

Andrea L Meredith

List of Publications by Year in descending order

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65
papers

3,675
citations

147726

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73
times ranked

3861
citing authors

#	ARTICLE	IF	CITATIONS
1	Lisdexamfetamine Therapy in Paroxysmal Non-kinetic Dyskinesia Associated with the <i>KCNMA1</i> -N999S Variant. <i>Movement Disorders Clinical Practice</i> , 2022, 9, 229-235.	0.8	6
2	An emerging spectrum of variants and clinical features in <i>KCNMA1</i> -linked channelopathy. <i>Channels</i> , 2021, 15, 447-464.	1.5	41
3	Prenatal diagnostic testing challenges with novel gene alterations in <i>KCNMA1</i> -linked channelopathy: a case report. <i>Molecular Genetics and Metabolism</i> , 2021, 132, S317-S318.	0.5	1
4	BK channel activation by L-type Ca^{2+} channels $Ca_v1.2$ and $Ca_v1.3$ during the subthreshold phase of an action potential. <i>Journal of Neurophysiology</i> , 2021, 126, 427-439.	0.9	8
5	Contributions of $Ca_v1.3$ Channels to Ca^{2+} Current and Ca^{2+} -Activated BK Current in the Suprachiasmatic Nucleus. <i>Frontiers in Physiology</i> , 2021, 12, 737291.	1.3	0
6	Comparative Ca^{2+} channel contributions to intracellular Ca^{2+} levels in the circadian clock. <i>Biophysical Reports</i> , 2021, 1, 100005.	0.7	1
7	Diurnal properties of voltage-gated Ca^{2+} currents in suprachiasmatic nucleus and roles in action potential firing. <i>Journal of Physiology</i> , 2020, 598, 1775-1790.	1.3	13
8	Comparative gain-of-function effects of the <i>KCNMA1</i> -N999S mutation on human BK channel properties. <i>Journal of Neurophysiology</i> , 2020, 123, 560-570.	0.9	24
9	Characterization of New Human <i>KCNMA1</i> Loss-of-function Mutations. <i>Biophysical Journal</i> , 2020, 118, 114a.	0.2	3
10	Cataplexy in Patients Harboring the <i>KCNMA1</i> p.N999S Mutation. <i>Movement Disorders Clinical Practice</i> , 2020, 7, 861-862.	0.8	16
11	Ion Channels Controlling Circadian Rhythms in Suprachiasmatic Nucleus Excitability. <i>Physiological Reviews</i> , 2020, 100, 1415-1454.	13.1	65
12	Status Dystonicus, Oculogyric Crisis and Paroxysmal Dyskinesia in a 25 Year-Old Woman with a Novel <i>KCNMA1</i> Variant, K457E. <i>Tremor and Other Hyperkinetic Movements</i> , 2020, 10, 49.	1.1	7
13	<i>KCNMA1</i> -linked channelopathy. <i>Journal of General Physiology</i> , 2019, 151, 1173-1189.	0.9	103
14	Effects of Single Nucleotide Polymorphisms in Human <i>KCNMA1</i> on BK Current Properties. <i>Frontiers in Molecular Neuroscience</i> , 2019, 12, 285.	1.4	10
15	Differential contribution of Ca^{2+} sources to day and night BK current activation in the circadian clock. <i>Journal of General Physiology</i> , 2018, 150, 259-275.	0.9	31
16	BK Channels are Activated by Distinct Calcium Sources during Day and Night in the Circadian Clock. <i>Biophysical Journal</i> , 2018, 114, 132a.	0.2	0
17	Glutamate-activated BK channel complexes formed with NMDA receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E9006-E9014.	3.3	33
18	Expression and Activation of BK Channels in Mice Protects Against Ischemia-Reperfusion Injury of Isolated Hearts by Modulating Mitochondrial Function. <i>Frontiers in Cardiovascular Medicine</i> , 2018, 5, 194.	1.1	35

