

# Andrew M Blanks

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

1,698  
citations

361388  
20  
h-index

289230  
40  
g-index

41  
all docs

41  
docs citations

41  
times ranked

1884  
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement of uterine electrophysiological activity. <i>Current Opinion in Physiology</i> , 2020, 13, 38-42.	1.8	7
2	Calcium activated chloride channels and their role in the myometrium. <i>Current Opinion in Physiology</i> , 2020, 13, 43-48.	1.8	3
3	Functionally Selective Inhibition of the Oxytocin Receptor by Retosiban in Human Myometrial Smooth Muscle. <i>Endocrinology</i> , 2020, 161, .	2.8	2
4	Molecular and functional characterization of the SBP-box transcription factor SPL-CNR in tomato fruit ripening and cell death. <i>Journal of Experimental Botany</i> , 2020, 71, 2995-3011.	4.8	23
5	Computational physiology of uterine smooth muscle. <i>Science Progress</i> , 2019, 102, 103-126.	1.9	3
6	Myometrial Transcriptional Signatures of Human Parturition. <i>Frontiers in Genetics</i> , 2019, 10, 185.	2.3	41
7	Anoctamin Channels in Human Myometrium: A Novel Target for Tocolysis. <i>Reproductive Sciences</i> , 2018, 25, 1589-1600.	2.5	13
8	Identification of uterine pacemaker regions at the myometrial-placental interface in the rat. <i>Journal of Physiology</i> , 2018, 596, 2841-2852.	2.9	32
9	A computational method for three-dimensional reconstruction of the microarchitecture of myometrial smooth muscle from histological sections. <i>PLoS ONE</i> , 2017, 12, e0173404.	2.5	9
10	Reconstruction of Cell Surface Densities of Ion Pumps, Exchangers, and Channels from mRNA Expression, Conductance Kinetics, Whole-Cell Calcium, and Current-Clamp Voltage Recordings, with an Application to Human Uterine Smooth Muscle Cells. <i>PLoS Computational Biology</i> , 2016, 12, e1004828.	3.2	18
11	Progesterone-Dependent Induction of Phospholipase C-Related Catalytically Inactive Protein 1 (PRIP-1) in Decidualizing Human Endometrial Stromal Cells. <i>Endocrinology</i> , 2016, 157, 2883-2893.	2.8	31
12	The oxytocin receptor antagonist, Atosiban, activates pro-inflammatory pathways in human amnion via G $\alpha$ i signalling. <i>Molecular and Cellular Endocrinology</i> , 2016, 420, 11-23.	3.2	24
13	The location of pacemakers in the uteri of pregnant guinea pigs and rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015, 309, R1439-R1446.	1.8	17
14	A High-Throughput Electrophysiology Assay Identifies Inhibitors of the Inwardly Rectifying Potassium Channel Kir7.1. <i>Journal of Biomolecular Screening</i> , 2015, 20, 739-747.	2.6	7
15	Oxytocin activates NF- $\kappa$ B-mediated inflammatory pathways in human gestational tissues. <i>Molecular and Cellular Endocrinology</i> , 2015, 403, 64-77.	3.2	48
16	Functional and Morphological Development of the Womb Throughout Life. <i>Science Progress</i> , 2015, 98, 103-127.	1.9	3
17	Assessment of myometrial transcriptome changes associated with spontaneous human labour by high-throughput RNA-seq. <i>Experimental Physiology</i> , 2014, 99, 510-524.	2.0	101
18	Alterations in gap junction connexin43/connexin45 ratio mediate a transition from quiescence to excitation in a mathematical model of the myometrium. <i>Journal of the Royal Society Interface</i> , 2014, 11, 20140726.	3.4	12

