

Sung-Joon Kim

List of Publications by Year in descending order

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150
papers

2,535
citations

201674

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302126

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152
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152
docs citations

152
times ranked

3611
citing authors

#	ARTICLE	IF	CITATIONS
1	STAT3 inhibits the degradation of HIF-1 α by pVHL-mediated ubiquitination. <i>Experimental and Molecular Medicine</i> , 2008, 40, 479.	7.7	103
2	A haplotype-based molecular analysis of CFTR mutations associated with respiratory and pancreatic diseases. <i>Human Molecular Genetics</i> , 2003, 12, 2321-2332.	2.9	99
3	A novel role for the TRPV1 channel in UV α -induced matrix metalloproteinase (MMP) α 1 expression in HaCaT cells. <i>Journal of Cellular Physiology</i> , 2009, 219, 766-775.	4.1	89
4	Lysophosphatidylcholine Increases Neutrophil Bactericidal Activity by Enhancement of Azurophil Granule-Phagosome Fusion via Glycine β 2/TRPM2/p38 MAPK Signaling. <i>Journal of Immunology</i> , 2010, 184, 4401-4413.	0.8	87
5	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
6	The use of aggregates of purified cardiomyocytes derived from human ESCs for functional engraftment after myocardial infarction. <i>Biomaterials</i> , 2013, 34, 4013-4026.	11.4	51
7	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
8	Activation of inward rectifier K $^{+}$ channels by hypoxia in rabbit coronary arterial smooth muscle cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 289, H2461-H2467.	3.2	47
9	Dysfunction of Microglial STAT3 Alleviates Depressive Behavior via Neuron μ Microglia Interactions. <i>Neuropsychopharmacology</i> , 2017, 42, 2072-2086.	5.4	42
10	Inhibition of Ca $^{2+}$ -Release μ Activated Ca $^{2+}$ Channel (CRAC) and K $^{+}$ Channels by Curcumin in Jurkat-T Cells. <i>Journal of Pharmacological Sciences</i> , 2011, 115, 144-154.	2.5	41
11	Suppression of the carbachol-activated nonselective cationic current by antibody against alpha subunit of G o protein in guinea-pig gastric myocytes. <i>Pflugers Archiv European Journal of Physiology</i> , 1998, 436, 494-496.	2.8	40
12	Effect of stretch on calcium channel currents recorded from the antral circular myocytes of guinea-pig stomach. <i>Pflugers Archiv European Journal of Physiology</i> , 1996, 432, 159-164.	2.8	38
13	Myofilament Ca $^{2+}$ desensitization mediates positive lusitropic effect of neuronal nitric oxide synthase in left ventricular myocytes from murine hypertensive heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2013, 60, 107-115.	1.9	38
14	Volume-sensitive chloride current activated by hyposmotic swelling in antral gastric myocytes of the guinea-pig. <i>Pflugers Archiv European Journal of Physiology</i> , 1997, 435, 9-19.	2.8	37
15	Angiotensin II inhibits inward rectifier K $^{+}$ channels in rabbit coronary arterial smooth muscle cells through protein kinase C α . <i>Biochemical and Biophysical Research Communications</i> , 2006, 341, 728-735.	2.1	35
16	High expression of large-conductance Ca $^{2+}$ -activated K $^{+}$ channel in the CD133 $^{+}$ subpopulation of SH-SY5Y neuroblastoma cells. <i>Biochemical and Biophysical Research Communications</i> , 2010, 396, 637-642.	2.1	35
17	ATP6VOC Competes with Von Hippel-Lindau Protein in Hypoxia-Inducible Factor 1 α (HIF-1 α) Binding and Mediates HIF-1 α Expression by Bafilomycin A1. <i>Molecular Pharmacology</i> , 2007, 71, 942-948.	2.3	33
18	HIF-1 α -Mediated Upregulation of TASK-2 K $^{+}$ Channels Augments Ca $^{2+}$ Signaling in Mouse B Cells under Hypoxia. <i>Journal of Immunology</i> , 2014, 193, 4924-4933.	0.8	33

