

# Gui-Rong Li

## List of Publications by Year in descending order

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73  
papers

3,849  
citations

147726

31  
h-index

123376

61  
g-index

75  
all docs

75  
docs citations

75  
times ranked

4165  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence for Two Components of Delayed Rectifier K <sup>+</sup> Current in Human Ventricular Myocytes. <i>Circulation Research</i> , 1996, 78, 689-696.	2.0	409
2	Antisense Oligodeoxynucleotides Directed Against Kv1.5 mRNA Specifically Inhibit Ultrarapid Delayed Rectifier K <sup>+</sup> Current in Cultured Adult Human Atrial Myocytes. <i>Circulation Research</i> , 1997, 80, 572-579.	2.0	257
3	Characterization of a transient outward K <sup>+</sup> current with inward rectification in canine ventricular myocytes. <i>American Journal of Physiology - Cell Physiology</i> , 1998, 274, C577-C585.	2.1	251
4	Transmural action potential and ionic current remodeling in ventricles of failing canine hearts. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002, 283, H1031-H1041.	1.5	219
5	Transmural heterogeneity of action potentials and $I_{Kr}$ in myocytes isolated from the human right ventricle. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1998, 275, H369-H377.	1.5	164
6	Characterization of Ionic Currents in Human Mesenchymal Stem Cells from Bone Marrow. <i>Stem Cells</i> , 2005, 23, 371-382.	1.4	130
7	Acacetin, a Natural Flavone, Selectively Inhibits Human Atrial Repolarization Potassium Currents and Prevents Atrial Fibrillation in Dogs. <i>Circulation</i> , 2008, 117, 2449-2457.	1.6	119
8	Adrenergic Modulation of Ultrarapid Delayed Rectifier K <sup>+</sup> Current in Human Atrial Myocytes. <i>Circulation Research</i> , 1996, 78, 903-915.	2.0	113
9	Ionic current abnormalities associated with prolonged action potentials in cardiomyocytes from diseased human right ventricles. <i>Heart Rhythm</i> , 2004, 1, 460-468.	0.3	112
10	Characterization of Multiple Ion Channels in Cultured Human Cardiac Fibroblasts. <i>PLoS ONE</i> , 2009, 4, e7307.	1.1	111
11	Omega-3 polyunsaturated fatty acids inhibit transient outward and ultra-rapid delayed rectifier K <sup>+</sup> currents and Na <sup>+</sup> current in human atrial myocytes. <i>Cardiovascular Research</i> , 2009, 81, 286-293.	1.8	102
12	Heterogeneity of Sodium Current in Atrial vs Epicardial Ventricular Myocytes of Adult Guinea Pig Hearts. <i>Journal of Molecular and Cellular Cardiology</i> , 2002, 34, 1185-1194.	0.9	84
13	Regulation of cell proliferation by intermediate-conductance Ca <sup>2+</sup> -activated potassium and volume-sensitive chloride channels in mouse mesenchymal stem cells. <i>American Journal of Physiology - Cell Physiology</i> , 2008, 295, C1409-C1416.	2.1	79
14	Ion Channels in Mesenchymal Stem Cells from Rat Bone Marrow. <i>Stem Cells</i> , 2006, 24, 1519-1528.	1.4	74
15	Calcium-activated transient outward chloride current and phase 1 repolarization of swine ventricular action potential. <i>Cardiovascular Research</i> , 2003, 58, 89-98.	1.8	64
16	Differential Effects of Tyrosine Kinase Inhibitors on Volume-sensitive Chloride Current in Human Atrial Myocytes. <i>Journal of General Physiology</i> , 2004, 123, 427-439.	0.9	63
17	Both EGFR kinase and Src-related tyrosine kinases regulate human ether- $\alpha$ -go-go-related gene potassium channels. <i>Cellular Signalling</i> , 2008, 20, 1815-1821.	1.7	56
18	Multiple Ca <sup>2+</sup> signaling pathways regulate intracellular Ca <sup>2+</sup> activity in human cardiac fibroblasts. <i>Journal of Cellular Physiology</i> , 2010, 223, 68-75.	2.0	56

