

Susan Wray

List of Publications by Year in descending order

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165
papers

8,094
citations

50276

46
h-index

56724

83
g-index

167
all docs

167
docs citations

167
times ranked

6118
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of the near infrared absorption spectra of cytochrome aa3 and haemoglobin for the non-invasive monitoring of cerebral oxygenation. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1988, 933, 184-192.	1.0	774
2	QUANTIFICATION OF CEREBRAL OXYGENATION AND HAEMODYNAMICS IN SICK NEWBORN INFANTS BY NEAR INFRARED SPECTROPHOTOMETRY. <i>Lancet, The</i> , 1986, 328, 1063-1066.	13.7	534
3	Poor uterine contractility in obese women. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2007, 114, 343-348.	2.3	251
4	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> , the, 2015, 3, 778-786.	11.4	206
5	Oxytocin: Its Mechanism of Action and Receptor Signalling in the Myometrium. <i>Journal of Neuroendocrinology</i> , 2014, 26, 356-369.	2.6	200
6	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.	2.3	180
7	A critical assessment of methods of measuring metabolite concentrations by NMR spectroscopy. <i>NMR in Biomedicine</i> , 1988, 1, 1-10.	2.8	166
8	Obstructed labour. <i>British Medical Bulletin</i> , 2003, 67, 191-204.	6.9	166
9	Distribution of AQP2 and AQP3 water channels in human tissue microarrays. <i>Journal of Molecular Histology</i> , 2005, 36, 1-14.	2.2	166
10	Calcium signaling and uterine contractility. <i>Journal of the Society for Gynecologic Investigation</i> , 2003, 10, 252-264.	1.7	166
11	Sarcoplasmic Reticulum Function in Smooth Muscle. <i>Physiological Reviews</i> , 2010, 90, 113-178.	28.8	154
12	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.	2.7	130
13	Oxytocic 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.	7.1	129
14	Calcium signalling in smooth muscle. <i>Cell Calcium</i> , 2005, 38, 397-407.	2.4	111
15	The Physiological Basis of Uterine Contractility: A Short Review. <i>Experimental Physiology</i> , 2001, 86, 239-246.	2.0	110
16	Hypoxia and smooth muscle function: key regulatory events during metabolic stress. <i>Journal of Physiology</i> , 1998, 509, 315-325.	2.9	107
17	Insights into the uterus. <i>Experimental Physiology</i> , 2007, 92, 621-631.	2.0	107
18	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.	4.6	96