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19	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
20	Ca ²⁺ -influx through carbachol-activated non-selective cation channels in guinea-pig gastric myocytes. <i>Journal of Physiology</i> , 1998, 513, 749-760.	2.9	31
21	Role of stretch-activated channels on the stretch-induced changes of rat atrial myocytes. <i>Progress in Biophysics and Molecular Biology</i> , 2006, 90, 186-206.	2.9	31
22	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- α , and ROS production in Gulo(0/0) mice. <i>Free Radical Biology and Medicine</i> , 2013, 65, 573-583.	2.9	31
23	Role of actin microfilament in osmotic stretch-induced increase of voltage-operated calcium channel current in guinea-pig gastric myocytes. <i>Pflügers Archiv European Journal of Physiology</i> , 1997, 434, 502-504.	2.8	30
24	Protein kinase C mediates the desensitization of CCh-activated nonselective cationic current in guinea-pig gastric myocytes. <i>Pflügers Archiv European Journal of Physiology</i> , 1998, 436, 1-8.	2.8	30
25	Direct inhibition of a PKA inhibitor, H-89 on KV channels in rabbit coronary arterial smooth muscle cells. <i>Biochemical and Biophysical Research Communications</i> , 2006, 341, 931-937.	2.1	28
26	Identification of the large-conductance background K ⁺ channel in mouse B cells as TREK-2. <i>American Journal of Physiology - Cell Physiology</i> , 2009, 297, C188-C197.	4.6	28
27	Role of thromboxane A ₂ -activated nonselective cation channels in hypoxic pulmonary vasoconstriction of rat. <i>American Journal of Physiology - Cell Physiology</i> , 2012, 302, C307-C317.	4.6	28
28	Wide Spectrum of Inhibitory Effects of Sertraline on Cardiac Ion Channels. <i>Korean Journal of Physiology and Pharmacology</i> , 2012, 16, 327.	1.2	28
29	Identification of subdomains in NADPH oxidase-4 critical for the oxygen-dependent regulation of TASK-1 K ⁺ channels. <i>American Journal of Physiology - Cell Physiology</i> , 2009, 297, C855-C864.	4.6	27
30	Inhibition of Ca ²⁺ release-activated Ca ²⁺ channel (CRAC) by curcumin and caffeic acid phenethyl ester (CAPE) via electrophilic addition to a cysteine residue of Orai1. <i>Biochemical and Biophysical Research Communications</i> , 2012, 428, 56-61.	2.1	27
31	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
32	Mechanosensitive activation of K ⁺ channel via phospholipase C-induced depletion of phosphatidylinositol 4,5-bisphosphate in B lymphocytes. <i>Journal of Physiology</i> , 2007, 582, 977-990.	2.9	26
33	Neuronal nitric oxide synthase is up-regulated by angiotensin II and attenuates NADPH oxidase activity and facilitates relaxation in murine left ventricular myocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2012, 52, 1274-1281.	1.9	26
34	Rise and Fall of Kir2.2 Current by TLR4 Signaling in Human Monocytes: PKC-Dependent Trafficking and PI3K-Mediated PIP2 Decrease. <i>Journal of Immunology</i> , 2015, 195, 3345-3354.	0.8	26
35	Role of calmodulin in the activation of carbachol-activated cationic current in guinea-pig gastric antral myocytes. <i>Pflügers Archiv European Journal of Physiology</i> , 1995, 430, 757-762.	2.8	25
36	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