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19	The membrane permeable calcium chelator BAPTA-AM directly blocks human ether a-go-go-related gene potassium channels stably expressed in HEK 293 cells. <i>Biochemical Pharmacology</i> , 2007, 74, 1596-1607.	2.0	55
20	The Natural Flavone Acacetin Confers Cardiomyocyte Protection Against Hypoxia/Reoxygenation Injury via AMPK-Mediated Activation of Nrf2 Signaling Pathway. <i>Frontiers in Pharmacology</i> , 2018, 9, 497.	1.6	55
21	Evidence for functional expression of TRPM7 channels in human atrial myocytes. <i>Basic Research in Cardiology</i> , 2012, 107, 282.	2.5	54
22	Functional ion channels in stem cells. <i>World Journal of Stem Cells</i> , 2011, 3, 19.	1.3	49
23	hKv1.5 and hKv1.2 Channels Regulate Cell Proliferation and Differentiation in Human Bone Marrow-Derived Mesenchymal Stem Cells. <i>Journal of Cellular Physiology</i> , 2014, 229, 202-212.	2.0	47
24	Regulation of voltage-gated cardiac sodium current by epidermal growth factor receptor kinase in guinea pig ventricular myocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2007, 42, 760-768.	0.9	44
25	Pharmacology of Cardiac Potassium Channels. <i>Advances in Pharmacology</i> , 2010, 59, 93-134.	1.2	43
26	Acacetin causes a frequency- and use-dependent blockade of hKv1.5 channels by binding to the S6 domain. <i>Journal of Molecular and Cellular Cardiology</i> , 2011, 51, 966-973.	0.9	41
27	Water-soluble acacetin prodrug confers significant cardioprotection against ischemia/reperfusion injury. <i>Scientific Reports</i> , 2016, 6, 36435.	1.6	41
28	Doxorubicin cardiomyopathy is ameliorated by acacetin via Sirt1-mediated activation of AMPK/Nrf2 signal molecules. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 12141-12153.	1.6	39
29	Characterization of calcium signaling pathways in human preadipocytes. <i>Journal of Cellular Physiology</i> , 2009, 220, 765-770.	2.0	37
30	Acacetin Protects Against High Glucose-Induced Endothelial Cells Injury by Preserving Mitochondrial Function via Activating Sirt1/Sirt3/AMPK Signals. <i>Frontiers in Pharmacology</i> , 2020, 11, 607796.	1.6	35
31	Adenosine-5'-triphosphate up-regulates proliferation of human cardiac fibroblasts. <i>British Journal of Pharmacology</i> , 2012, 166, 1140-1150.	2.7	34
32	Protein tyrosine kinase-dependent modulation of voltage-dependent potassium channels by genistein in rat cardiac ventricular myocytes. <i>Cellular Signalling</i> , 2004, 16, 333-341.	1.7	33
33	Intravenous Anesthetic Propofol Inhibits Multiple Human Cardiac Potassium Channels. <i>Anesthesiology</i> , 2015, 122, 571-584.	1.3	32
34	Inhibition of ultra-rapid delayed rectifier K <sup>+</sup> current by verapamil in human atrial myocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2004, 36, 257-263.	0.9	30
35	Existence of a transient outward K <sup>+</sup> current in guinea pig cardiac myocytes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000, 279, H130-H138.	1.5	29
36	Demonstration of calcium-activated transient outward chloride current and delayed rectifier potassium currents in Swine atrial myocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2004, 36, 495-504.	0.9	29