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19	Calcium transporters and signalling in smooth muscles. <i>Cell Calcium</i> , 2007, 42, 467-476.	2.4	92
20	Action potential refractory period in ureter smooth muscle is set by Ca sparks and BK channels. <i>Nature</i> , 2005, 436, 559-562.	27.8	90
21	Depletion of membrane cholesterol eliminates the Ca ²⁺ -activated component of outward potassium current and decreases membrane capacitance in rat uterine myocytes. <i>Journal of Physiology</i> , 2007, 581, 445-456.	2.9	90
22	Dysfunctional Labor and Myometrial Lactic Acidosis. <i>Obstetrics and Gynecology</i> , 2004, 103, 718-723.	2.4	89
23	Changes in brain phosphorus metabolites during the postnatal development of the rat.. <i>Journal of Physiology</i> , 1985, 359, 417-429.	2.9	88
24	Simultaneous measurements of changes in sarcoplasmic reticulum and cytosolic [Ca ²⁺] in rat uterine smooth muscle cells. <i>Journal of Physiology</i> , 2001, 531, 707-713.	2.9	88
25	Contribution of sarcoplasmic reticular calcium to smooth muscle contractile activation: gestational dependence in isolated rat uterus. <i>Journal of Physiology</i> , 1998, 511, 133-144.	2.9	87
26	Intracellular calcium stores and agonist-induced contractions in isolated human myometrium. <i>American Journal of Obstetrics and Gynecology</i> , 1999, 181, 468-476.	1.3	83
27	The effects of inhibiting Rho-associated kinase with Y-27632 on force and intracellular calcium in human myometrium. <i>Pflügers Archiv European Journal of Physiology</i> , 2001, 443, 112-114.	2.8	80
28	Properties of voltage-activated [Ca ²⁺] transients in single smooth muscle cells isolated from pregnant rat uterus. <i>Journal of Physiology</i> , 1998, 511, 803-811.	2.9	76
29	A review of the actions and control of intracellular pH in vascular smooth muscle. <i>Cardiovascular Research</i> , 1998, 38, 316-331.	3.8	72
30	Interactions Between Ca ²⁺ and H ⁺ and Functional Consequences in Vascular Smooth Muscle. <i>Circulation Research</i> , 2000, 86, 355-363.	4.5	72
31	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.	2.3	70
32	Modulating signaling events in smooth muscle: cleavage of annexin 2 abolishes its binding to lipid rafts. <i>FASEB Journal</i> , 2002, 16, 1177-1184.	0.5	69
33	Contractility and Calcium Signaling of Human Myometrium Are Profoundly Affected by Cholesterol Manipulation: Implications for Labor?. <i>Reproductive Sciences</i> , 2007, 14, 456-466.	2.5	69
34	Domain architecture of the smooth-muscle plasma membrane: regulation by annexins. <i>Biochemical Journal</i> , 2005, 387, 309-314.	3.7	65
35	The role of the sarcoplasmic reticulum as a Ca ²⁺ sink in rat uterine smooth muscle cells. <i>Journal of Physiology</i> , 1999, 520, 153-163.	2.9	64
36	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.	2.9	64

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37	Lipid rafts, the sarcoplasmic reticulum and uterine calcium signalling: an integrated approach. <i>Journal of Physiology</i> , 2006, 570, 29-35.	2.9	62
38	In vivopH and metabolite changes during a single contraction in rat uterine smooth muscle. <i>Journal of Physiology</i> , 1999, 518, 783-790.	2.9	60
39	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.	2.4	59
40	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.	2.8	57
41	The effects of pregnancy and parturition on phosphorus metabolites in rat uterus studied by ³¹ P nuclear magnetic resonance.. <i>Journal of Physiology</i> , 1985, 368, 19-31.	2.9	54
42	A comparison of the contractile properties of human myometrium obtained from the upper and lower uterine segments. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2000, 107, 1309-1311.	2.3	52
43	A review of recent insights into the role of the sarcoplasmic reticulum and Ca entry in uterine smooth muscle. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2009, 144, S11-S19.	1.1	52
44	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.	2.0	52
45	Ca ²⁺ entry, efflux and release in smooth muscle. <i>Biological Research</i> , 2004, 37, 617-24.	3.4	51
46	Drugs acting on the pregnant uterus. <i>Obstetrics, Gynaecology and Reproductive Medicine</i> , 2010, 20, 241-247.	0.3	48
47	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.	2.4	46
48	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.	2.4	46
49	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.	7.1	46
50	Sex Hormones and Excitation- Contraction Coupling in the Uterus: The Effects of Oestrous and Hormones. <i>Journal of Neuroendocrinology</i> , 2008, 20, 451-461.	2.6	44
51	Sodium pump: Birthday present for digitalis. <i>Nature</i> , 1985, 316, 674-675.	27.8	42
52	Noninvasive measurement of molar concentrations of ³¹ P metabolites in vivo, using surface coil NMR spectroscopy. <i>Magnetic Resonance in Medicine</i> , 1988, 6, 84-86.	3.0	42
53	Simultaneous measurement of intracellular pH and contraction in uterine smooth muscle. <i>Pflugers Archiv European Journal of Physiology</i> , 1993, 423, 527-529.	2.8	42
54	Progress in understanding electro-mechanical signalling in the myometrium. <i>Acta Physiologica</i> , 2015, 213, 417-431.	3.8	42

