

Susan Wray

List of Publications by Year in descending order

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165
papers

8,094
citations

50170

46
h-index

56606

83
g-index

167
all docs

167
docs citations

167
times ranked

6118
citing authors

#	ARTICLE	IF	CITATIONS
1	Uterine Excitability and Ion Channels and Their Changes with Gestation and Hormonal Environment. Annual Review of Physiology, 2021, 83, 331-357.	5.6	24
2	Calcium-Activated Chloride Channels in Myometrial and Vascular Smooth Muscle. Frontiers in Physiology, 2021, 12, 751008.	1.3	10
3	<i>Justicia flava</i> leaf extract potently relaxes pregnant human myometrial contractility: a lead plant for drug discovery of new tocolytic drugs. Experimental Physiology, 2020, 105, 2033-2037.	0.9	5
4	Gestational and Hormonal Effects on Magnesium Sulfate's Ability to Inhibit Mouse Uterine Contractility. Reproductive Sciences, 2020, 27, 1570-1579.	1.1	1
5	Human myometrial artery function and endothelial cell calcium signalling are reduced by obesity: Can this contribute to poor labour outcomes?. Acta Physiologica, 2019, 227, e13341.	1.8	6
6	The Myometrium: From Excitation to Contractions and Labour. Advances in Experimental Medicine and Biology, 2019, 1124, 233-263.	0.8	40
7	Gestational and Hormonal Effects on Magnesium Sulfate's Ability to Inhibit Mouse Uterine Contractility. Reproductive Sciences, 2019, , 193371911982808.	1.1	1
8	The association of second trimester biomarkers in amniotic fluid and fetal outcome. Journal of Maternal-Fetal and Neonatal Medicine, 2019, 32, 3627-3632.	0.7	2
9	A randomized controlled trial of a new treatment for labor dystocia. Journal of Maternal-Fetal and Neonatal Medicine, 2018, 31, 2237-2244.	0.7	19
10	Hypoxic conditioning in blood vessels and smooth muscle tissues: effects on function, mechanisms, and unknowns. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H756-H770.	1.5	14
11	Development of a human vasopressin V1a-receptor antagonist from an evolutionary-related insect neuropeptide. Scientific Reports, 2017, 7, 41002.	1.6	33
12	Subtle modifications to oxytocin produce ligands that retain potency and improved selectivity across species. Science Signaling, 2017, 10, .	1.6	34
13	Gestation changes sodium pump isoform expression, leading to changes in ouabain sensitivity, contractility, and intracellular calcium in rat uterus. Physiological Reports, 2017, 5, e13527.	0.7	10
14	The combination tocolytic effect of magnesium sulfate and an oxytocin receptor antagonist in myometrium from singleton and twin pregnancies. American Journal of Obstetrics and Gynecology, 2016, 215, 789.e1-789.e9.	0.7	13
15	Ethnobotanical survey of <i>Rinorea dentata</i> (Violaceae) used in South-Western Nigerian ethnomedicine and detection of cyclotides. Journal of Ethnopharmacology, 2016, 179, 83-91.	2.0	18
16	Differing In Vitro Potencies of Tocolytics and Progesterone in Myometrium From Singleton and Twin Pregnancies. Reproductive Sciences, 2016, 23, 98-111.	1.1	16
17	Does metformin reduce excess birthweight in offspring of obese pregnant women? A randomised controlled trial of efficacy, exploration of mechanisms and evaluation of other pregnancy complications. Efficacy and Mechanism Evaluation, 2016, 3, 1-800.	0.9	5
18	Physiological increases in lactate inhibit intracellular calcium transients, acidify myocytes and decrease force in term pregnant rat myometrium. Journal of Physiology, 2015, 593, 4603-4614.	1.3	22

