

# Yan-Ai Mei

## List of Publications by Year in descending order

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56  
papers

1,086  
citations

394421

19  
h-index

477307

29  
g-index

59  
all docs

59  
docs citations

59  
times ranked

1554  
citing authors

#	ARTICLE	IF	CITATIONS
1	Targeting A-type K <sup>+</sup> channels in primary sensory neurons for bone cancer pain in a rat model. <i>Pain</i> , 2012, 153, 562-574.	4.2	62
2	Extremely Low Frequency Electromagnetic Fields Facilitate Vesicle Endocytosis by Increasing Presynaptic Calcium Channel Expression at a Central Synapse. <i>Scientific Reports</i> , 2016, 6, 21774.	3.3	49
3	4-Aminopyridine, a Kv channel antagonist, prevents apoptosis of rat cerebellar granule neurons. <i>Neuropharmacology</i> , 2006, 51, 737-746.	4.1	44
4	Neuritin Activates Insulin Receptor Pathway to Up-regulate Kv4.2-mediated Transient Outward K <sup>+</sup> Current in Rat Cerebellar Granule Neurons. <i>Journal of Biological Chemistry</i> , 2012, 287, 41534-41545.	3.4	41
5	Resveratrol inhibits Kv2.2 currents through the estrogen receptor GPR30-mediated PKC pathway. <i>American Journal of Physiology - Cell Physiology</i> , 2013, 305, C547-C557.	4.6	40
6	Melatonin receptor agonist 2-iodomelatonin prevents apoptosis of cerebellar granule neurons via K <sup>+</sup> current inhibition. <i>Journal of Pineal Research</i> , 2004, 36, 109-116.	7.4	39
7	Exposure to Extremely Low-Frequency Electromagnetic Fields Modulates Na <sup>+</sup> Currents in Rat Cerebellar Granule Cells through Increase of AA/PGE2 and EP Receptor-Mediated cAMP/PKA Pathway. <i>PLoS ONE</i> , 2013, 8, e54376.	2.5	39
8	Delayed rectifier outward K <sup>+</sup> current mediates the migration of rat cerebellar granule cells stimulated by melatonin. <i>Journal of Neurochemistry</i> , 2007, 102, 333-344.	3.9	37
9	Exposure to extremely low-frequency electromagnetic fields inhibits T-type calcium channels via AA/LTE4 signaling pathway. <i>Cell Calcium</i> , 2014, 55, 48-58.	2.4	36
10	cAMP/protein kinase A signalling pathway protects against neuronal apoptosis and is associated with modulation of Kv2.1 in cerebellar granule cells. <i>Journal of Neurochemistry</i> , 2007, 100, 979-991.	3.9	35
11	Diclofenac, a nonsteroidal anti-inflammatory drug, activates the transient outward K <sup>+</sup> current in rat cerebellar granule cells. <i>Neuropharmacology</i> , 2005, 48, 918-926.	4.1	32
12	Kv 1.1 is associated with neuronal apoptosis and modulated by protein kinase C in the rat cerebellar granule cell. <i>Journal of Neurochemistry</i> , 2008, 106, 1125-1137.	3.9	32
13	Neuritin reverses deficits in murine novel object associative recognition memory caused by exposure to extremely low-frequency (50 Hz) electromagnetic fields. <i>Scientific Reports</i> , 2015, 5, 11768.	3.3	31
14	2-Iodomelatonin prevents apoptosis of cerebellar granule neurons via inhibition of A-type transient outward K <sup>+</sup> currents. <i>Journal of Pineal Research</i> , 2005, 38, 53-61.	7.4	30
15	Neuritin Up-regulates Kv4.2 $\beta$ -Subunit of Potassium Channel Expression and Affects Neuronal Excitability by Regulating the Calcium-Calcineurin-NFATc4 Signaling Pathway. <i>Journal of Biological Chemistry</i> , 2016, 291, 17369-17381.	3.4	29
16	Activation of melatonin receptor increases a delayed rectifier K <sup>+</sup> current in rat cerebellar granule cells. <i>Brain Research</i> , 2001, 917, 182-190.	2.2	28
17	Neuregulin-1/ErbB4 signaling regulates Kv4.2-mediated transient outward K <sup>+</sup> current through the Akt/mTOR pathway. <i>American Journal of Physiology - Cell Physiology</i> , 2013, 305, C197-C206.	4.6	28
18	Effect of 1.8 GHz radiofrequency electromagnetic radiation on novel object associative recognition memory in mice. <i>Scientific Reports</i> , 2017, 7, 44521.	3.3	25

