

Mark A Hollywood

List of Publications by Year in descending order

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70
papers

1,551
citations

257101

24
h-index

344852

36
g-index

71
all docs

71
docs citations

71
times ranked

1190
citing authors

#	ARTICLE	IF	CITATIONS
1	Mediation by nitric oxide of neurogenic relaxation of the urinary bladder neck muscle in sheep. <i>Journal of Physiology</i> , 1992, 451, 133-144.	1.3	81
2	Kit-like immunopositive cells in sheep mesenteric lymphatic vessels. <i>Cell and Tissue Research</i> , 2002, 310, 77-84.	1.5	80
3	Platelet-derived growth factor receptor α cells in mouse urinary bladder: a new class of interstitial cells. <i>Journal of Cellular and Molecular Medicine</i> , 2012, 16, 691-700.	1.6	80
4	Calcium oscillations in interstitial cells of the rabbit urethra. <i>Journal of Physiology</i> , 2005, 565, 449-461.	1.3	64
5	Origin of spontaneous rhythmicity in smooth muscle. <i>Journal of Physiology</i> , 2006, 570, 23-28.	1.3	60
6	Tetrodotoxin-Sensitive Sodium Current in Sheep Lymphatic Smooth Muscle. <i>Journal of Physiology</i> , 1997, 503, 13-20.	1.3	53
7	Organization and function of ICC in the urinary tract. <i>Journal of Physiology</i> , 2006, 576, 689-694.	1.3	51
8	Optimizing low-light microscopy with back-illuminated electron multiplying charge-coupled device: enhanced sensitivity, speed, and resolution. <i>Journal of Biomedical Optics</i> , 2004, 9, 1244.	1.4	50
9	Pharmacological characterization of TMEM16A currents. <i>Channels</i> , 2014, 8, 308-320.	1.5	45
10	Interstitial cells of Cajal in the urethra. <i>Journal of Cellular and Molecular Medicine</i> , 2006, 10, 280-291.	1.6	42
11	Outward Currents in Smooth Muscle Cells Isolated from Sheep Mesenteric Lymphatics. <i>Journal of Physiology</i> , 1997, 503, 1-11.	1.3	40
12	Spontaneous Electrical Activity in Sheep Mesenteric Lymphatics. <i>Lymphatic Research and Biology</i> , 2007, 5, 29-44.	0.5	40
13	Modulation of spontaneous Ca ²⁺ -activated Cl ⁻ currents in the rabbit corpus cavernosum by the nitric oxide-cGMP pathway. <i>Journal of Physiology</i> , 2004, 556, 495-506.	1.3	39
14	Activation of the cGMP/PKG pathway inhibits electrical activity in rabbit urethral interstitial cells of Cajal by reducing the spatial spread of Ca ²⁺ waves. <i>Journal of Physiology</i> , 2006, 574, 167-181.	1.3	38
15	Contribution of reverse Na ⁺ -Ca ²⁺ exchange to spontaneous activity in interstitial cells of Cajal in the rabbit urethra. <i>Journal of Physiology</i> , 2006, 574, 651-661.	1.3	37
16	Characterization of T-type calcium current and its contribution to electrical activity in rabbit urethra. <i>American Journal of Physiology - Cell Physiology</i> , 2004, 286, C1078-C1088.	2.1	34
17	LINGO1 is a regulatory subunit of large conductance, Ca ²⁺ -activated potassium channels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 2194-2200.	3.3	34
18	T α - and L α -type Ca ²⁺ Currents in Freshly Dispersed Smooth Muscle Cells from the Human Proximal Urethra. <i>Journal of Physiology</i> , 2003, 550, 753-764.	1.3	33

