Tong Lu

List of Publications by Year
in descending order

53	2,114	201674	233421
papers	citations	27 h-index	45 g-index

57	57	57	2411
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Changes in ion channel expression and function associated with cardiac arrhythmogenic remodeling by Sorbs2. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2021, 1867, 166247.	3.8	4
2	Coronary Large Conductance Ca2+-Activated K+ Channel Dysfunction in Diabetes Mellitus. Frontiers in Physiology, 2021, 12, 750618.	2.8	2
3	Knockout of SORBS2 Protein Disrupts the Structural Integrity of Intercalated Disc and Manifests Features of Arrhythmogenic Cardiomyopathy. Journal of the American Heart Association, 2020, 9, e017055.	3.7	32
4	Regulation of KCNMA1 transcription by Nrf2 in coronary arterial smooth muscle cells. Journal of Molecular and Cellular Cardiology, 2020, 140, 68-76.	1.9	7
5	Membrane trafficking of large conductance Ca2+- and voltage-activated K+ (BK) channels is regulated by Rab4 GTPase. Biochimica Et Biophysica Acta - Molecular Cell Research, 2020, 1867, 118646.	4.1	2
6	Downregulation of BK channel function and protein expression in coronary arteriolar smooth muscle cells of type 2 diabetic patients. Cardiovascular Research, 2019, 115, 145-153.	3.8	15
7	F-box protein-32 down-regulates small-conductance calcium-activated potassium channel 2 in diabetic mouse atria. Journal of Biological Chemistry, 2019, 294, 4160-4168.	3.4	10
8	Impairment of amyloid precursor protein alpha-processing in cerebral microvessels of type 1 diabetic mice. Journal of Cerebral Blood Flow and Metabolism, 2019, 39, 1085-1098.	4.3	4
9	Mechanisms of BK Channel Activation by Docosahexaenoic Acid in Rat Coronary Arterial Smooth Muscle Cells. Frontiers in Pharmacology, 2018, 9, 223.	3.5	6
10	Role of prostacyclin signaling in endothelial production of soluble amyloid precursor protein-Î± in cerebral microvessels. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 106-122.	4.3	16
11	Regulation of cardiac CACNB2 by microRNA-499: Potential role in atrial fibrillation. BBA Clinical, 2017, 7, 78-84.	4.1	36
12	Regulation of vascular large-conductance calcium-activated potassium channels by Nrf2 signalling. Diabetes and Vascular Disease Research, 2017, 14, 353-362.	2.0	18
13	Role of Nrf2 Signaling in the Regulation of Vascular BK Channel Î²1 Subunit Expression and BK Channel Function in High-Fat Dietâ€“Induced Diabetic Mice. Diabetes, 2017, 66, 2681-2690.	0.6	34
14	Endothelial Caveolae-TRPV4-SK Channel Interactions in Shear Stress-Mediated Coronary Arteriole Dilation. Biophysical Journal, 2017, 112, 253a.	0.5	0
15	Regulation of Coronary Arterial Large Conductance Ca²⁺-Activated K⁺ Channel Protein Expression and Function by n-3 Polyunsaturated Fatty Acids in Diabetic Rats. Journal of Vascular Research, 2017, 54, 329-343.	1.4	16
16	Role of the endothelial caveolae microdomain in shear stressâ€“mediated coronary vasorelaxation. Journal of Biological Chemistry, 2017, 292, 19013-19023.	3.4	30
17	Regulation of vascular BK channels in diabetes by Nrf2 signaling. Diabetes Research and Clinical Practice, 2016, 120, S90.	2.8	0
18	Coronary arterial BK channel dysfunction exacerbates ischemia/reperfusion-induced myocardial injury in diabetic mice. Applied Physiology, Nutrition and Metabolism, 2016, 41, 992-1001.	1.9	13