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19	A voltage-dependent K ⁺ channel in the lysosome is required for refilling lysosomal Ca ²⁺ stores. <i>Journal of Cell Biology</i> , 2017, 216, 1715-1730.	2.3	69
20	BK Channels: Sensors that Switch Membranes between Day and Night States in the Circadian Clock. <i>Biophysical Journal</i> , 2017, 112, 8a.	0.2	0
21	BK Channels Are Required for Multisensory Plasticity in the Oculomotor System. <i>Neuron</i> , 2017, 93, 211-220.	3.8	22
22	The non-diuretic hypotensive effects of thiazides are enhanced during volume depletion states. <i>PLoS ONE</i> , 2017, 12, e0181376.	1.1	6
23	BK channels in microglia are required for morphine-induced hyperalgesia. <i>Nature Communications</i> , 2016, 7, 11697.	5.8	63
24	Docosahexaenoic acid causes rapid pulmonary arterial relaxation via K _{Ca} channel-mediated hyperpolarisation in pulmonary hypertension. <i>European Respiratory Journal</i> , 2016, 48, 1127-1136.	3.1	26
25	BK channel inactivation gates daytime excitability in the circadian clock. <i>Nature Communications</i> , 2016, 7, 10837.	5.8	77
26	MaxiK channel interactome reveals its interaction with GABA transporter 3 and heat shock protein 60 in the mammalian brain. <i>Neuroscience</i> , 2016, 317, 76-107.	1.1	42
27	Alternative Splicing. , 2015, , 545-556.		1
28	Generation of <i>Kcnma1^{fl}-tdTomato</i> , a conditional deletion of the BK channel α subunit in mouse. <i>Physiological Reports</i> , 2015, 3, e12612.	0.7	14
29	BK channels regulate sinoatrial node firing rate and cardiac pacing in vivo. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 307, H1327-H1338.	1.5	56
30	Nuclear BK channels regulate gene expression via the control of nuclear calcium signaling. <i>Nature Neuroscience</i> , 2014, 17, 1055-1063.	7.1	93
31	Evaluation of mouse urinary bladder smooth muscle for diurnal differences in contractile properties. <i>Frontiers in Pharmacology</i> , 2014, 5, 293.	1.6	15
32	Maxik Interaction with Gaba Transporter 3 and Heat Shock Protein 60 in the Mouse Brain. <i>Biophysical Journal</i> , 2013, 104, 366a-367a.	0.2	0
33	Phosphorylation of a constitutive serine inhibits BK channel variants containing the alternate exon α SRK. <i>Journal of General Physiology</i> , 2013, 142, 585-598.	0.9	35
34	BK Gene Disruption Enhances Acute Renal Vascular Response to Angiotensin II. <i>Biophysical Journal</i> , 2013, 104, 471a.	0.2	0
35	Mis-expression of the BK K ⁺ channel disrupts suprachiasmatic nucleus circuit rhythmicity and alters clock-controlled behavior. <i>American Journal of Physiology - Cell Physiology</i> , 2013, 304, C299-C311.	2.1	43
36	Quantitative Localization of Ca ^v 2.1 (P/Q-Type) Voltage-Dependent Calcium Channels in Purkinje Cells: Somatodendritic Gradient and Distinct Somatic Coclustering with Calcium-Activated Potassium Channels. <i>Journal of Neuroscience</i> , 2013, 33, 3668-3678.	1.7	117

