

# Sung-Joon Kim

## List of Publications by Year in descending order

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150  
papers

2,535  
citations

201674

27  
h-index

302126

39  
g-index

152  
all docs

152  
docs citations

152  
times ranked

3611  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lower troponin expression in the right ventricle of rats explains interventricular differences in E <sub>a</sub> -C coupling. <i>Journal of General Physiology</i> , 2022, 154, .	1.9	3
2	NADPH Oxidase 1 Mediates Acute Blood Pressure Response to Angiotensin II by Contributing to Calcium Influx in Vascular Smooth Muscle Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2022, 42, 101161ATVBAHA121317239.	2.4	14
3	Adiponectin-derived pentapeptide ameliorates psoriasiform skin inflammation by suppressing IL-17 production in Î³Î´T cells. <i>Journal of Dermatological Science</i> , 2022, 106, 45-52.	1.9	7
4	More evident roles of nNOS for the regulation of Ca <sup>2+</sup> sensitivity and SERCA activity in the right than the left ventricular cardiomyocytes of rats. <i>FASEB Journal</i> , 2022, 36, .	0.5	0
5	Thermosensitivity of the voltage-dependent activation of calcium homeostasis modulator 1 (calhm1) ion channel. <i>Biochemical and Biophysical Research Communications</i> , 2021, 534, 590-596.	2.1	4
6	Higher expression of KCNK10 (TREK-2) K <sup>+</sup> channels and their functional upregulation by lipopolysaccharide treatment in mouse peritoneal B1a cells. <i>Pflügers Archiv European Journal of Physiology</i> , 2021, 473, 659-671.	2.8	2
7	Downregulation of Soluble Guanylate Cyclase and Protein Kinase G With Upregulated ROCK2 in the Pulmonary Artery Leads to Thromboxane A2 Sensitization in Monocrotaline-Induced Pulmonary Hypertensive Rats. <i>Frontiers in Physiology</i> , 2021, 12, 624967.	2.8	7
8	Oxygen-dependent regulation of ion channels: acute responses, post-translational modification, and response to chronic hypoxia. <i>Pflügers Archiv European Journal of Physiology</i> , 2021, 473, 1589-1602.	2.8	5
9	Intramolecular Disulfide Bonds for Biogenesis of CALHM1 Ion Channel Are Dispensable for Voltage-Dependent Activation. <i>Molecules and Cells</i> , 2021, 44, 758-769.	2.6	3
10	Increased inward rectifier K <sup>+</sup> current of coronary artery smooth muscle cells in spontaneously hypertensive rats; partial compensation of the attenuated endothelium-dependent relaxation via Ca <sup>2+</sup> -activated K <sup>+</sup> channels. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2020, 47, 38-48.	1.9	2
11	Teaching cardiac excitation-contraction coupling using a mathematical computer simulation model of human ventricular myocytes. <i>American Journal of Physiology - Advances in Physiology Education</i> , 2020, 44, 323-333.	1.6	6
12	Functional interactions between complex I and complex II with nNOS in regulating cardiac mitochondrial activity in sham and hypertensive rat hearts. <i>Pflügers Archiv European Journal of Physiology</i> , 2020, 472, 1743-1755.	2.8	2
13	Cardiac complex II activity is enhanced by fat and mediates greater mitochondrial oxygen consumption following hypoxic re-oxygenation. <i>Pflügers Archiv European Journal of Physiology</i> , 2020, 472, 367-374.	2.8	8
14	Dual regulatory effects of PI(4,5)P <sub>2</sub> on TREK-2 K <sup>+</sup> channel through antagonizing interaction between the alkaline residues (K <sup>330</sup> and R <sup>355-357</sup> ) in the cytosolic C-terminal helix. <i>Korean Journal of Physiology and Pharmacology</i> , 2020, 24, 555-561.	1.2	4
15	The novel high-frequency variant of TRPV3 p.A628T in East Asians showing faster sensitization in response to chemical agonists. <i>Pflügers Archiv European Journal of Physiology</i> , 2019, 471, 1273-1289.	2.8	2
16	Fast relaxation and desensitization of angiotensin II contraction in the pulmonary artery via AT1R and Akt-mediated phosphorylation of muscular eNOS. <i>Pflügers Archiv European Journal of Physiology</i> , 2019, 471, 1317-1330.	2.8	6
17	Temperature-dependent increase in the calcium sensitivity and acceleration of activation of ANO6 chloride channel variants. <i>Scientific Reports</i> , 2019, 9, 6706.	3.3	11
18	Endurance exercise training restores atrophy-induced decreases of myogenic response and ionic currents in rat skeletal muscle artery. <i>Journal of Applied Physiology</i> , 2019, 126, 1713-1724.	2.5	4