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55	Direct in vivo measurement of absolute metabolite concentrations using 31P nuclear magnetic resonance spectroscopy. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1986, 886, 399-405.	4.1	41
56	Abolition of contractions in the myometrium by acidification in vitro. <i>Lancet, The</i> , 1994, 344, 717-718.	13.7	40
57	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.	3.8	40
58	The Myometrium: From Excitation to Contractions and Labour. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1124, 233-263.	1.6	40
59	Inhibitory effect of visfatin and leptin on human and rat myometrial contractility. <i>Life Sciences</i> , 2015, 125, 57-62.	4.3	39
60	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.	2.9	38
61	A New Slow Releasing, H2S Generating Compound, GYY4137 Relaxes Spontaneous and Oxytocin-Stimulated Contractions of Human and Rat Pregnant Myometrium. <i>PLoS ONE</i> , 2012, 7, e46278.	2.5	38
62	Carboxyeosin decreases the rate of decay of the [Ca ²⁺] i transient in uterine smooth muscle cells isolated from pregnant rats. <i>Pflugers Archiv European Journal of Physiology</i> , 1998, 437, 158-160.	2.8	37
63	Diabetes is associated with impairment of uterine contractility and high Caesarean section rate. <i>Diabetologia</i> , 2012, 55, 489-498.	6.3	37
64	A short review of adipokines, smooth muscle and uterine contractility. <i>Life Sciences</i> , 2015, 125, 2-8.	4.3	37
65	Functional architecture of the SR calcium store in uterine smooth muscle. <i>Cell Calcium</i> , 2004, 35, 501-508.	2.4	35
66	Differential cellular expression of FXD1 (phospholemman) and FXD2 (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.	1.9	35
67	Insights from physiology into myometrial function and dysfunction. <i>Experimental Physiology</i> , 2015, 100, 1468-1476.	2.0	35
68	The effect of inhibition of myosin light chain kinase by Wortmannin on intracellular [Ca ²⁺], electrical activity and force in phasic smooth muscle. <i>Pflugers Archiv European Journal of Physiology</i> , 1998, 436, 801-803.	2.8	34
69	The Effects of Pomegranate Seed Extract and $\hat{1}^2$ -Sitosterol on Rat Uterine Contractions. <i>Reproductive Sciences</i> , 2010, 17, 288-296.	2.5	34
70	Subtle modifications to oxytocin produce ligands that retain potency and improved selectivity across species. <i>Science Signaling</i> , 2017, 10, .	3.6	34
71	Cytochrome oxidase content of rat brain during development. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1991, 1057, 273-275.	1.0	33
72	Development of a human vasopressin V1a-receptor antagonist from an evolutionary-related insect neuropeptide. <i>Scientific Reports</i> , 2017, 7, 41002.	3.3	33

