

Tong Lu

List of Publications by Year in descending order

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53
papers

2,114
citations

201674

27
h-index

233421

45
g-index

57
all docs

57
docs citations

57
times ranked

2411
citing authors

#	ARTICLE	IF	CITATIONS
1	Localization of Cardiac Sodium Channels in Caveolin-Rich Membrane Domains. <i>Circulation Research</i> , 2002, 90, 443-449.	4.5	201
2	KN-93, an inhibitor of multifunctional Ca ⁺⁺ /calmodulin-dependent protein kinase, decreases early afterdepolarizations in rabbit heart. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 1998, 287, 996-1006.	2.5	148
3	EET homologs potently dilate coronary microvessels and activate BK _{Ca} channels. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001, 280, H2430-H2440.	3.2	132
4	Angiogenic Function of Prostacyclin Biosynthesis in Human Endothelial Progenitor Cells. <i>Circulation Research</i> , 2008, 103, 80-88.	4.5	97
5	Effects of epoxyeicosatrienoic acids on the cardiac sodium channels in isolated rat ventricular myocytes. <i>Journal of Physiology</i> , 1999, 519, 153-168.	2.9	92
6	Modulation of rat cardiac sodium channel by the stimulatory G protein $\hat{\alpha}$ subunit. <i>Journal of Physiology</i> , 1999, 518, 371-384.	2.9	92
7	Activation of vascular BK channels by docosahexaenoic acid is dependent on cytochrome P450 epoxygenase activity. <i>Cardiovascular Research</i> , 2011, 90, 344-352.	3.8	84
8	Dihydroxyeicosatrienoic acids are potent activators of Ca ²⁺ -activated K ⁺ channels in isolated rat coronary arterial myocytes. <i>Journal of Physiology</i> , 2001, 534, 651-667.	2.9	76
9	Left Atrial Remodeling and Atrioventricular Coupling in a Canine Model of Early Heart Failure With Preserved Ejection Fraction. <i>Circulation: Heart Failure</i> , 2016, 9, .	3.9	72
10	Molecular Mechanisms Mediating Inhibition of Human Large Conductance Ca ²⁺ -Activated K ⁺ Channels by High Glucose. <i>Circulation Research</i> , 2006, 99, 607-616.	4.5	69
11	Activation of ATP-sensitive K ⁺ channels by epoxyeicosatrienoic acids in rat cardiac ventricular myocytes. <i>Journal of Physiology</i> , 2001, 537, 811-827.	2.9	69
12	Regulation of Coronary Arterial BK Channels by Caveolae-Mediated Angiotensin II Signaling in Diabetes Mellitus. <i>Circulation Research</i> , 2010, 106, 1164-1173.	4.5	67
13	Cardiac and vascular KATP channels in rats are activated by endogenous epoxyeicosatrienoic acids through different mechanisms. <i>Journal of Physiology</i> , 2006, 575, 627-644.	2.9	65
14	Reactive Oxygen Species Signaling Facilitates FOXO-3a/FBXO-Dependent Vascular BK Channel $\hat{\alpha}1$ Subunit Degradation in Diabetic Mice. <i>Diabetes</i> , 2012, 61, 1860-1868.	0.6	64
15	Stereospecific Activation of Cardiac ATP-Sensitive K ⁺ Channels by Epoxyeicosatrienoic Acids: A Structural Determinant Study. <i>Molecular Pharmacology</i> , 2002, 62, 1076-1083.	2.3	60
16	12-Lipoxygenase in porcine coronary microcirculation: implications for coronary vasoregulation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001, 280, H693-H704.	3.2	53
17	Impaired Arachidonic Acid-Mediated Activation of Large-Conductance Ca ²⁺ -Activated K ⁺ Channels in Coronary Arterial Smooth Muscle Cells in Zucker Diabetic Fatty Rats. <i>Diabetes</i> , 2005, 54, 2155-2163.	0.6	51
18	Muscle-Specific F-Box Only Proteins Facilitate BK Channel $\hat{\alpha}1$ Subunit Downregulation in Vascular Smooth Muscle Cells of Diabetes Mellitus. <i>Circulation Research</i> , 2010, 107, 1454-1459.	4.5	49