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19	The inwardly rectifying K <sup>+</sup> channel $\text{KIR}7.1$ controls uterine excitability throughout pregnancy. <i>EMBO Molecular Medicine</i> , 2014, 6, 1161-1174.	6.9	59
20	Induction of $11\beta$ -HSD 1 and Activation of Distinct Mineralocorticoid Receptor- and Glucocorticoid Receptor-Dependent Gene Networks in Decidualizing Human Endometrial Stromal Cells. <i>Molecular Endocrinology</i> , 2013, 27, 192-202.	3.7	74
21	LRH-1: orphaned, adopted and needed for pregnancy. <i>Nature Medicine</i> , 2013, 19, 968-969.	30.7	7
22	Meaningful menstruation. <i>BioEssays</i> , 2013, 35, 412-412.	2.5	6
23	Spatial heterogeneity enhances and modulates excitability in a mathematical model of the myometrium. <i>Journal of the Royal Society Interface</i> , 2013, 10, 20130458.	3.4	16
24	Characterization of the tissue-level $\text{Ca}^{2+}$ signals in spontaneously contracting human myometrium. <i>Journal of Cellular and Molecular Medicine</i> , 2012, 16, 2990-3000.	3.6	19
25	Towards a computational reconstruction of the electrodynamics of premature and full term human labour. <i>Progress in Biophysics and Molecular Biology</i> , 2011, 107, 183-192.	2.9	29
26	Labor and Inflammation Increase the Expression of Oxytocin Receptor in Human Amnion1. <i>Biology of Reproduction</i> , 2011, 84, 546-552.	2.7	45
27	Maternal Obesity and its Relationship With Spontaneous and Oxytocin-Induced Contractility of Human Myometrium In Vitro. <i>Reproductive Sciences</i> , 2010, 17, 177-185.	2.5	39
28	Phase-plot analysis of the oxytocin effect on human myometrial contractility. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2009, 144, S20-S24.	1.1	14
29	Regulation of Oxytocin Receptors and Oxytocin Receptor Signaling. <i>Seminars in Reproductive Medicine</i> , 2007, 25, 052-059.	1.1	47
30	Characterization of the molecular and electrophysiological properties of the T-type calcium channel in human myometrium. <i>Journal of Physiology</i> , 2007, 581, 915-926.	2.9	49
31	Towards understanding the myometrial physiome: approaches for the construction of a virtual physiological uterus. <i>BMC Pregnancy and Childbirth</i> , 2007, 7, S3.	2.4	13
32	Myometrial function in prematurity. <i>Best Practice and Research in Clinical Obstetrics and Gynaecology</i> , 2007, 21, 807-819.	2.8	21
33	Control of Uterine $\text{Ca}^{2+}$ by Membrane Voltage: Toward Understanding the Excitation-Contraction Coupling in Human Myometrium. <i>Annals of the New York Academy of Sciences</i> , 2007, 1101, 97-109.	3.8	44
34	Histamine Excites Neonatal Rat Sympathetic Preganglionic Neurons In Vitro Via Activation of H1 Receptors. <i>Journal of Neurophysiology</i> , 2006, 95, 2492-2500.	1.8	22
35	Multiple mechanisms involved in oxytocin-induced modulation of myometrial contractility. <i>Acta Pharmacologica Sinica</i> , 2006, 27, 827-832.	6.1	68
36	Orexigen-sensitive NPY/AgRP pacemaker neurons in the hypothalamic arcuate nucleus. <i>Nature Neuroscience</i> , 2004, 7, 493-494.	14.8	388

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37	The role of oxytocin in parturition. BJOG: an International Journal of Obstetrics and Gynaecology, 2003, 110, 46-51.	2.3	85
38	The role of oxytocin in parturition. BJOG: an International Journal of Obstetrics and Gynaecology, 2003, 110, 46-51.	2.3	201
39	Paracrine Oxytocin and Estradiol Demonstrate a Spatial Increase in Human Intrauterine Tissues with Labor. Journal of Clinical Endocrinology and Metabolism, 2003, 88, 3392-3400.	3.6	55