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19	Triple arginine residues in the proximal C-terminus of TREK K <sup>+</sup> channels are critical for biphasic regulation by phosphatidylinositol 4,5-bisphosphate. <i>American Journal of Physiology - Cell Physiology</i> , 2019, 316, C312-C324.	4.6	7
20	Sevoflurane, Propofol and Carvedilol Block Myocardial Protection by Limb Remote Ischemic Preconditioning. <i>International Journal of Molecular Sciences</i> , 2019, 20, 269.	4.1	33
21	Identification of critical amino acids in the proximal C-terminal of TREK-2 K <sup>+</sup> channel for activation by acidic pH and ATP-dependent inhibition. <i>Pflügers Archiv European Journal of Physiology</i> , 2018, 470, 327-337.	2.8	9
22	Mitochondrial dysfunction reduces the activity of KIR2.1 K <sup>+</sup> channel in myoblasts via impaired oxidative phosphorylation. <i>Korean Journal of Physiology and Pharmacology</i> , 2018, 22, 697.	1.2	2
23	Potentiation of endothelium-dependent vasorelaxation of mesenteric arteries from spontaneously hypertensive rats by gemigliptin, a dipeptidyl peptidase-4 inhibitor class of anti-diabetic drug. <i>Korean Journal of Physiology and Pharmacology</i> , 2018, 22, 713.	1.2	3
24	T Cell-Specific Knockout of STAT3 Ameliorates Dextran Sulfate Sodium-Induced Colitis by Reducing the Inflammatory Response. <i>Immune Network</i> , 2018, 18, e30.	3.6	13
25	Suppression of hERG K <sup>+</sup> current and cardiac action potential prolongation by 4-hydroxynonenal via dual mechanisms. <i>Redox Biology</i> , 2018, 19, 190-199.	9.0	7
26	TMEM16F/ANO6, a Ca <sup>2+</sup> -activated anion channel, is negatively regulated by the actin cytoskeleton and intracellular MgATP. <i>Biochemical and Biophysical Research Communications</i> , 2018, 503, 2348-2354.	2.1	21
27	S-nitrosylation of transglutaminase 2 impairs fatty acid-stimulated contraction in hypertensive cardiomyocytes. <i>Experimental and Molecular Medicine</i> , 2018, 50, 1-11.	7.7	10
28	Dysfunction of Microglial STAT3 Alleviates Depressive Behavior via Neuron-Microglia Interactions. <i>Neuropsychopharmacology</i> , 2017, 42, 2072-2086.	5.4	42
29	Negligible effect of eNOS palmitoylation on fatty acid regulation of contraction in ventricular myocytes from healthy and hypertensive rats. <i>Pflügers Archiv European Journal of Physiology</i> , 2017, 469, 1141-1149.	2.8	4
30	Neuronal nitric oxide synthase modulation of intracellular Ca <sup>2+</sup> handling overrides fatty acid potentiation of cardiac inotropy in hypertensive rats. <i>Pflügers Archiv European Journal of Physiology</i> , 2017, 469, 1359-1371.	2.8	5
31	Maxi-K channel (BKCa) activity veils the myogenic tone of mesenteric artery in rats. <i>Physiological Reports</i> , 2017, 5, e13330.	1.7	2
32	Differentially Expressed Potassium Channels Are Associated with Function of Human Effector Memory CD8 <sup>+</sup> T Cells. <i>Frontiers in Immunology</i> , 2017, 8, 859.	4.8	13
33	Biphasic augmentation of alpha-adrenergic contraction by plumbagin in rat systemic arteries. <i>Korean Journal of Physiology and Pharmacology</i> , 2017, 21, 687.	1.2	4
34	Activation of K <sup>+</sup> channel by 1-EBIO rescues the head and neck squamous cell carcinoma cells from Ca <sup>2+</sup> ionophore-induced cell death. <i>Korean Journal of Physiology and Pharmacology</i> , 2016, 20, 25.	1.2	5
35	Comparison of electrophysiological effects of calcium channel blockers on cardiac repolarization. <i>Korean Journal of Physiology and Pharmacology</i> , 2016, 20, 119.	1.2	11
36	Inhibition of TREK-2 K <sup>+</sup> channels by PI(4,5)P <sub>2</sub> : an intrinsic mode of regulation by intracellular ATP via phosphatidylinositol kinase. <i>Pflügers Archiv European Journal of Physiology</i> , 2016, 468, 1389-1402.	2.8	14

