 , 113, 125-38	3.4	21
91	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
90	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
89	Pregnancy Increases Ca Sparks/Spontaneous Transient Outward Currents and Reduces Uterine Arterial Myogenic Tone. <i>Hypertension</i> , 2019 , 73, 691-702	8.5	15
88	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
87	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
86	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
85	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
84	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
83	Caffeine inhibits InsP ₃ responses and capacitative calcium entry in canine pulmonary arterial smooth muscle cells. <i>Vascular Pharmacology</i> , 2009 , 50, 89-97	5.9	12
82	Nitrite potentiates the vasodilatory signaling of S-nitrosothiols. <i>Nitric Oxide - Biology and Chemistry</i> , 2018 , 75, 60-69	5	11
81	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
80	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
79	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
78	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

77	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
76	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
75	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
74	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
73	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
72	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
71	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
70	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
69	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
68	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
67	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
66	Nanoliposomal Nitroglycerin Exerts Potent Anti-Inflammatory Effects. <i>Scientific Reports</i> , 2015 , 5, 16258	4.9	5
65	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
64	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
63	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
62	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
61	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
60	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

59	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
58	Gestational Hypoxia and Programing of Lung Metabolism. <i>Frontiers in Physiology</i> , 2019 , 10, 1453	4.6	2
57	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
56	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
55	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
54	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	
53	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	
52	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	
51	A comparison of mitochondrial respiratory function in adult and fetal sheep pulmonary arteries.. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
50	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	
49	Chronic hypoxia and the influence of maturation on serotonergic contractility in Ovine pulmonary arteries. <i>FASEB Journal</i> , 2007 , 21, A1339	0.9	
48	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	
47	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	
46	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	
45	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	
44	Plasma kallikrein-kinin system and endothelial cell activation. <i>FASEB Journal</i> , 2008 , 22, 915.5	0.9	
43	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	
42	Acetylcholine receptor-mediated contractility of ovine pulmonary arteries: Changes with maturation and chronic hypoxia. <i>FASEB Journal</i> , 2008 , 22, 1150.6	0.9	

41	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
40	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
39	Pregnancy Enhances Calcium Spark Activity Independent of Altitude in Ovine Uterine Arterial Myocytes. <i>FASEB Journal</i> , 2018 , 32, 858.10	0.9
38	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
37	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
36	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
35	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
34	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
33	Gestational High-Altitude Hypoxia and Metabolomic Reprogramming in Pulmonary Arteries from Fetal Sheep. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9
32	Chronic hypoxia suppresses muscarinic-induced contractility in ovine pulmonary arteries (1089.17). <i>FASEB Journal</i> , 2014 , 28, 1089.17	0.9
31	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
30	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
29	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
28	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
27	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
26	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
25	A Free/Libre Open-Source (FLOSS) Suite of Interactive Tools for Physiology Data Analysis. <i>FASEB Journal</i> , 2015 , 29, 814.15	0.9
24	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

23	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
22	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
21	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
20	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
19	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
18	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
17	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
16	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
15	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
14	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
13	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
12	Changes in pulmonary arterial smooth muscle structure with maturation and chronic hypoxia in sheep. <i>FASEB Journal</i> , 2009 , 23, 619.9	0.9
11	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
10	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
9	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
8	Myoendothelial Junction Formation is Restricted in Pulmonary Arteries of Fetal Sheep. <i>FASEB Journal</i> , 2012 , 26, 1062.3	0.9
7	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
6	Maternal Hypoxemia Suppresses Muscarinic Acetylcholine Receptor Dependent Contraction of Pulmonary Arteries from Fetal Sheep. <i>FASEB Journal</i> , 2012 , 26, 873.21	0.9

- 5 Postnatal-related changes in cAMP mediated pulmonary arterial relaxation and calcium signals persist following long term hypoxia in sheep. *FASEB Journal*, **2013**, 27, 1140.6 0.9
- 4 Bradykinin-induced pulmonary vasorelaxation is modified by long term hypoxia and postnatal maturation in sheep. *FASEB Journal*, **2013**, 27, 1140.7 0.9
- 3 Long term hypoxia impairs ryanodine receptor function and regulation by cyclic nucleotides in immature and mature pulmonary arterial myocytes. *FASEB Journal*, **2013**, 27, 1187.10 0.9
- 2 Underdeveloped bradykinin-dependent vasorelaxation in immature pulmonary arteries from long term hypoxic sheep is not due to loss of cGMP signaling. *FASEB Journal*, **2013**, 27, 1140.5 0.9
- 1 Oxidative stress and the impact of prenatal chronic hypoxia on ryanodine receptor generated calcium responses in fetal pulmonary arterial myocytes (1089.11). *FASEB Journal*, **2014**, 28, 1089.11 0.9