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37	Inhibition of Lytic Reactivation of Kaposi'S Sarcoma-Associated Herpesvirus by Alloferon. <i>Antiviral Therapy</i> , 2011, 16, 17-26.	1.0	25
38	Effects of myosin light chain kinase inhibitors on carbachol-activated nonselective cationic current in guinea-pig gastric myocytes. <i>Pflugers Archiv European Journal of Physiology</i> , 1997, 434, 346-353.	2.8	24
39	Mechanosensitive nonselective cation channel facilitation by endothelin-1 is regulated by protein kinase C in arterial myocytes. <i>Cardiovascular Research</i> , 2007, 76, 224-235.	3.8	24
40	Ca ²⁺ -activated Cl ⁻ channel currents in rat ventral prostate epithelial cells. <i>Prostate</i> , 2003, 55, 118-127.	2.3	23
41	Inhibition of store-operated Ca ²⁺ entry channels and K ⁺ channels by caffeic acid phenethyl ester in T lymphocytes. <i>European Journal of Pharmacology</i> , 2009, 612, 153-160.	3.5	23
42	Mechanisms of myogenic response: Ca ²⁺ -dependent and -independent signaling. <i>Journal of Smooth Muscle Research</i> , 2011, 47, 55-65.	1.2	23
43	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
44	Capsaicin inhibits the voltage-operated calcium channels intracellularly in the antral circular myocytes of guinea-pig stomach. <i>Life Sciences</i> , 2001, 68, 2347-2360.	4.3	22
45	Cilostazol induces vasodilation through the activation of Ca ²⁺ -activated K ⁺ channels in aortic smooth muscle. <i>Vascular Pharmacology</i> , 2015, 70, 15-22.	2.1	22
46	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
47	Differential pathways for calcium influx activated by concanavalin A and CD3 stimulation in Jurkat T cells. <i>Pflugers Archiv European Journal of Physiology</i> , 2012, 463, 309-318.	2.8	21
48	TMEM16F/ANO6, a Ca ²⁺ -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
49	Regulation of slowly activating potassium current (I _{Ks}) by secretin in rat pancreatic acinar cells. <i>Journal of Physiology</i> , 2001, 535, 349-358.	2.9	19
50	The Properties of Carbachol-Activated Nonselective Cation Channels at the Single Channel Level in Guinea Pig Gastric Myocytes. <i>The Japanese Journal of Pharmacology</i> , 2001, 85, 291-298.	1.2	18
51	Membrane-delimited Regulation of Novel Background K ⁺ Channels by MgATP in Murine Immature B Cells. <i>Journal of Biological Chemistry</i> , 2004, 279, 20643-20654.	3.4	18
52	Identification and Functional Characterization of Ion Channels in CD34+ Hematopoietic Stem Cells from Human Peripheral Blood. <i>Molecules and Cells</i> , 2011, 32, 181-188.	2.6	18
53	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
54	Inhibitory effect of phorbol 12, 13 dibutyrate on carbachol-activated nonselective cationic current in guinea-pig gastric myocytes. <i>Pflugers Archiv European Journal of Physiology</i> , 1997, 434, 505-507.	2.8	16

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55	Class 3 inhibition of hERG K ⁺ channel by caffeic acid phenethyl ester (CAPE) and curcumin. <i>Pflugers Archiv European Journal of Physiology</i> , 2013, 465, 1121-1134.	2.8	16
56	Inwardly rectifying K ⁺ channels in the basolateral membrane of rat pancreatic acini. <i>Pflugers Archiv European Journal of Physiology</i> , 2000, 441, 331-340.	2.8	15
57	K ⁺ channel currents in rat ventral prostate epithelial cells. <i>Prostate</i> , 2002, 51, 201-210.	2.3	15
58	Segmental heterogeneity of electrogenic secretions in human ascending colon and rectum. <i>International Journal of Colorectal Disease</i> , 2006, 21, 357-364.	2.2	15
59	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
60	Ca ²⁺ 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
61	Selective serotonin reuptake inhibitors facilitate ANO6 (TMEM16F) current activation and phosphatidylserine exposure. <i>Pflugers Archiv European Journal of Physiology</i> , 2015, 467, 2243-2256.	2.8	14
62	Inhibition of TREK-2 K ⁺ channels by PI(4,5)P ₂ : an intrinsic mode of regulation by intracellular ATP via phosphatidylinositol kinase. <i>Pflugers Archiv European Journal of Physiology</i> , 2016, 468, 1389-1402.	2.8	14
63	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
64	Inhibition of Arterial Myogenic Responses by a Mixed Aqueous Extract of <i>Salvia Miltiorrhiza</i> and <i>Panax Notoginseng</i> (PASEL) Showing Antihypertensive Effects. <i>Korean Journal of Physiology and Pharmacology</i> , 2009, 13, 287.	1.2	13
65	Hypoxia-augmented constriction of deep femoral artery mediated by inhibition of eNOS in smooth muscle. <i>American Journal of Physiology - Cell Physiology</i> , 2013, 304, C78-C88.	4.6	13
66	Differentially Expressed Potassium Channels Are Associated with Function of Human Effector Memory CD8 ⁺ T Cells. <i>Frontiers in Immunology</i> , 2017, 8, 859.	4.8	13
67	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
68	Voltage-dependent ion channel currents in putative neuroendocrine cells dissociated from the ventral prostate of rat. <i>Pflugers Archiv European Journal of Physiology</i> , 2003, 446, 88-99.	2.8	12
69	Purinergic Receptors Coupled to Intracellular Ca ²⁺ Signals and Exocytosis in Rat Prostate Neuroendocrine Cells. <i>Journal of Biological Chemistry</i> , 2004, 279, 27345-27356.	3.4	12
70	Facilitation of Ca ²⁺ -activated K ⁺ channels (IKCa1) by mibefradil in B lymphocytes. <i>Pflugers Archiv European Journal of Physiology</i> , 2008, 456, 549-560.	2.8	12
71	Exercise training increases inwardly rectifying K ⁺ current and augments K ⁺ -mediated vasodilatation in deep femoral artery of rats. <i>Cardiovascular Research</i> , 2011, 91, 142-150.	3.8	12
72	Slow and persistent increase of [Ca ²⁺] _{in} response to ligation of surface IgM in WEHI-231 cells. <i>FEBS Letters</i> , 2003, 535, 113-118.	2.8	11