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37	Role of muscular eNOS in skeletal arteries: Endothelium-independent hypoxic vasoconstriction of the femoral artery is impaired in eNOS-deficient mice. <i>American Journal of Physiology - Cell Physiology</i> , 2016, 311, C508-C517.	4.6	3
38	Effects of estrogen on intracellular calcium-related T-lymphocyte function. <i>Tissue Engineering and Regenerative Medicine</i> , 2016, 13, 270-273.	3.7	3
39	Cardiac inotropy, lusitropy, and Ca <sup>2+</sup> handling with major metabolic substrates in rat heart. <i>Pflügers Archiv European Journal of Physiology</i> , 2016, 468, 1995-2006.	2.8	6
40	Assessment of Myofilament Ca <sup>2+</sup> Sensitivity Underlying Cardiac Excitation-contraction Coupling. <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	8
41	Wall stretch and thromboxane A <sub>2</sub> activate NO synthase (eNOS) in pulmonary arterial smooth muscle cells via H <sub>2</sub> O <sub>2</sub> and Akt-dependent phosphorylation. <i>Pflügers Archiv European Journal of Physiology</i> , 2016, 468, 705-716.	2.8	11
42	Estimation of the flow resistances exerted in coronary arteries using a vessel length-based method. <i>Pflügers Archiv European Journal of Physiology</i> , 2016, 468, 1449-1458.	2.8	11
43	Spontaneous inward currents reflecting oscillatory activation of Na <sup>+</sup> /Ca <sup>2+</sup> exchangers in human embryonic stem cell-derived cardiomyocytes. <i>Pflügers Archiv European Journal of Physiology</i> , 2016, 468, 609-622.	2.8	6
44	Evaluation of nefazodone-induced cardiotoxicity in human induced pluripotent stem cell-derived cardiomyocytes. <i>Toxicology and Applied Pharmacology</i> , 2016, 296, 42-53.	2.8	22
45	Airway Smooth Muscle Sensitivity to Methacholine in Precision-Cut Lung Slices (PCLS) from Ovalbumin-induced Asthmatic Mice. <i>Korean Journal of Physiology and Pharmacology</i> , 2015, 19, 65.	1.2	11
46	Selective serotonin reuptake inhibitors facilitate ANO6 (TMEM16F) current activation and phosphatidylserine exposure. <i>Pflügers Archiv European Journal of Physiology</i> , 2015, 467, 2243-2256.	2.8	14
47	Cilostazol induces vasodilation through the activation of Ca <sup>2+</sup> -activated K <sup>+</sup> channels in aortic smooth muscle. <i>Vascular Pharmacology</i> , 2015, 70, 15-22.	2.1	22
48	ROS and endothelial nitric oxide synthase (eNOS)-dependent trafficking of angiotensin II type 2 receptor begets neuronal NOS in cardiac myocytes. <i>Basic Research in Cardiology</i> , 2015, 110, 21.	5.9	27
49	Identification of a novel splice variant of neuronal nitric oxide synthase, nNOS <sup>Δ2</sup> , in myofilament fraction of murine cardiomyocytes. <i>Nitric Oxide - Biology and Chemistry</i> , 2015, 50, 20-27.	2.7	7
50	Rise and Fall of Kir2.2 Current by TLR4 Signaling in Human Monocytes: PKC-Dependent Trafficking and PI3K-Mediated PIP <sub>2</sub> Decrease. <i>Journal of Immunology</i> , 2015, 195, 3345-3354.	0.8	26
51	Modulation of L-type Ca <sup>2+</sup> channel activity by neuronal nitric oxide synthase and myofilament Ca <sup>2+</sup> sensitivity in cardiac myocytes from hypertensive rat. <i>Cell Calcium</i> , 2015, 58, 264-274.	2.4	10
52	Activation of Ca <sup>2+</sup> -activated K <sup>+</sup> channel (SK4) Rescues Squamous Cancer Cells from Iononmycin-induced Cell Death. <i>FASEB Journal</i> , 2015, 29, 844.15.	0.5	0
53	Attenuation of Acetylcholine Activated Potassium Current (IK <sub>ACh</sub> ) by Simvastatin, Not Pravastatin in Mouse Atrial Cardiomyocyte: Possible Atrial Fibrillation Preventing Effects of Statin. <i>PLoS ONE</i> , 2014, 9, e106570.	2.5	10
54	HIF-1 $\alpha$ -Mediated Upregulation of TASK-2 K <sup>+</sup> Channels Augments Ca <sup>2+</sup> Signaling in Mouse B Cells under Hypoxia. <i>Journal of Immunology</i> , 2014, 193, 4924-4933.	0.8	33