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19	Impaired Ca ²⁺ -Dependent Activation of Large-Conductance Ca ²⁺ -Activated K ⁺ Channels in the Coronary Artery Smooth Muscle Cells of Zucker Diabetic Fatty Rats. <i>Biophysical Journal</i> , 2008, 95, 5165-5177.	0.5	48
20	Down-regulation of the Small Conductance Calcium-activated Potassium Channels in Diabetic Mouse Atria. <i>Journal of Biological Chemistry</i> , 2015, 290, 7016-7026.	3.4	44
21	Hydrogen sulfide impairs shear stress-induced vasodilation in mouse coronary arteries. <i>Pflugers Archiv European Journal of Physiology</i> , 2015, 467, 329-340.	2.8	39
22	Regulation of cardiac CACNB2 by microRNA-499: Potential role in atrial fibrillation. <i>BBA Clinical</i> , 2017, 7, 78-84.	4.1	36
23	Regulation of Large Conductance Ca ²⁺ -activated K ⁺ (BK) Channel β 1 Subunit Expression by Muscle RING Finger Protein 1 in Diabetic Vessels. <i>Journal of Biological Chemistry</i> , 2014, 289, 10853-10864.	3.4	34
24	Role of Nrf2 Signaling in the Regulation of Vascular BK Channel β 1 Subunit Expression and BK Channel Function in High-Fat Diet-Induced Diabetic Mice. <i>Diabetes</i> , 2017, 66, 2681-2690.	0.6	34
25	Activation of Peroxisome Proliferator-Activated Receptor α Enhances Regenerative Capacity of Human Endothelial Progenitor Cells by Stimulating Biosynthesis of Tetrahydrobiopterin. <i>Hypertension</i> , 2011, 58, 287-294.	2.7	32
26	Knockout of SORBS2 Protein Disrupts the Structural Integrity of Intercalated Disc and Manifests Features of Arrhythmogenic Cardiomyopathy. <i>Journal of the American Heart Association</i> , 2020, 9, e017055.	3.7	32
27	Activation of ATP-sensitive K ⁺ channels by epoxyeicosatrienoic acids in rat cardiac ventricular myocytes. <i>Journal of Physiology</i> , 2001, 537, 811-827.	2.9	32
28	Role of the endothelial caveolae microdomain in shear stress-mediated coronary vasorelaxation. <i>Journal of Biological Chemistry</i> , 2017, 292, 19013-19023.	3.4	30
29	Mechanism of rat mesenteric arterial KATP channel activation by 14,15-epoxyeicosatrienoic acid. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 290, H1326-H1336.	3.2	25
30	Molecular Determinants of Intracellular pH Modulation of Human Kv1.4 N-Type Inactivation. <i>Molecular Pharmacology</i> , 2002, 62, 127-134.	2.3	24
31	Molecular Determinants of Cardiac KATP Channel Activation by Epoxyeicosatrienoic Acids. <i>Journal of Biological Chemistry</i> , 2005, 280, 19097-19104.	3.4	18
32	Regulation of vascular large-conductance calcium-activated potassium channels by Nrf2 signalling. <i>Diabetes and Vascular Disease Research</i> , 2017, 14, 353-362.	2.0	18
33	Role of prostacyclin signaling in endothelial production of soluble amyloid precursor protein- β in cerebral microvessels. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 106-122.	4.3	16
34	Regulation of Coronary Arterial Large Conductance Ca ²⁺ -Activated K ⁺ Channel Protein Expression and Function by n-3 Polyunsaturated Fatty Acids in Diabetic Rats. <i>Journal of Vascular Research</i> , 2017, 54, 329-343.	1.4	16
35	Molecular mechanisms of diabetic coronary dysfunction due to large conductance Ca ²⁺ -activated K ⁺ channel impairment. <i>Chinese Medical Journal</i> , 2012, 125, 2548-55.	2.3	16
36	Downregulation of BK channel function and protein expression in coronary arteriolar smooth muscle cells of type 2 diabetic patients. <i>Cardiovascular Research</i> , 2019, 115, 145-153.	3.8	15

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37	Coronary arterial BK channel dysfunction exacerbates ischemia/reperfusion-induced myocardial injury in diabetic mice. <i>Applied Physiology, Nutrition and Metabolism</i> , 2016, 41, 992-1001.	1.9	13
38	F-box protein-32 down-regulates small-conductance calcium-activated potassium channel 2 in diabetic mouse atria. <i>Journal of Biological Chemistry</i> , 2019, 294, 4160-4168.	3.4	10
39	Inhibition of ATP binding to the carboxyl terminus of Kir6.2 by epoxyeicosatrienoic acids. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2006, 1761, 1041-1049.	2.4	7
40	Regulation of KCNMA1 transcription by Nrf2 in coronary arterial smooth muscle cells. <i>Journal of Molecular and Cellular Cardiology</i> , 2020, 140, 68-76.	1.9	7
41	Mechanisms of BK Channel Activation by Docosahexaenoic Acid in Rat Coronary Arterial Smooth Muscle Cells. <i>Frontiers in Pharmacology</i> , 2018, 9, 223.	3.5	6
42	Inhibition of PGI2 signaling by miconazole in vascular smooth muscle cells. <i>Prostaglandins and Other Lipid Mediators</i> , 2006, 80, 28-34.	1.9	4
43	Impairment of amyloid precursor protein alpha-processing in cerebral microvessels of type 1 diabetic mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 1085-1098.	4.3	4
44	Changes in ion channel expression and function associated with cardiac arrhythmogenic remodeling by Sorbs2. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2021, 1867, 166247.	3.8	4
45	Impaired Vascular BK Channel Function in Type 2 Diabetes Mellitus. , 0, , .		3
46	Membrane trafficking of large conductance Ca ²⁺ - and voltage-activated K ⁺ (BK) channels is regulated by Rab4 GTPase. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2020, 1867, 118646.	4.1	2
47	Coronary Large Conductance Ca ²⁺ -Activated K ⁺ Channel Dysfunction in Diabetes Mellitus. <i>Frontiers in Physiology</i> , 2021, 12, 750618.	2.8	2
48	F233A Mutation in AT1R Interrupted Caveolae Targeting and Abolished Regulation of hSlo Channel by Angiotensin II. <i>Biophysical Journal</i> , 2010, 98, 124a.	0.5	0
49	Regulation of vascular BK channels in diabetes by Nrf2 signaling. <i>Diabetes Research and Clinical Practice</i> , 2016, 120, S90.	2.8	0
50	Endothelial Caveolae-TRPV4-SK Channel Interactions in Shear Stress-Mediated Coronary Arteriole Dilation. <i>Biophysical Journal</i> , 2017, 112, 253a.	0.5	0
51	Non-competitive Inhibition of ATP Binding to the Carboxyl Terminus of Kir6.2 by Epoxyeicosatrienoic Acids. <i>FASEB Journal</i> , 2006, 20, A487.	0.5	0
52	Endothelial progenitor cells: functions and clinical application in cardiac and vascular diseases. <i>Academic Journal of Second Military Medical University</i> , 2010, 30, 545-548.	0.0	0
53	Paradoxical vasoconstrictive effects of H ₂ S on shear stress-mediated vasodilation. <i>FASEB Journal</i> , 2013, 27, 1185.2.	0.5	0