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73	Slowing of the inactivation of voltage-dependent sodium channels by staurosporine, the protein kinase C inhibitor, in rabbit atrial myocytes. <i>European Journal of Pharmacology</i> , 2006, 534, 48-54.	3.5	11
74	Differential Distribution of Mechanosensitive Nonselective Cation Channels in Systemic and Pulmonary Arterial Myocytes of Rabbits. <i>Journal of Vascular Research</i> , 2006, 43, 347-354.	1.4	11
75	Electrophysiological modelling of pulmonary artery smooth muscle cells in the rabbitsâ€™Special consideration to the generation of hypoxic pulmonary vasoconstriction. <i>Progress in Biophysics and Molecular Biology</i> , 2008, 96, 399-420.	2.9	11
76	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
77	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
78	Wall stretch and thromboxane A2 activate NO synthase (eNOS) in pulmonary arterial smooth muscle cells via H2O2 and Akt-dependent phosphorylation. <i>Pflugers Archiv European Journal of Physiology</i> , 2016, 468, 705-716.	2.8	11
79	Estimation of the flow resistances exerted in coronary arteries using a vessel length-based method. <i>Pflugers Archiv European Journal of Physiology</i> , 2016, 468, 1449-1458.	2.8	11
80	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
81	Adrenergic regulation of the intracellular [Ca2+] and voltage-operated Ca2+ channel currents in the rat prostate neuroendocrine cells. <i>Prostate</i> , 2003, 57, 99-110.	2.3	10
82	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
83	Kir3.1 channel is functionally involved in TLR4-mediated signaling. <i>Biochemical and Biophysical Research Communications</i> , 2011, 407, 687-691.	2.1	10
84	Attenuation of Acetylcholine Activated Potassium Current (IKACH) 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
85	Modulation of L-type Ca2+ channel activity by neuronal nitric oxide synthase and myofilament Ca2+ sensitivity in cardiac myocytes from hypertensive rat. <i>Cell Calcium</i> , 2015, 58, 264-274.	2.4	10
86	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
87	Chloride Conductance Is Required for the Protein Kinase A and Rac1-dependent Phosphorylation of Moesin at Thr-558 by KCl in PC12 Cells. <i>Journal of Biological Chemistry</i> , 2005, 280, 12181-12189.	3.4	9
88	Identification of critical amino acids in the proximal C-terminal of TREK-2 K+ channel for activation by acidic pHi and ATP-dependent inhibition. <i>Pflugers Archiv European Journal of Physiology</i> , 2018, 470, 327-337.	2.8	9
89	Differential recruitment of mechanisms for myogenic responses according to luminal pressure and arterial types. <i>Pflugers Archiv European Journal of Physiology</i> , 2010, 460, 19-29.	2.8	8
90	Chloride channel conductance is required for NGF-induced neurite outgrowth in PC12 cells. <i>Neurochemistry International</i> , 2010, 56, 663-669.	3.8	8