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55	Gathering, connecting, integrating. Integrative Medicine Research, 2014, 3, 153-154.	1.8	0
56	Integrative understanding of hypoxic pulmonary vasoconstriction using in vitro models: from ventilated/perfused lung to single arterial myocyte. Integrative Medicine Research, 2014, 3, 180-188.	1.8	2
57	Low K <sup>+</sup> current in arterial myocytes with impaired K <sup>+</sup> -vasodilation and its recovery by exercise in hypertensive rats. Pflugers Archiv European Journal of Physiology, 2014, 466, 2101-2111.	2.8	8
58	Nanovesicle-based platform for the electrophysiological monitoring of aquaporin-4 and the real-time detection of its antibody. Biosensors and Bioelectronics, 2014, 61, 140-146.	10.1	6
59	Investigation of critical amino acids in C-terminal regions for the complex sensitivity of TREK K <sup>+</sup> channel to membrane PIP <sub>2</sub> and pH <sub>i</sub> (LB841). FASEB Journal, 2014, 28, LB841.	0.5	1
60	Vitamin C prevents stress-induced damage on the heart caused by the death of cardiomyocytes, through down-regulation of the excessive production of catecholamine, TNF- $\alpha$ , and ROS production in Gulo <sup>0/0</sup> mice. Free Radical Biology and Medicine, 2013, 65, 573-583.	2.9	31
61	Myofilament Ca <sup>2+</sup> desensitization mediates positive lusitropic effect of neuronal nitric oxide synthase in left ventricular myocytes from murine hypertensive heart. Journal of Molecular and Cellular Cardiology, 2013, 60, 107-115.	1.9	38
62	The use of aggregates of purified cardiomyocytes derived from human ESCs for functional engraftment after myocardial infarction. Biomaterials, 2013, 34, 4013-4026.	11.4	51
63	Class 3 inhibition of hERG K <sup>+</sup> channel by caffeic acid phenethyl ester (CAPE) and curcumin. Pflugers Archiv European Journal of Physiology, 2013, 465, 1121-1134.	2.8	16
64	Hypoxia-augmented constriction of deep femoral artery mediated by inhibition of eNOS in smooth muscle. American Journal of Physiology - Cell Physiology, 2013, 304, C78-C88.	4.6	13
65	Lys1110 of TRPM2 is critical for channel activation. Biochemical Journal, 2013, 455, 319-327.	3.7	6
66	Disappearance of Hypoxic Pulmonary Vasoconstriction and O <sub>2</sub> -Sensitive Nonselective Cationic Current in Arterial Myocytes of Rats Under Ambient Hypoxia. Korean Journal of Physiology and Pharmacology, 2013, 17, 463.	1.2	6
67	Role of thromboxane A <sub>2</sub> -activated nonselective cation channels in hypoxic pulmonary vasoconstriction of rat. American Journal of Physiology - Cell Physiology, 2012, 302, C307-C317.	4.6	28
68	Requirement of Pretone by Thromboxane A <sub>2</sub> for Hypoxic Pulmonary Vasoconstriction in Precision-cut Lung Slices of Rat. Korean Journal of Physiology and Pharmacology, 2012, 16, 59.	1.2	5
69	Wide Spectrum of Inhibitory Effects of Sertraline on Cardiac Ion Channels. Korean Journal of Physiology and Pharmacology, 2012, 16, 327.	1.2	28
70	Neuronal nitric oxide synthase is up-regulated by angiotensin II and attenuates NADPH oxidase activity and facilitates relaxation in murine left ventricular myocytes. Journal of Molecular and Cellular Cardiology, 2012, 52, 1274-1281.	1.9	26
71	The inhibitory effect of BIM (I) on L-type Ca <sup>2+</sup> channels in rat ventricular cells. Biochemical and Biophysical Research Communications, 2012, 423, 110-115.	2.1	4
72	Inhibition of Ca <sup>2+</sup> release-activated Ca <sup>2+</sup> channel (CRAC) by curcumin and caffeic acid phenethyl ester (CAPE) via electrophilic addition to a cysteine residue of Orai1. Biochemical and Biophysical Research Communications, 2012, 428, 56-61.	2.1	27