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19	Insights from physiology into myometrial function and dysfunction. <i>Experimental Physiology</i> , 2015, 100, 1468-1476.	0.9	35
20	Inhibitory effect of visfatin and leptin on human and rat myometrial contractility. <i>Life Sciences</i> , 2015, 125, 57-62.	2.0	39
21	Progress in understanding electro-mechanical signalling in the myometrium. <i>Acta Physiologica</i> , 2015, 213, 417-431.	1.8	42
22	Effect of metformin on maternal and fetal outcomes in obese pregnant women (EMPOWaR): a randomised, double-blind, placebo-controlled trial. <i>Lancet Diabetes and Endocrinology</i> , 2015, 3, 778-786.	5.5	206
23	Hypoxia-induced force increase (HIFI) is a novel mechanism underlying the strengthening of labor contractions, produced by hypoxic stresses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 9763-9768.	3.3	46
24	A short review of adipokines, smooth muscle and uterine contractility. <i>Life Sciences</i> , 2015, 125, 2-8.	2.0	37
25	Efficacy of metformin in pregnant obese women: a randomised controlled trial. <i>BMJ Open</i> , 2015, 5, e006854-e006854.	0.8	15
26	The effects of Ginseng Java root extract on uterine contractility in nonpregnant rats. <i>Physiological Reports</i> , 2014, 2, e12230.	0.7	14
27	Store-operated Ca ²⁺ entry and depolarization explain the anomalous behaviour of myometrial SR: Effects of SERCA inhibition on electrical activity, Ca ²⁺ and force. <i>Cell Calcium</i> , 2014, 56, 188-194.	1.1	24
28	Finding new agents in medicinal plants to act on the myometrium. <i>Experimental Physiology</i> , 2014, 99, 530-537.	0.9	12
29	Introduction: Myometrial physiology – time to translate?. <i>Experimental Physiology</i> , 2014, 99, 487-488.	0.9	3
30	Myometrial physiology – time to translate?. <i>Experimental Physiology</i> , 2014, 99, 495-502.	0.9	32
31	Level of lactate in amniotic fluid and its relation to the use of oxytocin and adverse neonatal outcome. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2014, 93, 80-85.	1.3	25
32	Oxytocin: Its Mechanism of Action and Receptor Signalling in the Myometrium. <i>Journal of Neuroendocrinology</i> , 2014, 26, 356-369.	1.2	200
33	Atherosclerosis affects calcium signalling in endothelial cells from apolipoprotein E knockout mice before plaque formation. <i>Cell Calcium</i> , 2014, 55, 146-154.	1.1	13
34	Atherosclerosis differentially affects calcium signalling in endothelial cells from aortic arch and thoracic aorta in Apolipoprotein E knockout mice. <i>Physiological Reports</i> , 2014, 2, e12171.	0.7	10
35	Oxytocin plant cyclotides as templates for peptide G protein-coupled receptor ligand design. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 21183-21188.	3.3	129
36	How calcium signals in myocytes and pericytes are integrated across in situ microvascular networks and control microvascular tone. <i>Cell Calcium</i> , 2013, 54, 163-174.	1.1	59