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91	Low K ⁺ current in arterial myocytes with impaired K ⁺ -vasodilation and its recovery by exercise in hypertensive rats. <i>Pflügers Archiv European Journal of Physiology</i> , 2014, 466, 2101-2111.	2.8	8
92	Assessment of Myofilament Ca ²⁺ Sensitivity Underlying Cardiac Excitation-contraction Coupling. <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	8
93	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
94	ATP-sensitive K ⁺ current and its modulation by substance P in gastric myocytes isolated from guinea pig. <i>European Journal of Pharmacology</i> , 1998, 358, 77-83.	3.5	7
95	Inhibitory effects of PGE ₂ on K ⁺ currents and Ca ²⁺ oscillations in rat pancreatic acinar cells. <i>Pflügers Archiv European Journal of Physiology</i> , 2002, 444, 619-626.	2.8	7
96	Effects of KCNQ1 Channel Blocker, 293B, on the Acetylcholine-Induced Cl ⁻ Secretion of Rat Pancreatic Acini. <i>Pancreas</i> , 2004, 28, 435-442.	1.1	7
97	Muscarinic activation of Na ⁺ -dependent ion transporters and modulation by bicarbonate in rat submandibular gland acinus. <i>American Journal of Physiology - Renal Physiology</i> , 2005, 288, G822-G831.	3.4	7
98	Identification of a novel splice variant of neuronal nitric oxide synthase, nNOS ^{Δ2} , in myofilament fraction of murine cardiomyocytes. <i>Nitric Oxide - Biology and Chemistry</i> , 2015, 50, 20-27.	2.7	7
99	Suppression of hERG K ⁺ current and cardiac action potential prolongation by 4-hydroxynonenal via dual mechanisms. <i>Redox Biology</i> , 2018, 19, 190-199.	9.0	7
100	Triple arginine residues in the proximal C-terminus of TREK K ⁺ 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
101	Downregulation of Soluble Guanylate Cyclase and Protein Kinase G With Upregulated ROCK2 in the Pulmonary Artery Leads to Thromboxane A ₂ Sensitization in Monocrotaline-Induced Pulmonary Hypertensive Rats. <i>Frontiers in Physiology</i> , 2021, 12, 624967.	2.8	7
102	Adiponectin-derived pentapeptide ameliorates psoriasiform skin inflammation by suppressing IL-17 production in I ³ T cells. <i>Journal of Dermatological Science</i> , 2022, 106, 45-52.	1.9	7
103	Inhibition of Hypoxic Pulmonary Vasoconstriction of Rats by Carbon Monoxide. <i>Journal of Korean Medical Science</i> , 2010, 25, 1411.	2.5	6
104	TNF- α inhibits the CD3-mediated upregulation of voltage-gated K ⁺ channel (Kv1.3) in human T cells. <i>Biochemical and Biophysical Research Communications</i> , 2010, 391, 909-914.	2.1	6
105	Suppression of CFTR-mediated Cl ⁻ Secretion of Airway Epithelium in Vitamin C-deficient Mice. <i>Journal of Korean Medical Science</i> , 2011, 26, 317.	2.5	6
106	Lys1110 of TRPM2 is critical for channel activation. <i>Biochemical Journal</i> , 2013, 455, 319-327.	3.7	6
107	Disappearance of Hypoxic Pulmonary Vasoconstriction and O ₂ -Sensitive Nonselective Cationic Current in Arterial Myocytes of Rats Under Ambient Hypoxia. <i>Korean Journal of Physiology and Pharmacology</i> , 2013, 17, 463.	1.2	6
108	Nanovesicle-based platform for the electrophysiological monitoring of aquaporin-4 and the real-time detection of its antibody. <i>Biosensors and Bioelectronics</i> , 2014, 61, 140-146.	10.1	6