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37	Inhibition of Cardiomyocytes Differentiation of Mouse Embryonic Stem Cells by CD38/cADPR/Ca <sup>2+</sup> Signaling Pathway. <i>Journal of Biological Chemistry</i> , 2012, 287, 35599-35611.	1.6	29
38	Functional TRPV and TRPM channels in human preadipocytes. <i>Pflugers Archiv European Journal of Physiology</i> , 2014, 466, 947-959.	1.3	29
39	Functional transient receptor potential canonical type 1 channels in human atrial myocytes. <i>Pflugers Archiv European Journal of Physiology</i> , 2013, 465, 1439-1449.	1.3	28
40	Cardiac senescence is alleviated by the natural flavone acacetin via enhancing mitophagy. <i>Aging</i> , 2021, 13, 16381-16403.	1.4	28
41	Cyclic ADP ribose is a novel regulator of intracellular Ca <sup>2+</sup> oscillations in human bone marrow mesenchymal stem cells. <i>Journal of Cellular and Molecular Medicine</i> , 2011, 15, 2684-2696.	1.6	27
42	Synthesis of a highly water-soluble acacetin prodrug for treating experimental atrial fibrillation in beagle dogs. <i>Scientific Reports</i> , 2016, 6, 25743.	1.6	25
43	SKF-96365 blocks human ether-Å-go-go-related gene potassium channels stably expressed in HEK 293 cells. <i>Pharmacological Research</i> , 2016, 104, 61-69.	3.1	25
44	Properties and Molecular Determinants of the Natural Flavone Acacetin for Blocking hKv4.3 Channels. <i>PLoS ONE</i> , 2013, 8, e57864.	1.1	25
45	TRPC1/TRPC3 channels mediate lysophosphatidylcholine-induced apoptosis in cultured human coronary artery smooth muscles cells. <i>Oncotarget</i> , 2016, 7, 50937-50951.	0.8	25
46	Human Kir2.1 channel carries a transient outward potassium current with inward rectification. <i>Pflugers Archiv European Journal of Physiology</i> , 2009, 457, 1275-1285.	1.3	24
47	Characterization of functional ion channels in human cardiac c-kit <sup>+</sup> progenitor cells. <i>Basic Research in Cardiology</i> , 2014, 109, 407.	2.5	24
48	Roles of store-operated Ca <sup>2+</sup> channels in regulating cell cycling and migration of human cardiac c-kit <sup>+</sup> progenitor cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H1772-H1781.	1.5	23
49	Electrophysiological mechanisms by which hypothyroidism delays repolarization in guinea pig hearts. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1999, 277, H211-H220.	1.5	21
50	Epidermal growth factor receptor tyrosine kinase regulates the human inward rectifier potassium KIR2.3 channel, stably expressed in HEK 293 cells. <i>British Journal of Pharmacology</i> , 2011, 164, 1469-1478.	2.7	21
51	Modulation of human cardiac transient outward potassium current by EGFR tyrosine kinase and Src-family kinases. <i>Cardiovascular Research</i> , 2012, 93, 424-433.	1.8	21
52	SKF-96365 strongly inhibits voltage-gated sodium current in rat ventricular myocytes. <i>Pflugers Archiv European Journal of Physiology</i> , 2015, 467, 1227-1236.	1.3	21
53	Functional TRPV2 and TRPV4 channels in human cardiac c-kit <sup>+</sup> progenitor cells. <i>Journal of Cellular and Molecular Medicine</i> , 2016, 20, 1118-1127.	1.6	21
54	Distinctive property and pharmacology of voltage-gated sodium current in rat atrial vs ventricular myocytes. <i>Heart Rhythm</i> , 2016, 13, 762-770.	0.3	20

