

Fiona C Britton

List of Publications by Year in descending order

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34
papers

1,484
citations

394421

19
h-index

477307

29
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34
all docs

34
docs citations

34
times ranked

1456
citing authors

#	ARTICLE	IF	CITATIONS
1	Expression of anoctamin 1/TMEM16A by interstitial cells of Cajal is fundamental for slow wave activity in gastrointestinal muscles. <i>Journal of Physiology</i> , 2009, 587, 4887-4904.	2.9	348
2	Cyclic GMP-dependent Protein Kinase Activates Cloned BKCa Channels Expressed in Mammalian Cells by Direct Phosphorylation at Serine 1072. <i>Journal of Biological Chemistry</i> , 1999, 274, 10927-10935.	3.4	184
3	Regulation of calcium-activated chloride channels in smooth muscle cells: a complex picture is emerging. <i>Canadian Journal of Physiology and Pharmacology</i> , 2005, 83, 541-556.	1.4	112
4	Anoctamins and gastrointestinal smooth muscle excitability. <i>Experimental Physiology</i> , 2012, 97, 200-206.	2.0	93
5	Muscarinic activation of Ca ²⁺ -activated Cl ⁻ current in interstitial cells of Cajal. <i>Journal of Physiology</i> , 2011, 589, 4565-4582.	2.9	71
6	Comparison of the properties of <i>CLCA1</i> generated currents and <i>h</i> Cl _(Ca) in murine portal vein smooth muscle cells. <i>Journal of Physiology</i> , 2002, 539, 107-117.	2.9	59
7	A Novel Anionic Inward Rectifier in Native Cardiac Myocytes. <i>Circulation Research</i> , 2000, 86, .	4.5	58
8	Molecular distribution of volume-regulated chloride channels (ClC-2 and ClC-3) in cardiac tissues. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000, 279, H2225-H2233.	3.2	47
9	Expression, localization, and functional properties of Bestrophin 3 channel isolated from mouse heart. <i>American Journal of Physiology - Cell Physiology</i> , 2008, 295, C1610-C1624.	4.6	45
10	Cardiac-specific, inducible ClC-3 gene deletion eliminates native volume-sensitive chloride channels and produces myocardial hypertrophy in adult mice. <i>Journal of Molecular and Cellular Cardiology</i> , 2010, 48, 211-219.	1.9	43
11	Purinoreceptor-coupled Cl ⁻ channels in mouse heart: a novel, alternative pathway for CFTR regulation. <i>Journal of Physiology</i> , 1999, 521, 43-56.	2.9	40
12	Increased complexity of Tmem16a/Anoctamin 1 transcript alternative splicing. <i>BMC Molecular Biology</i> , 2011, 12, 35.	3.0	39
13	Functional role of CLC-2 chloride inward rectifier channels in cardiac sinoatrial nodal pacemaker cells. <i>Journal of Molecular and Cellular Cardiology</i> , 2009, 47, 121-132.	1.9	38
14	Methionine and its derivatives increase bladder excitability by inhibiting stretch-dependent K ⁺ channels. <i>British Journal of Pharmacology</i> , 2008, 153, 1259-1271.	5.4	35
15	Molecular and Functional Significance of Ca ²⁺ -Activated Cl ⁻ Channels in Pulmonary Arterial Smooth Muscle. <i>Pulmonary Circulation</i> , 2015, 5, 244-268.	1.7	33
16	Regulation of Recombinant Cardiac Cystic Fibrosis Transmembrane Conductance Regulator Chloride Channels by Protein Kinase C. <i>Biophysical Journal</i> , 1999, 76, 1972-1987.	0.5	32
17	Role of TREK-1 Potassium Channel in Bladder Overactivity After Partial Bladder Outlet Obstruction in Mouse. <i>Journal of Urology</i> , 2010, 183, 793-800.	0.4	32
18	Functional properties of murine bestrophin 1 channel. <i>Biochemical and Biophysical Research Communications</i> , 2009, 384, 476-481.	2.1	31

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19	Electrical Slow Waves in the Mouse Oviduct Are Dependent upon a Calcium Activated Chloride Conductance Encoded by Tmem16a1. <i>Biology of Reproduction</i> , 2012, 86, 1-7.	2.7	29
20	Functional Characterization of Novel Alternatively Spliced ClC-2 Chloride Channel Variants in the Heart. <i>Journal of Biological Chemistry</i> , 2005, 280, 25871-25880.	3.4	20
21	TRPV3 expression and vasodilator function in isolated uterine radial arteries from non-pregnant and pregnant rats. <i>Vascular Pharmacology</i> , 2016, 83, 66-77.	2.1	20
22	Electrical slow waves in the mouse oviduct are dependent on extracellular and intracellular calcium sources. <i>American Journal of Physiology - Cell Physiology</i> , 2011, 301, C1458-C1469.	4.6	15
23	Functional role of amino terminus in ClC-3 chloride channel regulation by phosphorylation and cell volume. <i>Acta Physiologica</i> , 2006, 187, 5-19.	3.8	13
24	Identification of histamine receptors and effects of histamine on murine and simian colonic excitability. <i>Neurogastroenterology and Motility</i> , 2011, 23, 949.	3.0	13
25	Inhibitory effect of caffeine on pacemaker activity in the oviduct is mediated by cAMP-regulated conductances. <i>British Journal of Pharmacology</i> , 2011, 163, 745-754.	5.4	13
26	Functional and molecular identification of pH-sensitive K ⁺ channels in murine urinary bladder smooth muscle. <i>BJU International</i> , 2008, 102, 113-124.	2.5	11
27	Effect of β_1/β_2 -adrenoceptor blockade on β_3 -adrenoceptor activity in the rat cremaster muscle artery. <i>British Journal of Pharmacology</i> , 2021, 178, 1789-1804.	5.4	4
28	Molecular and Functional Characterization of Murine Bestrophin 1 Cloned from Heart. <i>FASEB Journal</i> , 2008, 22, 1201.25.	0.5	3
29	Alternative Splicing of the murine Tmem16a Transcript in Heart. <i>FASEB Journal</i> , 2010, 24, 1002.28.	0.5	2
30	Calcium-Activated Chloride Channels. , 2010, , 233-256.		1
31	72 An investigation of thymidine kinase 1 from normal and transformed mammary cell lines. <i>Biochemical Society Transactions</i> , 1998, 26, S63-S63.	3.4	0
32	Heart-specific Inducible Inactivation of ClC-3 Gene Eliminates Native Volume-sensitive Outwardly Rectifying Anion Currents (VSOACs) and Results in Cardiac Hypertrophy and Compromised Heart Function. <i>FASEB Journal</i> , 2009, 23, 624.6.	0.5	0
33	Direct interaction of Bestrophin 3 channels with Hrc calcium-handling protein. <i>FASEB Journal</i> , 2012, 26, 695.5.	0.5	0
34	Beta ₃ -Adrenergic Receptors in the Rat Cremaster Muscle Artery. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, PO2-3-13.	0.0	0