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73	Differential effects of acute hypoxia on the activation of TRPV1 by capsaicin and acidic pH. <i>Journal of Physiological Sciences</i> , 2012, 62, 93-103.	2.1	17
74	Differential pathways for calcium influx activated by concanavalin A and CD3 stimulation in Jurkat T cells. <i>Pflügers Archiv European Journal of Physiology</i> , 2012, 463, 309-318.	2.8	21
75	Geraniol inhibits prostate cancer growth by targeting cell cycle and apoptosis pathways. <i>Biochemical and Biophysical Research Communications</i> , 2011, 407, 129-134.	2.1	73
76	Kir3.1 channel is functionally involved in TLR4-mediated signaling. <i>Biochemical and Biophysical Research Communications</i> , 2011, 407, 687-691.	2.1	10
77	Suppression of CFTR-mediated Cl <sup>-</sup> Secretion of Airway Epithelium in Vitamin C-deficient Mice. <i>Journal of Korean Medical Science</i> , 2011, 26, 317.	2.5	6
78	Mechanisms of myogenic response: Ca <sup>2+</sup> -dependent and -independent signaling. <i>Journal of Smooth Muscle Research</i> , 2011, 47, 55-65.	1.2	23
79	Inhibition of Ca <sup>2+</sup> -Release-Activated Ca <sup>2+</sup> Channel (CRAC) and K <sup>+</sup> Channels by Curcumin in Jurkat-T Cells. <i>Journal of Pharmacological Sciences</i> , 2011, 115, 144-154.	2.5	41
80	Inhibition of Lytic Reactivation of Kaposi'S Sarcoma-Associated Herpesvirus by Alloferon. <i>Antiviral Therapy</i> , 2011, 16, 17-26.	1.0	25
81	Inhibition of lytic reactivation of Kaposi's sarcoma-associated herpesvirus by alloferon. <i>Antiviral Therapy</i> , 2011, 16, 439-442.	1.0	1
82	Identification and Functional Characterization of Ion Channels in CD34 <sup>+</sup> Hematopoietic Stem Cells from Human Peripheral Blood. <i>Molecules and Cells</i> , 2011, 32, 181-188.	2.6	18
83	CD40 Co-stimulation Inhibits Sustained BCR-induced Ca <sup>2+</sup> Signaling in Response to Long-term Antigenic Stimulation of Immature B Cells. <i>Korean Journal of Physiology and Pharmacology</i> , 2011, 15, 179.	1.2	4
84	Exercise training increases inwardly rectifying K <sup>+</sup> current and augments K <sup>+</sup> -mediated vasodilatation in deep femoral artery of rats. <i>Cardiovascular Research</i> , 2011, 91, 142-150.	3.8	12
85	Expression of TASK-2 and its upregulation by B cell receptor stimulation in WEHI-231 mouse immature B cells. <i>American Journal of Physiology - Cell Physiology</i> , 2011, 300, C1013-C1022.	4.6	23
86	Direct Observation of Defects and Increased Ion Permeability of a Membrane Induced by Structurally Disordered Cu/Zn-Superoxide Dismutase Aggregates. <i>PLoS ONE</i> , 2011, 6, e28982.	2.5	15
87	Ca <sup>2+</sup> Signaling Induced by Sphingosine 1-Phosphate and Lysophosphatidic Acid in Mouse B Cells. <i>Molecules and Cells</i> , 2010, 29, 85-91.	2.6	14
88	Differential recruitment of mechanisms for myogenic responses according to luminal pressure and arterial types. <i>Pflügers Archiv European Journal of Physiology</i> , 2010, 460, 19-29.	2.8	8
89	The Effect of Brimonidine on Transepithelial Resistance in a Human Retinal Pigment Epithelial Cell Line. <i>Korean Journal of Ophthalmology: KJO</i> , 2010, 24, 169.	1.1	0
90	Inhibition of Hypoxic Pulmonary Vasoconstriction of Rats by Carbon Monoxide. <i>Journal of Korean Medical Science</i> , 2010, 25, 1411.	2.5	6