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19	Small-Conductance Ca <sup>2+</sup> -Activated Potassium Channels Negatively Regulate Aldosterone Secretion in Human Adrenocortical Cells. <i>Hypertension</i> , 2016, 68, 785-795.	2.7	24
20	Functions and the related signaling pathways of the neurotrophic factor neuritin. <i>Acta Pharmacologica Sinica</i> , 2018, 39, 1414-1420.	6.1	23
21	Cholesterol enhances neuron susceptibility to apoptotic stimuli via cAMP/PKA/CREB-dependent upregulation of Kv2.1. <i>Journal of Neurochemistry</i> , 2012, 120, 502-514.	3.9	21
22	The non-steroidal anti-inflammatory drug, diclofenac, inhibits Na <sup>+</sup> current in rat myoblasts. <i>Biochemical and Biophysical Research Communications</i> , 2006, 346, 1275-1283.	2.1	19
23	Sigma-1 Receptor Agonists Directly Inhibit NaV1.2/1.4 Channels. <i>PLoS ONE</i> , 2012, 7, e49384.	2.5	19
24	GDF15 regulates Kv2.1-mediated outward K <sup>+</sup> current through the Akt/mTOR signalling pathway in rat cerebellar granule cells. <i>Biochemical Journal</i> , 2014, 460, 35-47.	3.7	19
25	Growth differentiation factor-15 promotes glutamate release in medial prefrontal cortex of mice through upregulation of T-type calcium channels. <i>Scientific Reports</i> , 2016, 6, 28653.	3.3	19
26	Arachidonic acid modulates Na <sup>+</sup> currents by non-metabolic and metabolic pathways in rat cerebellar granule cells. <i>Biochemical Journal</i> , 2011, 438, 203-215.	3.7	18
27	TGF $\beta$ 1 enhances Kv2.1 potassium channel protein expression and promotes maturation of cerebellar granule neurons. <i>Journal of Cellular Physiology</i> , 2012, 227, 297-307.	4.1	18
28	Neuritin Enhances Synaptic Transmission in Medial Prefrontal Cortex in Mice by Increasing Cav3.3 Surface Expression. <i>Cerebral Cortex</i> , 2017, 27, 3842-3855.	2.9	16
29	ET-1 inhibits B-16 murine melanoma cell migration by decreasing K <sup>+</sup> currents. <i>Cytoskeleton</i> , 2004, 58, 127-136.	4.4	15
30	$\alpha$ 4 $\beta$ 2 modulates GABA <sub>A</sub> receptor $\alpha$ 6 subunit expression and rat cerebellar granule neuron maturation through the ERK/mTOR pathway. <i>Journal of Neurochemistry</i> , 2014, 128, 350-362.	3.9	15
31	Amoxapine Inhibits the Delayed Rectifier Outward K <sup>+</sup> Current in Mouse Cortical Neurons via cAMP/Protein Kinase A Pathways. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010, 332, 437-445.	2.5	14
32	Luzindole, a melatonin receptor antagonist, inhibits the transient outward K <sup>+</sup> current in rat cerebellar granule cells. <i>Brain Research</i> , 2003, 970, 169-177.	2.2	12
33	Elevation of intracellular Ca <sup>2+</sup> modulates A-currents in rat cerebellar granule neurons. <i>Journal of Neuroscience Research</i> , 2005, 81, 530-540.	2.9	11
34	The antidepressant citalopram inhibits delayed rectifier outward K <sup>+</sup> current in mouse cortical neurons. <i>Journal of Neuroscience Research</i> , 2012, 90, 324-336.	2.9	11
35	Melatonin protects rat cerebellar granule cells against electromagnetic field-induced increases in Na <sup>+</sup> currents through intracellular Ca <sup>2+</sup> release. <i>Journal of Cellular and Molecular Medicine</i> , 2014, 18, 1060-1070.	3.6	11
36	GDF-15 enhances intracellular Ca <sup>2+</sup> by increasing Cav1.3 expression in rat cerebellar granule neurons. <i>Biochemical Journal</i> , 2016, 473, 1895-1904.	3.7	11