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37	The Effects of Watermelon (<i>Citrullus lanatus</i>) Extracts and l-Citrulline on Rat Uterine Contractility. <i>Reproductive Sciences</i> , 2013, 20, 437-448.	1.1	14
38	Abnormal tracheal smooth muscle function in the CF mouse. <i>Physiological Reports</i> , 2013, 1, e00138.	0.7	10
39	A Comparison of the Contractile Properties of Myometrium from Singleton and Twin Pregnancies. <i>PLoS ONE</i> , 2013, 8, e63800.	1.1	30
40	<i>Escherichia coli</i> -Mediated Impairment of Ureteric Contractility Is Uropathogenic <i>E. coli</i> Specific. <i>Journal of Infectious Diseases</i> , 2012, 206, 1589-1596.	1.9	19
41	What do we know about what happens to myometrial function as women age?. <i>Journal of Muscle Research and Cell Motility</i> , 2012, 33, 209-217.	0.9	52
42	Uterine Smooth Muscle. , 2012, , 1207-1216.		2
43	Poor Spontaneous and Oxytocin-Stimulated Contractility in Human Myometrium from Postdates Pregnancies. <i>PLoS ONE</i> , 2012, 7, e36787.	1.1	30
44	Diabetes is associated with impairment of uterine contractility and high Caesarean section rate. <i>Diabetologia</i> , 2012, 55, 489-498.	2.9	37
45	A New Slow Releasing, H ₂ S Generating Compound, GYY4137 Relaxes Spontaneous and Oxytocin-Stimulated Contractions of Human and Rat Pregnant Myometrium. <i>PLoS ONE</i> , 2012, 7, e46278.	1.1	38
46	The Effects of Wild Ginger (<i>Costus speciosus</i> (Koen) Smith) Rhizome Extract and Diosgenin on Rat Uterine Contractions. <i>Reproductive Sciences</i> , 2011, 18, 516-524.	1.1	22
47	Maternal obesity and labour complications following induction of labour in prolonged pregnancy. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2011, 118, 578-588.	1.1	180
48	<i>In vitro</i> myometrial contractility reflects indication for caesarean section. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2011, 118, 1499-1506.	1.1	7
49	The mechanism of agonist induced Ca ²⁺ signalling in intact endothelial cells studied confocally in situ arteries. <i>Cell Calcium</i> , 2011, 49, 66-77.	1.1	29
50	Sarcoplasmic Reticulum Function in Smooth Muscle. <i>Physiological Reviews</i> , 2010, 90, 113-178.	13.1	154
51	Differential cellular expression of FXYD1 (phospholemman) and FXYD2 (gamma subunit of Na, K-ATPase) in normal human tissues: A study using high density human tissue microarrays. <i>Annals of Anatomy</i> , 2010, 192, 7-16.	1.0	35
52	Distribution, expression and functional effects of small conductance Ca-activated potassium (SK) channels in rat myometrium. <i>Cell Calcium</i> , 2010, 47, 47-54.	1.1	26
53	Cholesterol depletion alters coronary artery myocyte Ca ²⁺ signalling in a stimulus-specific manner. <i>Cell Calcium</i> , 2010, 47, 84-91.	1.1	25
54	Calcium Signaling in Smooth Muscle. , 2010, , 1009-1025.		5

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55	Modulation of ureteric Ca signaling and contractility in humans and rats by uropathogenic E. coli. American Journal of Physiology - Renal Physiology, 2010, 298, F900-F908.	1.3	9
56	Expression and Distribution of Na, K-ATPase Isoforms in the Human Uterus. Reproductive Sciences, 2010, 17, 366-376.	1.1	10
57	Drugs acting on the pregnant uterus. Obstetrics, Gynaecology and Reproductive Medicine, 2010, 20, 241-247.	0.1	48
58	The Effects of Pomegranate Seed Extract and β -Sitosterol on Rat Uterine Contractions. Reproductive Sciences, 2010, 17, 288-296.	1.1	34
59	How Structure, Ca Signals, and Cellular Communications Underlie Function in Precapillary Arterioles. Circulation Research, 2009, 105, 803-810.	2.0	29
60	A review of recent insights into the role of the sarcoplasmic reticulum and Ca entry in uterine smooth muscle. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2009, 144, S11-S19.	0.5	52
61	A short review of twin pregnancy and how oxytocin receptor expression may differ in multiple pregnancy. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2009, 144, S40-S44.	0.5	18
62	Temporal and spatial variations in spontaneous Ca events and mechanical activity in pregnant rat myometrium. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2009, 144, S25-S32.	0.5	30
63	Sex Hormones and Excitation-Contraction Coupling in the Uterus: The Effects of Oestrous and Hormones. Journal of Neuroendocrinology, 2008, 20, 451-461.	1.2	44
64	Morphology, Calcium Signaling and Mechanical Activity in Human Ureter. Journal of Urology, 2008, 180, 398-405.	0.2	12
65	Inhibitory Effects of Ginger Oil on Spontaneous and PGF $_{2\alpha}$ -Induced Contraction of Rat Myometrium. Planta Medica, 2008, 74, 385-391.	0.7	14
66	Role of the Sarcoplasmic Reticulum in Uterine Smooth Muscle. Novartis Foundation Symposium, 2008, , 6-25.	1.2	6
67	Sarcoplasmic Reticulum Function and Contractile Consequences in Ureteric Smooth Muscles. Novartis Foundation Symposium, 2008, , 208-220.	1.2	7
68	Functional and Molecular Characterization of Voltage-Gated Sodium Channels in Uteri from Nonpregnant Rats. Biology of Reproduction, 2007, 77, 855-863.	1.2	31
69	Contractility and Calcium Signaling of Human Myometrium Are Profoundly Affected by Cholesterol Manipulation: Implications for Labor?. Reproductive Sciences, 2007, 14, 456-466.	1.1	69
70	Role of the calcium store in uterine contractility. Seminars in Cell and Developmental Biology, 2007, 18, 315-320.	2.3	23
71	Insights into the uterus. Experimental Physiology, 2007, 92, 621-631.	0.9	107
72	Depletion of membrane cholesterol eliminates the Ca $^{2+}$ -activated component of outward potassium current and decreases membrane capacitance in rat uterine myocytes. Journal of Physiology, 2007, 581, 445-456.	1.3	90