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73	Myometrial physiology â€“ time to translate?. <i>Experimental Physiology</i> , 2014, 99, 495-502.	2.0	32
74	Functional and Molecular Characterization of Voltage-Gated Sodium Channels in Uteri from Nonpregnant Rats1. <i>Biology of Reproduction</i> , 2007, 77, 855-863.	2.7	31
75	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.	1.3	30
76	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.	1.7	30
77	Temporal and spatial variations in spontaneous Ca events and mechanical activity in pregnant rat myometrium. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2009, 144, S25-S32.	1.1	30
78	Poor Spontaneous and Oxytocin-Stimulated Contractility in Human Myometrium from Postdates Pregnancies. <i>PLoS ONE</i> , 2012, 7, e36787.	2.5	30
79	A Comparison of the Contractile Properties of Myometrium from Singleton and Twin Pregnancies. <i>PLoS ONE</i> , 2013, 8, e63800.	2.5	30
80	Mechanisms of action of pH-induced effects on vascular smooth muscle. <i>Molecular and Cellular Biochemistry</i> , 2004, 263, 163-172.	3.1	29
81	How Structure, Ca Signals, and Cellular Communications Underlie Function in Precapillary Arterioles. <i>Circulation Research</i> , 2009, 105, 803-810.	4.5	29
82	The mechanism of agonist induced Ca ²⁺ signalling in intact endothelial cells studied confocally in in situ arteries. <i>Cell Calcium</i> , 2011, 49, 66-77.	2.4	29
83	Changes of pH affect calcium currents but not outward potassium currents in rat myometrial cells. <i>Pflugers Archiv European Journal of Physiology</i> , 1995, 431, 135-137.	2.8	28
84	The role of the sarcolemmal Ca ²⁺ ATPase in the pH transients associated with contraction in rat smooth muscle. <i>Journal of Physiology</i> , 1997, 505, 329-336.	2.9	28
85	Agonist mobilization of sarcoplasmic reticular calcium in smooth muscle: functional coupling to the plasmalemmal Na ⁺ /Ca ²⁺ exchanger?. <i>Cell Calcium</i> , 1997, 22, 333-341.	2.4	27
86	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.	2.9	26
87	Distribution, expression and functional effects of small conductance Ca-activated potassium (SK) channels in rat myometrium. <i>Cell Calcium</i> , 2010, 47, 47-54.	2.4	26
88	Cholesterol depletion alters coronary artery myocyte Ca ²⁺ signalling in a stimulus-specific manner. <i>Cell Calcium</i> , 2010, 47, 84-91.	2.4	25
89	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.	2.8	25
90	The relationship between the action potential, intracellular calcium and force in intact phasic, guinea-pig uretic smooth muscle. <i>Journal of Physiology</i> , 1999, 520, 867-883.	2.9	24

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91	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.	2.4	24
92	Uterine Excitability and Ion Channels and Their Changes with Gestation and Hormonal Environment. <i>Annual Review of Physiology</i> , 2021, 83, 331-357.	13.1	24
93	Stimulus-dependent modulation of smooth muscle intracellular calcium and force by altered intracellular pH. <i>Pflugers Archiv European Journal of Physiology</i> , 1996, 432, 803-811.	2.8	23
94	On the Mechanisms Whereby Temperature Affects Excitation-Contraction Coupling in Smooth Muscle. <i>Journal of General Physiology</i> , 2002, 119, 93-104.	1.9	23
95	Role of the calcium store in uterine contractility. <i>Seminars in Cell and Developmental Biology</i> , 2007, 18, 315-320.	5.0	23
96	The in vivo relationship between blood flow, contractions, pH and metabolites in the rat uterus. <i>Pflugers Archiv European Journal of Physiology</i> , 1998, 435, 810-817.	2.8	22
97	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.	2.5	22
98	Physiological increases in lactate inhibit intracellular calcium transients, acidify myocytes and decrease force in term pregnant rat myometrium. <i>Journal of Physiology</i> , 2015, 593, 4603-4614.	2.9	22
99	The mechanism of Ca ²⁺ release from the SR of permeabilised guinea-pig and rat ureteric smooth muscle. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1998, 1402, 109-114.	4.1	21
100	The effect of cyclopiazonic acid on excitation-contraction coupling in guinea-pig ureteric smooth muscle: role of the sarcoplasmic reticulum. <i>Journal of Physiology</i> , 1999, 517, 855-865.	2.9	21
101	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.	2.9	21
102	The effects of intracellular and extracellular alkalinization on contractions of the isolated rat uterus. <i>Pflugers Archiv European Journal of Physiology</i> , 1992, 422, 24-30.	2.8	19
103	A quantitative study of the relation between intracellular pH and force in rat mesenteric vascular smooth muscle. <i>Pflugers Archiv European Journal of Physiology</i> , 1994, 427, 270-276.	2.8	19
104	Simultaneous Measurement of Intracellular pH, Calcium, and Tension in Rat Mesenteric Vessels: Effects of Extracellular pH. <i>Biochemical and Biophysical Research Communications</i> , 1996, 222, 537-540.	2.1	19
105	Developmental changes in intracellular pH buffering power in smooth muscle. <i>Pflugers Archiv European Journal of Physiology</i> , 1998, 435, 575-577.	2.8	19
106	Escherichia coli-Mediated Impairment of Ureteric Contractility Is Uropathogenic E. coli Specific. <i>Journal of Infectious Diseases</i> , 2012, 206, 1589-1596.	4.0	19
107	A randomized controlled trial of a new treatment for labor dystocia. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2018, 31, 2237-2244.	1.5	19
108	Simultaneous measurements of electrical activity, intracellular [Ca ²⁺] and force in intact smooth muscle. <i>Pflugers Archiv European Journal of Physiology</i> , 1997, 435, 182-184.	2.8	18