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91	Functional Expression of TRPV4 Cation Channels in Human Mast Cell Line (HMC-1). <i>Korean Journal of Physiology and Pharmacology</i> , 2010, 14, 419.	1.2	25
92	Lysophosphatidylcholine Increases Neutrophil Bactericidal Activity by Enhancement of Azurophil Granule-Phagosome Fusion via Glycine $\text{\AA}$ -GlyRI $\pm$ 2/TRPM2/p38 MAPK Signaling. <i>Journal of Immunology</i> , 2010, 184, 4401-4413.	0.8	87
93	Chloride channel conductance is required for NGF-induced neurite outgrowth in PC12 cells. <i>Neurochemistry International</i> , 2010, 56, 663-669.	3.8	8
94	Early recombinant human epidermal growth factor treatment recovers the irradiation-induced decrease of Na <sup>+</sup> absorption prior to the definite histological mucositis. <i>Biomedicine and Pharmacotherapy</i> , 2010, 64, 594-599.	5.6	3
95	TNF $\text{\AA}$ inhibits the CD3-mediated upregulation of voltage-gated K <sup>+</sup> channel (Kv1.3) in human T cells. <i>Biochemical and Biophysical Research Communications</i> , 2010, 391, 909-914.	2.1	6
96	High expression of large-conductance Ca <sup>2+</sup> -activated K <sup>+</sup> channel in the CD133 <sup>+</sup> subpopulation of SH-SY5Y neuroblastoma cells. <i>Biochemical and Biophysical Research Communications</i> , 2010, 396, 637-642.	2.1	35
97	Effects of Mixed Herbal Extracts from Parched Puerariae Radix, Gingered Magnoliae Cortex, Glycyrrhizae Radix and Euphorbiae Radix (KIOM-79) on Cardiac Ion Channels and Action Potentials. <i>Journal of Korean Medical Science</i> , 2009, 24, 403.	2.5	4
98	Inhibition of Arterial Myogenic Responses by a Mixed Aqueous Extract of Salvia Miltiorrhiza and Panax Notoginseng (PASEL) Showing Antihypertensive Effects. <i>Korean Journal of Physiology and Pharmacology</i> , 2009, 13, 287.	1.2	13
99	Identification of subdomains in NADPH oxidase-4 critical for the oxygen-dependent regulation of TASK-1 K <sup>+</sup> channels. <i>American Journal of Physiology - Cell Physiology</i> , 2009, 297, C855-C864.	4.6	27
100	Identification of the large-conductance background K <sup>+</sup> channel in mouse B cells as TREK-2. <i>American Journal of Physiology - Cell Physiology</i> , 2009, 297, C188-C197.	4.6	28
101	Inhibition of store-operated Ca <sup>2+</sup> entry channels and K <sup>+</sup> channels by caffeic acid phenethyl ester in T lymphocytes. <i>European Journal of Pharmacology</i> , 2009, 612, 153-160.	3.5	23
102	A novel role for the TRPV1 channel in UV $\text{\AA}$ -induced matrix metalloproteinase (MMP) $\text{\AA}$ expression in HaCaT cells. <i>Journal of Cellular Physiology</i> , 2009, 219, 766-775.	4.1	89
103	Menthol regulates TRPM8-independent processes in PC-3 prostate cancer cells. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2009, 1792, 33-38.	3.8	49
104	Role of aryl hydrocarbon receptor nuclear translocator in KATP channel-mediated insulin secretion in INS-1 insulinoma cells. <i>Biochemical and Biophysical Research Communications</i> , 2009, 379, 1048-1053.	2.1	5
105	Facilitation of Ca <sup>2+</sup> -activated K <sup>+</sup> channels (IKCa1) by mibefradil in B lymphocytes. <i>Pflugers Archiv European Journal of Physiology</i> , 2008, 456, 549-560.	2.8	12
106	Arachidonic acid-induced activation of large-conductance potassium channels and membrane hyperpolarization in mouse B cells. <i>Pflugers Archiv European Journal of Physiology</i> , 2008, 456, 867-881.	2.8	10
107	Electrophysiological modelling of pulmonary artery smooth muscle cells in the rabbits $\text{\AA}$ Special consideration to the generation of hypoxic pulmonary vasoconstriction. <i>Progress in Biophysics and Molecular Biology</i> , 2008, 96, 399-420.	2.9	11
108	STAT3 inhibits the degradation of HIF-1 $\text{\AA}$ by pVHL-mediated ubiquitination. <i>Experimental and Molecular Medicine</i> , 2008, 40, 479.	7.7	103