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73	Poor uterine contractility in obese women. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2007, 114, 343-348.	1.1	251
74	Evidence that a Ca ²⁺ sparks/STOCs coupling mechanism is responsible for the inhibitory effect of caffeine on electro-mechanical coupling in guinea pig ureteric smooth muscle. <i>Cell Calcium</i> , 2007, 42, 303-311.	1.1	15
75	Calcium transporters and signalling in smooth muscles. <i>Cell Calcium</i> , 2007, 42, 467-476.	1.1	92
76	In Situ Calcium Signaling: No Calcium Sparks Detected in Rat Myometrium. <i>Annals of the New York Academy of Sciences</i> , 2007, 1101, 85-96.	1.8	40
77	Lipid rafts, the sarcoplasmic reticulum and uterine calcium signalling: an integrated approach. <i>Journal of Physiology</i> , 2006, 570, 29-35.	1.3	62
78	Airway Smooth Muscle Dysfunction Precedes Teratogenic Congenital Diaphragmatic Hernia and May Contribute to Hypoplastic Lung Morphogenesis. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2006, 35, 571-578.	1.4	21
79	Domain architecture of the smooth-muscle plasma membrane: regulation by annexins. <i>Biochemical Journal</i> , 2005, 387, 309-314.	1.7	65
80	Action potential refractory period in ureter smooth muscle is set by Ca sparks and BK channels. <i>Nature</i> , 2005, 436, 559-562.	13.7	90
81	Modulation of agonist-induced Ca ²⁺ release by SR Ca ²⁺ load: direct SR and cytosolic Ca ²⁺ measurements in rat uterine myocytes. <i>Cell Calcium</i> , 2005, 37, 215-223.	1.1	46
82	Calcium signalling in smooth muscle. <i>Cell Calcium</i> , 2005, 38, 397-407.	1.1	111
83	Increased cholesterol decreases uterine activity: functional effects of cholesterol alteration in pregnant rat myometrium. <i>American Journal of Physiology - Cell Physiology</i> , 2005, 288, C982-C988.	2.1	96
84	Vimentin-Positive, c-KIT-Negative Interstitial Cells in Human and Rat Uterus: A Role in Pacemaking?1. <i>Biology of Reproduction</i> , 2005, 72, 276-283.	1.2	130
85	Spontaneous Propagating Calcium Waves Underpin Airway Peristalsis in Embryonic Rat Lung. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2005, 33, 153-160.	1.4	38
86	Distribution of AQP2 and AQP3 water channels in human tissue microarrays. <i>Journal of Molecular Histology</i> , 2005, 36, 1-14.	1.0	166
87	Characterization of Contractile Activity and Intracellular Ca ²⁺ Signalling in Mouse Myometrium. <i>Journal of the Society for Gynecologic Investigation</i> , 2004, 11, 207-212.	1.9	30
88	Rho-kinase inhibition and electromechanical coupling in rat and guinea-pig ureter smooth muscle: Ca ²⁺ -dependent and -independent mechanisms. <i>Journal of Physiology</i> , 2004, 560, 839-855.	1.3	64
89	Two centuries of excitation-contraction coupling. <i>Cell Calcium</i> , 2004, 35, 485-489.	1.1	7
90	Functional architecture of the SR calcium store in uterine smooth muscle. <i>Cell Calcium</i> , 2004, 35, 501-508.	1.1	35