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37	Cyproheptadine Enhances the IK of Mouse Cortical Neurons through Sigma-1 Receptor-Mediated Intracellular Signal Pathway. PLoS ONE, 2012, 7, e41303.	2.5	11
38	K <sup>+</sup> channels and the cAMP/PKA pathway modulate TGF- $\beta$ 1-induced migration of rat vascular myofibroblasts. Journal of Cellular Physiology, 2008, 216, 835-843.	4.1	10
39	Hydrogen peroxide enhanced Ca <sup>2+</sup> -activated BK currents and promoted cell injury in human dermal fibroblasts. Life Sciences, 2012, 90, 424-431.	4.3	10
40	Flotillin-1 downregulates K <sup>+</sup> current by directly coupling with Kv2.1 subunit. Protein and Cell, 2016, 7, 455-460.	11.0	10
41	Flufenamic Acid Bi-Directionally Modulates the Transient Outward K <sup>+</sup> Current in Rat Cerebellar Granule Cells. Journal of Pharmacology and Experimental Therapeutics, 2007, 322, 195-204.	2.5	9
42	Neuritin promotes neurite and spine growth in rat cerebellar granule cells via L-type calcium channel-mediated calcium influx. Journal of Neurochemistry, 2018, 147, 40-57.	3.9	9
43	C6-ceramide inhibited Na <sup>+</sup> currents by intracellular Ca <sup>2+</sup> release in rat myoblasts. Journal of Cellular Physiology, 2007, 213, 151-160.	4.1	8
44	Bradykinin inhibits the transient outward K <sup>+</sup> current in mouse Schwann cells via the cAMP/PKA pathway. American Journal of Physiology - Cell Physiology, 2009, 296, C1364-C1372.	4.6	8
45	PLC-dependent intracellular Ca <sup>2+</sup> release was associated with C <sub>6</sub> -ceramide-induced inhibition of Na <sup>+</sup> current in rat granule cells. Journal of Neurochemistry, 2008, 106, 2463-2475.	3.9	7
46	Modulation of muscle rNa <sub>v</sub> 1.4 Na <sup>+</sup> channel isoform by arachidonic acid and its non-metabolized analog. Journal of Cellular Physiology, 2009, 219, 173-182.	4.1	7
47	Protein Kinase C Controls the Excitability of Cortical Pyramidal Neurons by Regulating Kv2.2 Channel Activity. Neuroscience Bulletin, 2022, 38, 135-148.	2.9	7
48	TGF- $\beta$ 1 induces the expression of fast inactivating K <sup>+</sup> (IA) channels in rat vascular myofibroblasts. Biochemical and Biophysical Research Communications, 2003, 301, 17-23.	2.1	6
49	Inhibition of Na <sup>+</sup> channel currents in rat myoblasts by 4-aminopyridine. Toxicology and Applied Pharmacology, 2005, 207, 275-282.	2.8	6
50	Mefenamic acid bi-directionally modulates the transient outward K <sup>+</sup> current in rat cerebellar granule cells. Toxicology and Applied Pharmacology, 2008, 226, 225-235.	2.8	6
51	PKC pathway associated with the expression of an A-type K <sup>+</sup> channel induced by TGF- $\beta$ 1 in rat vascular myofibroblasts. Biochemical and Biophysical Research Communications, 2005, 336, 854-859.	2.1	5
52	Exposure to 50 Hz magnetic field modulates GABA <sub>A</sub> currents in cerebellar granule neurons through an EP <sub>3</sub> receptor-mediated PKC pathway. Journal of Cellular and Molecular Medicine, 2015, 19, 2413-2422.	3.6	5
53	cAMP/PKA Pathways and S56 Phosphorylation Are Involved in AA/PGE <sub>2</sub> -Induced Increases in rNaV1.4 Current. PLoS ONE, 2015, 10, e0140715.	2.5	4
54	Neuritin improves the neurological functional recovery after experimental intracerebral hemorrhage in mice. Neurobiology of Disease, 2021, 156, 105407.	4.4	3

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55	Brain natriuretic peptide modulates the delayed rectifier outward $K^{+}$ current and promotes the proliferation of mouse schwann cells. <i>Journal of Cellular Physiology</i> , 2011, 226, 440-449.	4.1	2
56	Cyproheptadine Regulates Pyramidal Neuron Excitability in Mouse Medial Prefrontal Cortex. <i>Neuroscience Bulletin</i> , 2018, 34, 759-768.	2.9	0