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109	Acidic pH-activated Cl <sup>-</sup> Current and Intracellular Ca <sup>2+</sup> Response in Human Keratinocytes. Korean Journal of Physiology and Pharmacology, 2008, 12, 177.	1.2	5
110	ATP6V0C Competes with Von Hippel-Lindau Protein in Hypoxia-Inducible Factor 1 $\alpha$ (HIF-1 $\alpha$ ) Binding and Mediates HIF-1 $\alpha$ Expression by Bafilomycin A1. Molecular Pharmacology, 2007, 71, 942-948.	2.3	33
111	Mechanosensitive nonselective cation channel facilitation by endothelin-1 is regulated by protein kinase C in arterial myocytes. Cardiovascular Research, 2007, 76, 224-235.	3.8	24
112	Journeying down the long and winding road: the whole picture of volume-activated Cl <sup>-</sup> channel activation in cardiac myocytes. Cardiovascular Research, 2007, 77, 6-7.	3.8	0
113	Mechanosensitive activation of K <sup>+</sup> channel via phospholipase C-induced depletion of phosphatidylinositol 4,5-bisphosphate in B lymphocytes. Journal of Physiology, 2007, 582, 977-990.	2.9	26
114	Angiotensin II inhibits inward rectifier K <sup>+</sup> channels in rabbit coronary arterial smooth muscle cells through protein kinase C $\alpha$ . Biochemical and Biophysical Research Communications, 2006, 341, 728-735.	2.1	35
115	Direct inhibition of a PKA inhibitor, H-89 on KV channels in rabbit coronary arterial smooth muscle cells. Biochemical and Biophysical Research Communications, 2006, 341, 931-937.	2.1	28
116	Segmental heterogeneity of electrogenic secretions in human ascending colon and rectum. International Journal of Colorectal Disease, 2006, 21, 357-364.	2.2	15
117	Voltage-dependent slowly activating anion current regulated by temperature and extracellular pH in mouse B cells. Pflugers Archiv European Journal of Physiology, 2006, 452, 707-717.	2.8	4
118	Slowing of the inactivation of voltage-dependent sodium channels by staurosporine, the protein kinase C inhibitor, in rabbit atrial myocytes. European Journal of Pharmacology, 2006, 534, 48-54.	3.5	11
119	Role of stretch-activated channels on the stretch-induced changes of rat atrial myocytes. Progress in Biophysics and Molecular Biology, 2006, 90, 186-206.	2.9	31
120	Dual conductance mode of the TREK-1 channel: A hidden track to mechanoelectric regulation in the heart?. Cardiovascular Research, 2006, 69, 13-14.	3.8	3
121	Differential Distribution of Mechanosensitive Nonselective Cation Channels in Systemic and Pulmonary Arterial Myocytes of Rabbits. Journal of Vascular Research, 2006, 43, 347-354.	1.4	11
122	Muscarinic activation of Na <sup>+</sup> -dependent ion transporters and modulation by bicarbonate in rat submandibular gland acinus. American Journal of Physiology - Renal Physiology, 2005, 288, G822-G831.	3.4	7
123	Activation of inward rectifier K <sup>+</sup> channels by hypoxia in rabbit coronary arterial smooth muscle cells. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 289, H2461-H2467.	3.2	47
124	Chloride Conductance Is Required for the Protein Kinase A and Rac1-dependent Phosphorylation of Moesin at Thr-558 by KCl in PC12 Cells. Journal of Biological Chemistry, 2005, 280, 12181-12189.	3.4	9
125	Purinergic Receptors Coupled to Intracellular Ca <sup>2+</sup> Signals and Exocytosis in Rat Prostate Neuroendocrine Cells. Journal of Biological Chemistry, 2004, 279, 27345-27356.	3.4	12
126	Membrane-delimited Regulation of Novel Background K <sup>+</sup> Channels by MgATP in Murine Immature B Cells. Journal of Biological Chemistry, 2004, 279, 20643-20654.	3.4	18