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91	Mechanisms of action of pH-induced effects on vascular smooth muscle. <i>Molecular and Cellular Biochemistry</i> , 2004, 263, 163-172.	1.4	29
92	Electrophysiological characterization and functional importance of calcium-activated chloride channel in rat uterine myocytes. <i>Pflugers Archiv European Journal of Physiology</i> , 2004, 448, 36-43.	1.3	57
93	Dysfunctional Labor and Myometrial Lactic Acidosis. <i>Obstetrics and Gynecology</i> , 2004, 103, 718-723.	1.2	89
94	Ca ²⁺ entry, efflux and release in smooth muscle. <i>Biological Research</i> , 2004, 37, 617-24.	1.5	51
95	The effects of pH change on Ca ⁺⁺ signaling and force in pregnant human myometrium. <i>American Journal of Obstetrics and Gynecology</i> , 2003, 188, 1031-1038.	0.7	30
96	A new technique for simultaneous and in situ measurements of Ca ²⁺ signals in arteriolar smooth muscle and endothelial cells. <i>Cell Calcium</i> , 2003, 34, 27-33.	1.1	46
97	The effects of metabolic inhibition on intracellular calcium and contractility of human myometrium. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2003, 110, 1050-1056.	1.1	13
98	Na,K-ATPase Isoforms in Pregnant and Nonpregnant Rat Uterus. <i>Annals of the New York Academy of Sciences</i> , 2003, 986, 614-616.	1.8	10
99	Obstructed labour. <i>British Medical Bulletin</i> , 2003, 67, 191-204.	2.7	166
100	Calcium signaling and uterine contractility. <i>Journal of the Society for Gynecologic Investigation</i> , 2003, 10, 252-264.	1.9	166
101	The effects of metabolic inhibition on intracellular calcium and contractility of human myometrium. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2003, 110, 1050-6.	1.1	3
102	On the Mechanisms Whereby Temperature Affects Excitation-Contraction Coupling in Smooth Muscle. <i>Journal of General Physiology</i> , 2002, 119, 93-104.	0.9	23
103	Modulating signaling events in smooth muscle: cleavage of annexin 2 abolishes its binding to lipid rafts. <i>FASEB Journal</i> , 2002, 16, 1177-1184.	0.2	69
104	pH-induced changes in calcium: functional consequences and mechanisms of action in guinea pig portal vein. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002, 283, H2518-H2526.	1.5	2
105	Characterisation of the ionic currents in freshly isolated rat ureter smooth muscle cells: evidence for species-dependent currents. <i>Pflugers Archiv European Journal of Physiology</i> , 2002, 445, 444-453.	1.3	17
106	The role of the sarcoplasmic reticulum in neonatal uterine smooth muscle: enhanced role compared to adult rat. <i>Journal of Physiology</i> , 2002, 545, 557-566.	1.3	26
107	Effect of inhibiting the sarcoplasmic reticulum on spontaneous and oxytocin-induced contractions of human myometrium. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2002, 109, 289-296.	1.1	70
108	Sarcoplasmic reticulum function and contractile consequences in ureteric smooth muscles. <i>Novartis Foundation Symposium</i> , 2002, 246, 208-17; discussion 217-20, 221-7.	1.2	5