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19	Ca ²⁺ signalling in urethral interstitial cells of Cajal. <i>Journal of Physiology</i> , 2006, 576, 715-720.	1.3	33
20	Structure-Activity Relationships of a Novel Group of Large-Conductance Ca ²⁺ -Activated K ⁺ (BK) Channel Modulators: The GoSlo ^{SR} Family. <i>ChemMedChem</i> , 2012, 7, 1763-1769.	1.6	30
21	The role of Ca ²⁺ influx in spontaneous Ca ²⁺ wave propagation in interstitial cells of Cajal from the rabbit urethra. <i>Journal of Physiology</i> , 2015, 593, 3333-3350.	1.3	29
22	Vasodilation of rat skeletal muscle arteries by the novel BK channel opener GoSlo is mediated by the simultaneous activation of BK and K _v 7 channels. <i>British Journal of Pharmacology</i> , 2020, 177, 1164-1186.	2.7	28
23	Role of mitochondria in modulation of spontaneous Ca ²⁺ waves in freshly dispersed interstitial cells of Cajal from the rabbit urethra. <i>Journal of Physiology</i> , 2008, 586, 4631-4642.	1.3	26
24	Rho-associated kinase plays a role in rabbit urethral smooth muscle contraction, but not via enhanced myosin light chain phosphorylation. <i>American Journal of Physiology - Renal Physiology</i> , 2011, 300, F73-F85.	1.3	25
25	Molecular mechanisms underlying the effect of the novel BK channel opener GoSlo: Involvement of the S4/S5 linker and the S6 segment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2064-2069.	3.3	25
26	Pacemaker activity in urethral interstitial cells is not dependent on capacitative calcium entry. <i>American Journal of Physiology - Cell Physiology</i> , 2005, 289, C625-C632.	2.1	24
27	Ca ²⁺ signalling in mouse urethral smooth muscle <i>in situ</i> : role of Ca ²⁺ stores and Ca ²⁺ influx mechanisms. <i>Journal of Physiology</i> , 2018, 596, 1433-1466.	1.3	24
28	Development of GoSlo-SR-5-69, a potent activator of large conductance Ca ²⁺ -activated K ⁺ (BK) channels. <i>European Journal of Medicinal Chemistry</i> , 2014, 75, 426-437.	2.6	23
29	Voltage-Dependent Ca ²⁺ Currents Contribute to Spontaneous Ca ²⁺ Waves in Rabbit Corpus Cavernosum Myocytes. <i>Journal of Sexual Medicine</i> , 2009, 6, 3019-3031.	0.3	18
30	Spontaneous Ca ²⁺ Waves in Rabbit Corpus Cavernosum: Modulation by Nitric Oxide and cGMP. <i>Journal of Sexual Medicine</i> , 2009, 6, 958-966.	0.3	17
31	The PLC inhibitor U73122 is a potent inhibitor of the SERCA pump in smooth muscle. <i>British Journal of Pharmacology</i> , 2010, 160, 1293-1294.	2.7	17
32	The cardiac sodium current Na _v 1.5 is functionally expressed in rabbit bronchial smooth muscle cells. <i>American Journal of Physiology - Cell Physiology</i> , 2013, 305, C427-C435.	2.1	17
33	Effects of the novel <i>scp</i> BK (<i>K</i> _{Ca} 1.1) channel opener <i>scp</i> GoSlo ^{SR} are dependent on the presence of <i>scp</i> BK ₂ subunits. <i>British Journal of Pharmacology</i> , 2015, 172, 2544-2556.	2.7	17
34	Muscarinic Receptor Induced Contractions of the Detrusor are Mediated by Activation of TRPC4 Channels. <i>Journal of Urology</i> , 2016, 196, 1796-1808.	0.2	17
35	Effects of new-generation TMEM16A inhibitors on calcium-activated chloride currents in rabbit urethral interstitial cells of Cajal. <i>Pflugers Archiv European Journal of Physiology</i> , 2017, 469, 1443-1455.	1.3	17
36	Tagging of Endogenous BK Channels with a Fluorogen-Activating Peptide Reveals Ca^{2+} -Mediated Control of Channel Clustering in Cerebellum. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 337.	1.8	17