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109	A short review of twin pregnancy and how oxytocin receptor expression may differ in multiple pregnancy. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2009, 144, S40-S44.	1.1	18
110	Ethnobotanical survey of <i>Rinorea dentata</i> (Violaceae) used in South-Western Nigerian ethnomedicine and detection of cyclotides. <i>Journal of Ethnopharmacology</i> , 2016, 179, 83-91.	4.1	18
111	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.	2.8	17
112	Differing In Vitro Potencies of Tocolytics and Progesterone in Myometrium From Singleton and Twin Pregnancies. <i>Reproductive Sciences</i> , 2016, 23, 98-111.	2.5	16
113	The effects of changing intracellular pH on calcium and potassium currents in smooth muscle cells from the guinea-pig ureter. <i>Pflugers Archiv European Journal of Physiology</i> , 1998, 435, 518-522.	2.8	15
114	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.	2.4	15
115	Efficacy of metformin in pregnant obese women: a randomised controlled trial. <i>BMJ Open</i> , 2015, 5, e006854-e006854.	1.9	15
116	Inhibitory Effects of Ginger Oil on Spontaneous and PGF ₂ ±-Induced Contraction of Rat Myometrium. <i>Planta Medica</i> , 2008, 74, 385-391.	1.3	14
117	The Effects of Watermelon (<i>Citrullus lanatus</i>) Extracts and l-Citrulline on Rat Uterine Contractility. <i>Reproductive Sciences</i> , 2013, 20, 437-448.	2.5	14
118	The effects of Ginseng Java root extract on uterine contractility in nonpregnant rats. <i>Physiological Reports</i> , 2014, 2, e12230.	1.7	14
119	Hypoxic conditioning in blood vessels and smooth muscle tissues: effects on function, mechanisms, and unknowns. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 315, H756-H770.	3.2	14
120	Differential effects of external pH alteration on intracellular pH in rat coronary and cardiac myocytes. <i>Pflugers Archiv European Journal of Physiology</i> , 1994, 428, 674-676.	2.8	13
121	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.	2.3	13
122	Atherosclerosis affects calcium signalling in endothelial cells from apolipoprotein E knockout mice before plaque formation. <i>Cell Calcium</i> , 2014, 55, 146-154.	2.4	13
123	The combination tocolytic effect of magnesium sulfate and an oxytocin receptor antagonist in myometrium from singleton and twin pregnancies. <i>American Journal of Obstetrics and Gynecology</i> , 2016, 215, 789.e1-789.e9.	1.3	13
124	A31P NMR investigation into the effects of repeated vascular occlusion on uterine metabolites, intracellular pH and force, in vivo. <i>NMR in Biomedicine</i> , 1995, 8, 28-32.	2.8	12
125	The effect of metabolic inhibition on rat uterine intracellular pH and its role in contractile failure. <i>Pflugers Archiv European Journal of Physiology</i> , 1995, 430, 125-131.	2.8	12
126	Morphology, Calcium Signaling and Mechanical Activity in Human Ureter. <i>Journal of Urology</i> , 2008, 180, 398-405.	0.4	12