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109	Role of the sarcoplasmic reticulum in uterine smooth muscle. Novartis Foundation Symposium, 2002, 246, 6-18; discussion 18-25, 48-51.	1.2	2
110	pH regulation and buffering power in gastric smooth muscle. Pflugers Archiv European Journal of Physiology, 2001, 442, 459-466.	1.3	9
111	The effects of inhibiting Rho-associated kinase with Y-27632 on force and intracellular calcium in human myometrium. Pflugers Archiv European Journal of Physiology, 2001, 443, 112-114.	1.3	80
112	The Physiological Basis of Uterine Contractility: A Short Review. Experimental Physiology, 2001, 86, 239-246.	0.9	110
113	Simultaneous measurements of changes in sarcoplasmic reticulum and cytosolic [Ca ²⁺] in rat uterine smooth muscle cells. Journal of Physiology, 2001, 531, 707-713.	1.3	88
114	Interactions Between Ca ²⁺ and H ⁺ and Functional Consequences in Vascular Smooth Muscle. Circulation Research, 2000, 86, 355-363.	2.0	72
115	A comparison of the contractile properties of human myometrium obtained from the upper and lower uterine segments. BJOG: an International Journal of Obstetrics and Gynaecology, 2000, 107, 1309-1311.	1.1	52
116	The effects of inhibiting myosin light chain kinase on contraction and calcium signalling in human and rat myometrium. Pflugers Archiv European Journal of Physiology, 2000, 440, 315.	1.3	1
117	pH and smooth muscle: regulation and functional effects. , 1999, , 275-298.		0
118	The role of the sarcoplasmic reticulum as a Ca ²⁺ sink in rat uterine smooth muscle cells. Journal of Physiology, 1999, 520, 153-163.	1.3	64
119	The relationship between the action potential, intracellular calcium and force in intact phasic, guinea-pig ureteric smooth muscle. Journal of Physiology, 1999, 520, 867-883.	1.3	24
120	In vivo pH and metabolite changes during a single contraction in rat uterine smooth muscle. Journal of Physiology, 1999, 518, 783-790.	1.3	60
121	The effect of cyclopiazonic acid on excitation-contraction coupling in guinea-pig ureteric smooth muscle: role of the sarcoplasmic reticulum. Journal of Physiology, 1999, 517, 855-865.	1.3	21
122	Intracellular calcium stores and agonist-induced contractions in isolated human myometrium. American Journal of Obstetrics and Gynecology, 1999, 181, 468-476.	0.7	83
123	Contribution of sarcoplasmic reticular calcium to smooth muscle contractile activation: gestational dependence in isolated rat uterus. Journal of Physiology, 1998, 511, 133-144.	1.3	87
124	Hypoxia and smooth muscle function: key regulatory events during metabolic stress. Journal of Physiology, 1998, 509, 315-325.	1.3	107
125	Properties of voltage-activated [Ca ²⁺] transients in single smooth muscle cells isolated from pregnant rat uterus. Journal of Physiology, 1998, 511, 803-811.	1.3	76
126	The effects of changing intracellular pH on calcium and potassium currents in smooth muscle cells from the guinea-pig ureter. Pflugers Archiv European Journal of Physiology, 1998, 435, 518-522.	1.3	15

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127	Intracellular Na ⁺ measurements in smooth muscle using SBFI - changes in [Na ⁺], Ca ²⁺ and force in normal and Na ⁺ -loaded ureter. Pflugers Archiv European Journal of Physiology, 1998, 435, 523-527.	1.3	11
128	Developmental changes in intracellular pH buffering power in smooth muscle. Pflugers Archiv European Journal of Physiology, 1998, 435, 575-577.	1.3	19
129	The in vivo relationship between blood flow, contractions, pH and metabolites in the rat uterus. Pflugers Archiv European Journal of Physiology, 1998, 435, 810-817.	1.3	22
130	Developmental and species differences in the response of the ureter to metabolic inhibition. Pflugers Archiv European Journal of Physiology, 1998, 436, 443-448.	1.3	4
131	The effect of inhibition of myosin light chain kinase by Wortmannin on intracellular [Ca ²⁺], electrical activity and force in phasic smooth muscle. Pflugers Archiv European Journal of Physiology, 1998, 436, 801-803.	1.3	34
132	Carboxyeosin decreases the rate of decay of the [Ca ²⁺] _i transient in uterine smooth muscle cells isolated from pregnant rats. Pflugers Archiv European Journal of Physiology, 1998, 437, 158-160.	1.3	37
133	The mechanism of Ca ²⁺ release from the SR of permeabilised guinea-pig and rat ureteric smooth muscle. Biochimica Et Biophysica Acta - Molecular Cell Research, 1998, 1402, 109-114.	1.9	21
134	A review of the actions and control of intracellular pH in vascular smooth muscle. Cardiovascular Research, 1998, 38, 316-331.	1.8	72
135	The Outside-in Story of pH, Ca ²⁺ and Vascular Tone. Journal of Physiology, 1997, 503, 235-235.	1.3	0
136	The role of the sarcolemmal Ca ²⁺ -ATPase in the pH transients associated with contraction in rat smooth muscle. Journal of Physiology, 1997, 505, 329-336.	1.3	28
137	External alkalinization decreases intracellular Ca ⁺⁺ and spontaneous contractions in pregnant rat myometrium. American Journal of Obstetrics and Gynecology, 1997, 177, 959-963.	0.7	9
138	Agonist mobilization of sarcoplasmic reticular calcium in smooth muscle: functional coupling to the plasmalemmal Na ⁺ /Ca ²⁺ exchanger?. Cell Calcium, 1997, 22, 333-341.	1.1	27
139	Simultaneous measurements of electrical activity, intracellular [Ca ²⁺] and force in intact smooth muscle. Pflugers Archiv European Journal of Physiology, 1997, 435, 182-184.	1.3	18
140	Simultaneous Measurement of Intracellular pH, Calcium, and Tension in Rat Mesenteric Vessels: Effects of Extracellular pH. Biochemical and Biophysical Research Communications, 1996, 222, 537-540.	1.0	19
141	Stimulus-dependent modulation of smooth muscle intracellular calcium and force by altered intracellular pH. Pflugers Archiv European Journal of Physiology, 1996, 432, 803-811.	1.3	23
142	A31P NMR investigation into the effects of repeated vascular occlusion on uterine metabolites, intracellular pH and force, in vivo. NMR in Biomedicine, 1995, 8, 28-32.	1.6	12
143	Changes in intracellular pH close to term and their possible significance to labour. Pflugers Archiv European Journal of Physiology, 1995, 430, 1012-1014.	1.3	11
144	The effect of metabolic inhibition on rat uterine intracellular pH and its role in contractile failure. Pflugers Archiv European Journal of Physiology, 1995, 430, 125-131.	1.3	12