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37	5-HT Inhibits Spontaneous Contractility of Isolated Sheep Mesenteric Lymphatics via Activation of 5-HT ₄ Receptors. <i>Microvascular Research</i> , 2000, 60, 261-268.	1.1	16
38	Ionic currents in intimal cultured synoviocytes from the rabbit. <i>American Journal of Physiology - Cell Physiology</i> , 2010, 299, C1180-C1194.	2.1	16
39	The role of cAMP dependent protein kinase in modulating spontaneous intracellular Ca ²⁺ waves in interstitial cells of Cajal from the rabbit urethra. <i>Cell Calcium</i> , 2014, 56, 181-187.	1.1	16
40	Enhancement of Ca ²⁺ -dependent outward current in sheep bladder myocytes by Evans blue dye. <i>Pflugers Archiv European Journal of Physiology</i> , 1998, 435, 631-636.	1.3	14
41	Novel Excitatory Effects of Adenosine Triphosphate on Contractile and Pacemaker Activity in Rabbit Urethral Smooth Muscle. <i>Journal of Urology</i> , 2010, 183, 801-811.	0.2	14
42	Contribution of K ^v _{2.1} channels to the delayed rectifier current in freshly dispersed smooth muscle cells from rabbit urethra. <i>American Journal of Physiology - Cell Physiology</i> , 2011, 301, C1186-C1200.	2.1	14
43	Optimization of spinning disk confocal microscopy: synchronization with the ultra-sensitive EMCCD. , 2004, , .		13
44	P2X Receptor Currents in Smooth Muscle Cells Contribute to Nerve Mediated Contractions of Rabbit Urethral Smooth Muscle. <i>Journal of Urology</i> , 2011, 186, 745-752.	0.2	13
45	Mechanisms underlying activation of transient BK current in rabbit urethral smooth muscle cells and its modulation by IP ₃ -generating agonists. <i>American Journal of Physiology - Cell Physiology</i> , 2013, 305, C609-C622.	2.1	12
46	The effect of high [K ⁺] _o on spontaneous Ca ²⁺ waves in freshly isolated interstitial cells of Cajal from the rabbit urethra. <i>Physiological Reports</i> , 2014, 2, e00203.	0.7	12
47	The role of Ca ²⁺ -activated Cl ⁻ current in tone generation in the rabbit corpus cavernosum. <i>American Journal of Physiology - Cell Physiology</i> , 2017, 313, C475-C486.	2.1	10
48	Differential efficacy of GoSlo-SR compounds on BK ₁ and BK _{1.4} channels. <i>Channels</i> , 2017, 11, 66-78.	1.5	10
49	Calcium-Activated K ⁺ Channels (KCa) and Therapeutic Implications. <i>Handbook of Experimental Pharmacology</i> , 2021, 267, 379-416.	0.9	9
50	Î ₃ -Adrenoceptor agonists inhibit purinergic receptor-mediated contractions of the murine detrusor. <i>American Journal of Physiology - Cell Physiology</i> , 2019, 317, C131-C142.	2.1	8
51	Inhibitory effects of openers of large-conductance Ca ²⁺ -activated K ⁺ channels on agonist-induced phasic contractions in rabbit and mouse bronchial smooth muscle. <i>American Journal of Physiology - Cell Physiology</i> , 2018, 315, C818-C829.	2.1	7
52	Muscarinic receptor-induced contractions of the detrusor are impaired in TRPC4 deficient mice. <i>Scientific Reports</i> , 2018, 8, 9264.	1.6	7
53	Regulation of P2X1 receptors by modulators of the cAMP effectors PKA and EPAC. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, e2108094118.	3.3	7
54	ATP Evokes Inward Currents in Corpus Cavernosum Myocytes. <i>Journal of Sexual Medicine</i> , 2014, 11, 64-74.	0.3	6

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55	$^{23}\text{Å}$ adrenoceptor agonists inhibit carbachol-evoked Ca^{2+} oscillations in murine detrusor myocytes. <i>BJU International</i> , 2018, 121, 959-970.	1.3	6
56	Spontaneous Activity in Urethral Smooth Muscle. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1124, 149-167.	0.8	6
57	Ion Channels and Intracellular Calcium Signalling in Corpus Cavernosum. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1124, 171-194.	0.8	6
58	Back-illuminated electron multiplying technology: the world's most sensitive CCD for ultralow-light microscopy. , 2003, 4962, 319.		5
59	Involvement of cyclic nucleotide-gated channels in spontaneous activity generated in isolated interstitial cells of Cajal from the rabbit urethra. <i>European Journal of Pharmacology</i> , 2017, 814, 216-225.	1.7	5
60	Effects of Phenylephrine on Spontaneous Activity and L-Type Ca^{2+} Current in Isolated Corpus Cavernosum Myocytes. <i>Journal of Sexual Medicine</i> , 2012, 9, 2795-2805.	0.3	4
61	Role of Ano1 Ca^{2+} -activated Cl^{-} channels in generating urethral tone. <i>American Journal of Physiology - Renal Physiology</i> , 2021, 320, F525-F536.	1.3	3
62	Modulation of carbachol-induced Ca^{2+} oscillations in airway smooth muscle cells by PGE2. <i>Cell Calcium</i> , 2022, 103, 102547.	1.1	3
63	Investigation of L-type Ca^{2+} current in the aganglionic bowel segment in Hirschsprung's disease. <i>Neurogastroenterology and Motility</i> , 2012, 24, 1126.	1.6	2
64	Royal academy of medicine in Ireland section of biomedical sciences. <i>Irish Journal of Medical Science</i> , 1996, 165, 304-314.	0.8	1
65	Regulation of nerve-evoked contractions of rabbit vas deferens by acetylcholine. <i>Physiological Reports</i> , 2015, 3, e12520.	0.7	1
66	Royal academy of medicine in Ireland section of biomedical sciences. <i>Irish Journal of Medical Science</i> , 1992, 161, 639-652.	0.8	0
67	Royal academy of medicine in Ireland section of biomedical sciences. <i>Irish Journal of Medical Science</i> , 1995, 164, 311-319.	0.8	0
68	Royal academy of medicine in Ireland section of biomedical sciences. <i>Irish Journal of Medical Science</i> , 1996, 165, 224-238.	0.8	0
69	Modulation of Spontaneous Electrical Activity in Urethral Smooth Muscle. <i>Neurophysiology</i> , 2003, 35, 217-223.	0.2	0
70	Ultra-sensitivity, speed and resolution: Optimizing low-light microscopy with the back-illuminated electron multiplying CCD. , 2003, , .		0