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37	mitoBK Ca is encoded by the <i>Kcnma1</i> gene, and a splicing sequence defines its mitochondrial location. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 10836-10841.	3.3	180
38	Olivocochlear suppression of outer hair cells in vivo: evidence for combined action of BK and SK2 channels throughout the cochlea. Journal of Neurophysiology, 2013, 109, 1525-1534.	0.9	44
39	Kv2.2: A Novel Molecular Target to Study the Role of Basal Forebrain GABAergic Neurons in the Sleep-Wake Cycle. Sleep, 2013, 36, 1839-1848.	0.6	24
40	Effect of GsMTx4 on Mouse Urinary Bladder Smooth Muscle (UBSM) Contractility. FASEB Journal, 2013, 27, .	0.2	0
41	Diurnal Variation in Mouse Urinary Bladder Smooth Muscle (UBSM) Contractility. FASEB Journal, 2013, 27, 923.5.	0.2	0
42	Genetic activation of BK currents in vivo generates bidirectional effects on neuronal excitability. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 18997-19002.	3.3	68
43	Genetic Activation of Bk Currents using a Gain-Of-Function Subunit Alters Neuronal Activity. Biophysical Journal, 2012, 102, 691a.	0.2	0
44	Anti-phase Expression of the BK Channel (<i>Kcnma1</i>) Alters Circadian Locomotor Activity in Mice. FASEB Journal, 2012, 26, 1081.5.	0.2	0
45	The effect of transgenic manipulation of the BK channel on circadian rhythmicity in mice. FASEB Journal, 2011, 25, 1061.2.	0.2	0
46	Astrocytic endfoot Ca^{2+} and BK channels determine both arteriolar dilation and constriction. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 3811-3816.	3.3	265
47	A Role for BK Channels in Heart Rate Regulation in Rodents. PLoS ONE, 2010, 5, e8698.	1.1	50
48	Diurnal Variation in Urodynamics of Rat. PLoS ONE, 2010, 5, e12298.	1.1	47
49	I^2 -Adrenergic relaxation of mouse urinary bladder smooth muscle in the absence of large-conductance Ca^{2+} -activated K^{+} channel. American Journal of Physiology - Renal Physiology, 2008, 295, F1149-F1157.	1.3	57
50	Hypercontractility and impaired sildenafil relaxations in the BK Ca channel deletion model of erectile dysfunction. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 295, R181-R188.	0.9	28
51	The Molecular Mechanism of <i>œRyegrass Staggers</i> , a Neurological Disorder of K^{+} Channels. Journal of Pharmacology and Experimental Therapeutics, 2008, 327, 657-664.	1.3	100
52	Roles of BK and Kir channels in the coupling of neural activity to vasodilation in the somatosensory cortex in vivo. FASEB Journal, 2008, 22, 634-634.	0.2	1
53	BK Channels Regulate Spontaneous Action Potential Rhythmicity in the Suprachiasmatic Nucleus. PLoS ONE, 2008, 3, e3884.	1.1	48
54	Cochlear Function in Mice Lacking the BK Channel I^1 , I^2 , or I^4 Subunits. Journal of Biological Chemistry, 2007, 282, 3312-3324.	1.6	83

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55	Frequency encoding of cholinergic- and purinergic-mediated signaling to mouse urinary bladder smooth muscle: modulation by BK channels. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 292, R616-R624.	0.9	59
56	Hyper-contractility and impaired cGMP signaling in the BKCa channel deletion model of erectile dysfunction. <i>BMC Pharmacology</i> , 2007, 7, .	0.4	1
57	BK calcium-activated potassium channels regulate circadian behavioral rhythms and pacemaker output. <i>Nature Neuroscience</i> , 2006, 9, 1041-1049.	7.1	225
58	Local potassium signaling couples neuronal activity to vasodilation in the brain. <i>Nature Neuroscience</i> , 2006, 9, 1397-1403.	7.1	487
59	Immunolocalization of the Ca ²⁺ -activated K ⁺ channel Slo1 in axons and nerve terminals of mammalian brain and cultured neurons. <i>Journal of Comparative Neurology</i> , 2006, 496, 289-302.	0.9	120
60	Erectile dysfunction in mice lacking the large-conductance calcium-activated potassium (BK) channel. <i>Journal of Physiology</i> , 2005, 567, 545-556.	1.3	124
61	Heart failure after long-term supravalvular aortic constriction in rats. <i>American Journal of Hypertension</i> , 2005, 18, 202-212.	1.0	46
62	Overactive Bladder and Incontinence in the Absence of the BK Large Conductance Ca ²⁺ -activated K ⁺ Channel. <i>Journal of Biological Chemistry</i> , 2004, 279, 36746-36752.	1.6	300
63	Negative Autoregulation of Mash1 Expression in CNS Development. <i>Developmental Biology</i> , 2000, 222, 336-346.	0.9	45
64	Correct Coordination of Neuronal Differentiation Events in Ventral Forebrain Requires the bHLH Factor MASH1. <i>Molecular and Cellular Neurosciences</i> , 1999, 14, 355-369.	1.0	174
65	BK channel properties correlate with neurobehavioral severity in three KCNMA1-linked channelopathy mouse models. <i>ELife</i> , 0, 11, .	2.8	17