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145	An investigation of intrinsic buffering power in rat vascular smooth muscle cells. Pflugers Archiv European Journal of Physiology, 1995, 429, 325-331.	1.3	9
146	Changes of pH affect calcium currents but not outward potassium currents in rat myometrial cells. Pflugers Archiv European Journal of Physiology, 1995, 431, 135-137.	1.3	28
147	A quantitative study of the relation between intracellular pH and force in rat mesenteric vascular smooth muscle. Pflugers Archiv European Journal of Physiology, 1994, 427, 270-276.	1.3	19
148	Differential effects of external pH alteration on intracellular pH in rat coronary and cardiac myocytes. Pflugers Archiv European Journal of Physiology, 1994, 428, 674-676.	1.3	13
149	Abolition of contractions in the myometrium by acidification in vitro. Lancet, The, 1994, 344, 717-718.	6.3	40
150	Simultaneous measurement of intracellular pH and contraction in uterine smooth muscle. Pflugers Archiv European Journal of Physiology, 1993, 423, 527-529.	1.3	42
151	The effects of intracellular and extracellular alkalinization on contractions of the isolated rat uterus. Pflugers Archiv European Journal of Physiology, 1992, 422, 24-30.	1.3	19
152	Cytochrome oxidase content of rat brain during development. Biochimica Et Biophysica Acta - Bioenergetics, 1991, 1057, 273-275.	0.5	33
153	Biomedical Nuclear Magnetic Resonance Spectroscopy and Transport. , 1991, , 273-296.		0
154	Noninvasive measurement of molar concentrations of ³¹ P metabolites in vivo, using surface coil NMR spectroscopy. Magnetic Resonance in Medicine, 1988, 6, 84-86.	1.9	42
155	A critical assessment of methods of measuring metabolite concentrations by NMR spectroscopy. NMR in Biomedicine, 1988, 1, 1-10.	1.6	166
156	Characterization of the near infrared absorption spectra of cytochrome aa3 and haemoglobin for the non-invasive monitoring of cerebral oxygenation. Biochimica Et Biophysica Acta - Bioenergetics, 1988, 933, 184-192.	0.5	774
157	Regulation of intracellular pH in rat uterine smooth muscle, studied by ³¹ P NMR spectroscopy. Biochimica Et Biophysica Acta - Molecular Cell Research, 1988, 972, 299-301.	1.9	9
158	Regulation of intracellular pH in rat uterine smooth muscle studied by ³¹ P NMR spectroscopy. Biochimica Et Biophysica Acta - Bioenergetics, 1988, 972, 299-301.	0.5	1
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