#	ARTICLE	IF	CITATIONS
127	Ca <sup>2+</sup> influx through the basolateral- and luminal membranes of colonic epithelium in neonatal rats. Pflugers Archiv European Journal of Physiology, 2004, 447, 408-415.	2.8	1
128	Effects of KCNQ1 Channel Blocker, 293B, on the Acetylcholine-Induced Cl <sup>-</sup> Secretion of Rat Pancreatic Acini. Pancreas, 2004, 28, 435-442.	1.1	7
129	Voltage-dependent ion channel currents in putative neuroendocrine cells dissociated from the ventral prostate of rat. Pflugers Archiv European Journal of Physiology, 2003, 446, 88-99.	2.8	12
130	Ca <sup>2+</sup> -activated Cl <sup>-</sup> channel currents in rat ventral prostate epithelial cells. Prostate, 2003, 55, 118-127.	2.3	23
131	Adrenergic regulation of the intracellular [Ca <sup>2+</sup> ] and voltage-operated Ca <sup>2+</sup> channel currents in the rat prostate neuroendocrine cells. Prostate, 2003, 57, 99-110.	2.3	10
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133	A haplotype-based molecular analysis of CFTR mutations associated with respiratory and pancreatic diseases. Human Molecular Genetics, 2003, 12, 2321-2332.	2.9	99
134	K <sup>+</sup> channel currents in rat ventral prostate epithelial cells. Prostate, 2002, 51, 201-210.	2.3	15
135	Inhibitory effects of PGE <sub>2</sub> on K <sup>+</sup> currents and Ca <sup>2+</sup> oscillations in rat pancreatic acinar cells. Pflugers Archiv European Journal of Physiology, 2002, 444, 619-626.	2.8	7
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141	Ca <sup>2+</sup> influx through carbachol-activated non-selective cation channels in guinea-pig gastric myocytes. Journal of Physiology, 1998, 513, 749-760.	2.9	31
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147	Inhibitory effect of phorbol 12, 13 dibutyrate on carbachol-activated nonselective cationic current in guinea-pig gastric myocytes. Pflugers Archiv European Journal of Physiology, 1997, 434, 505-507.	2.8	16
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149	Effect of stretch on calcium channel currents recorded from the antral circular myocytes of guinea-pig stomach. Pflugers Archiv European Journal of Physiology, 1996, 432, 159-164.	2.8	38
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