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109	Cardiac inotropy, lusitropy, and Ca ²⁺ handling with major metabolic substrates in rat heart. Pflugers Archiv European Journal of Physiology, 2016, 468, 1995-2006.	2.8	6
110	Spontaneous inward currents reflecting oscillatory activation of Na ⁺ /Ca ²⁺ exchangers in human embryonic stem cell-derived cardiomyocytes. Pflugers Archiv European Journal of Physiology, 2016, 468, 609-622.	2.8	6
111	Fast relaxation and desensitization of angiotensin II contraction in the pulmonary artery via AT1R and Akt-mediated phosphorylation of muscular eNOS. Pflugers Archiv European Journal of Physiology, 2019, 471, 1317-1330.	2.8	6
112	Teaching cardiac excitation-contraction coupling using a mathematical computer simulation model of human ventricular myocytes. American Journal of Physiology - Advances in Physiology Education, 2020, 44, 323-333.	1.6	6
113	Acidic pH-activated Cl ⁻ Current and Intracellular Ca ²⁺ Response in Human Keratinocytes. Korean Journal of Physiology and Pharmacology, 2008, 12, 177.	1.2	5
114	Role of aryl hydrocarbon receptor nuclear translocator in KATP channel-mediated insulin secretion in INS-1 insulinoma cells. Biochemical and Biophysical Research Communications, 2009, 379, 1048-1053.	2.1	5
115	Requirement of Pretone by Thromboxane A ₂ for Hypoxic Pulmonary Vasoconstriction in Precision-cut Lung Slices of Rat. Korean Journal of Physiology and Pharmacology, 2012, 16, 59.	1.2	5
116	Activation of K ⁺ channel by 1-EBIO rescues the head and neck squamous cell carcinoma cells from Ca ²⁺ ionophore-induced cell death. Korean Journal of Physiology and Pharmacology, 2016, 20, 25.	1.2	5
117	Neuronal nitric oxide synthase modulation of intracellular Ca ²⁺ handling overrides fatty acid potentiation of cardiac inotropy in hypertensive rats. Pflugers Archiv European Journal of Physiology, 2017, 469, 1359-1371.	2.8	5
118	Oxygen-dependent regulation of ion channels: acute responses, post-translational modification, and response to chronic hypoxia. Pflugers Archiv European Journal of Physiology, 2021, 473, 1589-1602.	2.8	5
119	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
120	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. Journal of Korean Medical Science, 2009, 24, 403.	2.5	4
121	CD40 Co-stimulation Inhibits Sustained BCR-induced Ca ²⁺ Signaling in Response to Long-term Antigenic Stimulation of Immature B Cells. Korean Journal of Physiology and Pharmacology, 2011, 15, 179.	1.2	4
122	The inhibitory effect of BIM (I) on L-type Ca ²⁺ channels in rat ventricular cells. Biochemical and Biophysical Research Communications, 2012, 423, 110-115.	2.1	4
123	Negligible effect of eNOS palmitoylation on fatty acid regulation of contraction in ventricular myocytes from healthy and hypertensive rats. Pflugers Archiv European Journal of Physiology, 2017, 469, 1141-1149.	2.8	4
124	Biphasic augmentation of alpha-adrenergic contraction by plumbagin in rat systemic arteries. Korean Journal of Physiology and Pharmacology, 2017, 21, 687.	1.2	4
125	Endurance exercise training restores atrophy-induced decreases of myogenic response and ionic currents in rat skeletal muscle artery. Journal of Applied Physiology, 2019, 126, 1713-1724.	2.5	4
126	Thermosensitivity of the voltage-dependent activation of calcium homeostasis modulator 1 (calhm1) ion channel. Biochemical and Biophysical Research Communications, 2021, 534, 590-596.	2.1	4

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127	Dual regulatory effects of PI(4,5)P ₂ on TREK-2 K ⁺ channel through antagonizing interaction between the alkaline residues (K ³³⁰ and R ³⁵⁵⁻³⁵⁷) in the cytosolic C-terminal helix. Korean Journal of Physiology and Pharmacology, 2020, 24, 555-561.	1.2	4
128	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
129	Early recombinant human epidermal growth factor treatment recovers the irradiation-induced decrease of Na ⁺ absorption prior to the definite histological mucositis. Biomedicine and Pharmacotherapy, 2010, 64, 594-599.	5.6	3
130	Role of muscular eNOS in skeletal arteries: Endothelium-independent hypoxic vasoconstriction of the femoral artery is impaired in eNOS-deficient mice. American Journal of Physiology - Cell Physiology, 2016, 311, C508-C517.	4.6	3
131	Effects of estrogen on intracellular calcium-related T-lymphocyte function. Tissue Engineering and Regenerative Medicine, 2016, 13, 270-273.	3.7	3
132	Potential of endothelium-dependent vasorelaxation of mesenteric arteries from spontaneously hypertensive rats by gemigliptin, a dipeptidyl peptidase-4 inhibitor class of anti-diabetic drug. Korean Journal of Physiology and Pharmacology, 2018, 22, 713.	1.2	3
133	Intramolecular Disulfide Bonds for Biogenesis of CALHM1 Ion Channel Are Dispensable for Voltage-Dependent Activation. Molecules and Cells, 2021, 44, 758-769.	2.6	3
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