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19	Left Atrial Remodeling and Atrioventricular Coupling in a Canine Model of Early Heart Failure With Preserved Ejection Fraction. Circulation: Heart Failure, 2016, 9, .	3.9	72
20	Down-regulation of the Small Conductance Calcium-activated Potassium Channels in Diabetic Mouse Atria. Journal of Biological Chemistry, 2015, 290, 7016-7026.	3.4	44
21	Hydrogen sulfide impairs shear stress-induced vasodilation in mouse coronary arteries. Pflugers Archiv European Journal of Physiology, 2015, 467, 329-340.	2.8	39
22	Regulation of Large Conductance Ca2+-activated K+ (BK) Channel Î²1 Subunit Expression by Muscle RING Finger Protein 1 in Diabetic Vessels. Journal of Biological Chemistry, 2014, 289, 10853-10864.	3.4	34
23	Paradoxical vasoconstrictive effects of H2S on shear stressâ€mediated vasodilation. FASEB Journal, 2013, 27, 1185.2.	0.5	0
24	Reactive Oxygen Species Signaling Facilitates FOXO-3a/FBXO-Dependent Vascular BK Channel Î²1 Subunit Degradation in Diabetic Mice. Diabetes, 2012, 61, 1860-1868.	0.6	64
25	Molecular mechanisms of diabetic coronary dysfunction due to large conductance Ca2â²-activated Kâ² channel impairment. Chinese Medical Journal, 2012, 125, 2548-55.	2.3	16
26	Activation of Peroxisome Proliferator-Activated Receptorâ€“Î´ Enhances Regenerative Capacity of Human Endothelial Progenitor Cells by Stimulating Biosynthesis of Tetrahydrobiopterin. Hypertension, 2011, 58, 287-294.	2.7	32
27	Activation of vascular BK channels by docosahexaenoic acid is dependent on cytochrome P450 epoxygenase activity. Cardiovascular Research, 2011, 90, 344-352.	3.8	84
28	Muscle-Specific F-Box Only Proteins Facilitate BK Channel Î² ₁ Subunit Downregulation in Vascular Smooth Muscle Cells of Diabetes Mellitus. Circulation Research, 2010, 107, 1454-1459.	4.5	49
29	Regulation of Coronary Arterial BK Channels by Caveolae-Mediated Angiotensin II Signaling in Diabetes Mellitus. Circulation Research, 2010, 106, 1164-1173.	4.5	67
30	F233A Mutation in AT1R Interrupted Caveolae Targeting and Abolished Regulation of hSlo Channel by Angiotensin II. Biophysical Journal, 2010, 98, 124a.	0.5	0
31	Endothelial progenitor cells: functions and clinical application in cardiac and vascular diseases. Academic Journal of Second Military Medical University, 2010, 30, 545-548.	0.0	0
32	Impaired Ca2+-Dependent Activation of Large-Conductance Ca2+-Activated K+ Channels in the Coronary Artery Smooth Muscle Cells of Zucker Diabetic Fatty Rats. Biophysical Journal, 2008, 95, 5165-5177.	0.5	48
33	Angiogenic Function of Prostacyclin Biosynthesis in Human Endothelial Progenitor Cells. Circulation Research, 2008, 103, 80-88.	4.5	97
34	Molecular Mechanisms Mediating Inhibition of Human Large Conductance Ca 2+ -Activated K + Channels by High Glucose. Circulation Research, 2006, 99, 607-616.	4.5	69
35	Inhibition of ATP binding to the carboxyl terminus of Kir6.2 by epoxyeicosatrienoic acids. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2006, 1761, 1041-1049.	2.4	7
36	Cardiac and vascular KATPchannels in rats are activated by endogenous epoxyeicosatrienoic acids through different mechanisms. Journal of Physiology, 2006, 575, 627-644.	2.9	65

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37	Inhibition of PGI2 signaling by miconazole in vascular smooth muscle cells. Prostaglandins and Other Lipid Mediators, 2006, 80, 28-34.	1.9	4
38	Mechanism of rat mesenteric arterial KATP channel activation by 14,15-epoxyeicosatrienoic acid. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 290, H1326-H1336.	3.2	25
39	Nonâ€competitive Inhibition of ATP Binding to the Carboxyl Terminus of Kir6.2 by Epoxyeicosatrienoic Acids. FASEB Journal, 2006, 20, A487.	0.5	0
40	Molecular Determinants of Cardiac KATP Channel Activation by Epoxyeicosatrienoic Acids. Journal of Biological Chemistry, 2005, 280, 19097-19104.	3.4	18
41	Impaired Arachidonic Acid-Mediated Activation of Large-Conductance Ca2+-Activated K+ Channels in Coronary Arterial Smooth Muscle Cells in Zucker Diabetic Fatty Rats. Diabetes, 2005, 54, 2155-2163.	0.6	51
42	Stereospecific Activation of Cardiac ATP-Sensitive K+Channels by Epoxyeicosatrienoic Acids: A Structural Determinant Study. Molecular Pharmacology, 2002, 62, 1076-1083.	2.3	60
43	Molecular Determinants of Intracellular pH Modulation of Human Kv1.4 N-Type Inactivation. Molecular Pharmacology, 2002, 62, 127-134.	2.3	24
44	Localization of Cardiac Sodium Channels in Caveolin-Rich Membrane Domains. Circulation Research, 2002, 90, 443-449.	4.5	201
45	12-Lipoxygenase in porcine coronary microcirculation: implications for coronary vasoregulation. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 280, H693-H704.	3.2	53
46	EET homologs potently dilate coronary microvessels and activate BK_{Ca}channels. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 280, H2430-H2440.	3.2	132
47	Dihydroxyeicosatrienoic acids are potent activators of Ca 2+ â€activated K + channels in isolated rat coronary arterial myocytes. Journal of Physiology, 2001, 534, 651-667.	2.9	76
48	Activation of ATP-sensitive K+ channels by epoxyeicosatrienoic acids in rat cardiac ventricular myocytes. Journal of Physiology, 2001, 537, 811-827.	2.9	32
49	Activation of ATP-sensitive K+ channels by epoxyeicosatrienoic acids in rat cardiac ventricular myocytes. Journal of Physiology, 2001, 537, 811-827.	2.9	69
50	Effects of epoxyeicosatrienoic acids on the cardiac sodium channels in isolated rat ventricular myocytes. Journal of Physiology, 1999, 519, 153-168.	2.9	92
51	Modulation of rat cardiac sodium channel by the stimulatory G protein Î± subunit. Journal of Physiology, 1999, 518, 371-384.	2.9	92
52	KN-93, an inhibitor of multifunctional Ca++/calmodulin-dependent protein kinase, decreases early afterdepolarizations in rabbit heart. Journal of Pharmacology and Experimental Therapeutics, 1998, 287, 996-1006.	2.5	148
53	Impaired Vascular BK Channel Function in Type 2 Diabetes Mellitus. , 0, , .		3