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127	Finding new agents in medicinal plants to act on the myometrium. <i>Experimental Physiology</i> , 2014, 99, 530-537.	2.0	12
128	Changes in intracellular pH close to term and their possible significance to labour. <i>Pflugers Archiv European Journal of Physiology</i> , 1995, 430, 1012-1014.	2.8	11
129	Intracellular Na ⁺ measurements in smooth muscle using SBFI - changes in [Na ⁺], Ca ²⁺ and force in normal and Na ⁺ -loaded ureter. <i>Pflugers Archiv European Journal of Physiology</i> , 1998, 435, 523-527.	2.8	11
130	Ion pumping in biological membranes. <i>Contemporary Physics</i> , 1985, 26, 3-21.	1.8	10
131	Na,K-ATPase Isoforms in Pregnant and Nonpregnant Rat Uterus. <i>Annals of the New York Academy of Sciences</i> , 2003, 986, 614-616.	3.8	10
132	Expression and Distribution of Na, K-ATPase Isoforms in the Human Uterus. <i>Reproductive Sciences</i> , 2010, 17, 366-376.	2.5	10
133	Abnormal tracheal smooth muscle function in the CF mouse. <i>Physiological Reports</i> , 2013, 1, e00138.	1.7	10
134	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.	1.7	10
135	Gestation changes sodium pump isoform expression, leading to changes in ouabain sensitivity, contractility, and intracellular calcium in rat uterus. <i>Physiological Reports</i> , 2017, 5, e13527.	1.7	10
136	Calcium-Activated Chloride Channels in Myometrial and Vascular Smooth Muscle. <i>Frontiers in Physiology</i> , 2021, 12, 751008.	2.8	10
137	Regulation of intracellular pH in rat uterine smooth muscle, studied by ³¹ P NMR spectroscopy. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1988, 972, 299-301.	4.1	9
138	An investigation of intrinsic buffering power in rat vascular smooth muscle cells. <i>Pflugers Archiv European Journal of Physiology</i> , 1995, 429, 325-331.	2.8	9
139	External alkalization decreases intracellular Ca ⁺⁺ and spontaneous contractions in pregnant rat myometrium. <i>American Journal of Obstetrics and Gynecology</i> , 1997, 177, 959-963.	1.3	9
140	pH regulation and buffering power in gastric smooth muscle. <i>Pflugers Archiv European Journal of Physiology</i> , 2001, 442, 459-466.	2.8	9
141	Modulation of ureteric Ca signaling and contractility in humans and rats by uropathogenic <i>E. coli</i> . <i>American Journal of Physiology - Renal Physiology</i> , 2010, 298, F900-F908.	2.7	9
142	Two centuries of excitation-contraction coupling. <i>Cell Calcium</i> , 2004, 35, 485-489.	2.4	7
143	Sarcoplasmic Reticulum Function and Contractile Consequences in Ureteric Smooth Muscles. <i>Novartis Foundation Symposium</i> , 2008, , 208-220.	1.1	7
144	<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.	2.3	7

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145	Activation of Nuclear Chromatin in Stretch-Dependent Growth of Tissues. <i>Connective Tissue Research</i> , 1985, 13, 217-225.	2.3	6
146	Role of the Sarcoplasmic Reticulum in Uterine Smooth Muscle. <i>Novartis Foundation Symposium</i> , 2008, , 6-25.	1.1	6
147	Human myometrial artery function and endothelial cell calcium signalling are reduced by obesity: Can this contribute to poor labour outcomes?. <i>Acta Physiologica</i> , 2019, 227, e13341.	3.8	6
148	Calcium Signaling in Smooth Muscle. , 2010, , 1009-1025.		5
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