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55	Regulation of human cardiac KCNQ1/KCNE1 channel by epidermal growth factor receptor kinase. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010, 1798, 995-1001.	1.4	19
56	The Natural Flavone Acacetin Blocks Small Conductance Ca <sup>2+</sup> -Activated K <sup>+</sup> Channels Stably Expressed in HEK 293 Cells. <i>Frontiers in Pharmacology</i> , 2017, 8, 716.	1.6	19
57	The selective estrogen receptor modulator raloxifene inhibits cardiac delayed rectifier potassium currents and voltage-gated sodium current without QTc interval prolongation. <i>Pharmacological Research</i> , 2010, 62, 384-390.	3.1	18
58	Genistein and tyrphostin AG556 inhibit inwardly-rectifying Kir2.1 channels expressed in HEK 293 cells via protein tyrosine kinase inhibition. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 1993-1999.	1.4	16
59	Human ether-Å-go-go gene potassium channels are regulated by EGFR tyrosine kinase. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2012, 1823, 282-289.	1.9	15
60	Effects of BKCa and Kir2.1 Channels on Cell Cycling Progression and Migration in Human Cardiac c-kit <sup>+</sup> Progenitor Cells. <i>PLoS ONE</i> , 2015, 10, e0138581.	1.1	14
61	Acacetin ameliorates cardiac hypertrophy by activating Sirt1/AMPK/PGC-1 $\beta$ pathway. <i>European Journal of Pharmacology</i> , 2022, 920, 174858.	1.7	14
62	Acacetin attenuates diabetes-induced cardiomyopathy by inhibiting oxidative stress and energy metabolism via PPAR-1 $\alpha$ /AMPK pathway. <i>European Journal of Pharmacology</i> , 2022, 922, 174916.	1.7	14
63	Clemizole hydrochloride blocks cardiac potassium currents stably expressed in HEK 293 cells. <i>British Journal of Pharmacology</i> , 2017, 174, 254-266.	2.7	13
64	Bradykinin regulates cell growth and migration in cultured human cardiac c-Kit <sup>+</sup> progenitor cells. <i>Oncotarget</i> , 2017, 8, 10822-10835.	0.8	13
65	Bradykinin-mediated Ca <sup>2+</sup> signalling regulates cell growth and mobility in human cardiac c-Kit <sup>+</sup> progenitor cells. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 4688-4699.	1.6	11
66	EGFR tyrosine kinase regulates human small-conductance Ca <sup>2+</sup> -activated K <sup>+</sup> (hSKCa1) channels expressed in HEK-293 cells. <i>Biochemical Journal</i> , 2013, 452, 121-129.	1.7	10
67	Allitridi Inhibits Multiple Cardiac Potassium Channels Expressed in HEK 293 Cells. <i>PLoS ONE</i> , 2012, 7, e51550.	1.1	10
68	The calmodulin inhibitor N-(6-aminohexyl)-5-chloro-1-naphthalene sulphonamide directly blocks human ether-Å-go-go-related gene potassium channels stably expressed in human embryonic kidney 293 cells. <i>British Journal of Pharmacology</i> , 2010, 161, 872-884.	2.7	8
69	Genistein and tyrphostin AG556 decrease ultra-rapidly activating delayed rectifier K <sup>+</sup> current of human atria by inhibiting EGF receptor tyrosine kinase. <i>British Journal of Pharmacology</i> , 2017, 174, 454-467.	2.7	6
70	Comparative study of carvedilol and quinidine for inhibiting hKv4.3 channel stably expressed in HEK 293 cells. <i>European Journal of Pharmacology</i> , 2019, 853, 74-83.	1.7	6
71	Tyrphostin AG556 increases the activity of large conductance Ca <sup>2+</sup> -activated K <sup>+</sup> channels by inhibiting epidermal growth factor receptor tyrosine kinase. <i>Journal of Cellular and Molecular Medicine</i> , 2017, 21, 1826-1834.	1.6	5
72	Noradrenaline up-regulates volume-regulated chloride current by PKA-independent cAMP/exchange protein activated by cAMP pathway in human atrial myocytes. <i>British Journal of Pharmacology</i> , 2018, 175, 3422-3432.	2.7	5

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73	Regulation of the TRPC1 channel by endothelin-1 in human atrial myocytes. Heart Rhythm, 2019, 16, 1575-1583.	0.3	3