Dawon Kang

List of Publications by Year in descending order

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279798 254184 2,228 119 23 43 citations h-index g-index papers 121 121 121 2851 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Thermosensitivity of the two-pore domain K+channels TREK-2 and TRAAK. Journal of Physiology, 2005, 564, 103-116.	2.9	214
2	TREK-2 (K2P10.1) and TRESK (K2P18.1) are major background K+ channels in dorsal root ganglion neurons. American Journal of Physiology - Cell Physiology, 2006, 291, C138-C146.	4.6	180
3	Functional expression of TASK-1/TASK-3 heteromers in cerebellar granule cells. Journal of Physiology, 2004, 554, 64-77.	2.9	118
4	Physicochemical Properties, Biological Activity, Health Benefits, and General Limitations of Aged Black Garlic: A Review. Molecules, 2017, 22, 919.	3.8	101
5	Daidzein administration in vivo reduces myocardial injury in a rat ischemia/reperfusion model by inhibiting NF-kB activation. Life Sciences, 2009, 84, 227-234.	4.3	92
6	Comparison of Anti-Oxidant and Anti-Inflammatory Effects between Fresh and Aged Black Garlic Extracts. Molecules, 2016, 21, 430.	3.8	89
7	Functional Expression of TRESK-2, a New Member of the Tandem-pore K+ Channel Family. Journal of Biological Chemistry, 2004, 279, 28063-28070.	3.4	75
8	Mixing and matching TREK/TRAAK subunits generate heterodimeric K _{2P} channels with unique properties. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 4200-4205.	7.1	66
9	Mechanism of inhibition of TREK-2 (K2P10.1) by the Gq-coupled M3 muscarinic receptor. American Journal of Physiology - Cell Physiology, 2006, 291, C649-C656.	4.6	54
10	Short-term heating reduces the anti-inflammatory effects of fresh raw garlic extracts on the LPS-induced production of NO and pro-inflammatory cytokines by downregulating allicin activity in RAW 264.7 macrophages. Food and Chemical Toxicology, 2013, 58, 545-551.	3.6	51
11	In vitro comparative analysis of human dental stem cells from a single donor and its neuronal differentiation potential evaluated by electrophysiology. Life Sciences, 2016, 154, 39-51.	4.3	49
12	Lamotrigine inhibits TRESK regulated by G-protein coupled receptor agonists. Biochemical and Biophysical Research Communications, 2008, 367, 609-615.	2.1	42
13	Melatonin Attenuates Cisplatin-Induced Acute Kidney Injury through Dual Suppression of Apoptosis and Necroptosis. Biology, 2019, 8, 64.	2.8	42
14	Paroxetine Induces Apoptosis of Human Breast Cancer MCF-7 Cells through Ca2+-and p38 MAP Kinase-Dependent ROS Generation. Cancers, 2019, 11, 64.	3.7	41
15	Tandem Pore Domain Halothane-inhibited K+ Channel Subunits THIK1 and THIK2 Assemble and Form Active Channels. Journal of Biological Chemistry, 2014, 289, 28202-28212.	3.4	36
16	Mutation of a single residue promotes gating of vertebrate and invertebrate two-pore domain potassium channels. Nature Communications, 2019, 10, 787.	12.8	35
17	Polymorphisms in genes involved in folate metabolism and plasma DNA methylation in colorectal cancer patients. Oncology Reports, 2011, 25, 167-72.	2.6	34
18	Changes in Dpysl2 expression are associated with prenatally stressed rat offspring and susceptibility to schizophrenia in humans. International Journal of Molecular Medicine, 2015, 35, 1574-1586.	4.0	33

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19	Properties of single two-pore domain TREK-2 channels expressed in mammalian cells. Journal of Physiology, 2007, 583, 57-69.	2.9	32
20	Genetic Variants of HOTAIR Associated With Colorectal Cancer Susceptibility and Mortality. Frontiers in Oncology, 2020, 10, 72.	2.8	31
21	Early-Life Stress Modulates Gut Microbiota and Peripheral and Central Inflammation in a Sex-Dependent Manner. International Journal of Molecular Sciences, 2021, 22, 1899.	4.1	31
22	Association between Body Mass Index and Sputum Culture Conversion among South Korean Patients with Multidrug Resistant Tuberculosis in a Tuberculosis Referral Hospital. Infection and Chemotherapy, 2016, 48, 317.	2.3	26
23	Sea Hare Hydrolysate-Induced Reduction of Human Non-Small Cell Lung Cancer Cell Growth through Regulation of Macrophage Polarization and Non-Apoptotic Regulated Cell Death Pathways. Cancers, 2020, 12, 726.	3.7	26
24	Increase in cytosolic Ca ²⁺ produced by hypoxia and other depolarizing stimuli activates a nonâ€selective cation channel in chemoreceptor cells of rat carotid body. Journal of Physiology, 2014, 592, 1975-1992.	2.9	24
25	Antagonistic Effect of a Cytoplasmic Domain on the Basal Activity of Polymodal Potassium Channels. Frontiers in Molecular Neuroscience, 2018, 11, 301.	2.9	24
26	Aged Red Garlic Extract Reduces Cigarette Smoke Extractâ€induced Cell Death in Human Bronchial Smooth Muscle Cells by Increasing Intracellular Glutathione Levels. Phytotherapy Research, 2012, 26, 18-25.	5.8	23
27	TRESK channel as a potential target to treat T-cell mediated immune dysfunction. Biochemical and Biophysical Research Communications, 2009, 390, 1102-1105.	2.1	22
28	Effects of modulators of AMP-activated protein kinase on TASK-1/3 and intracellular Ca2+ concentration in rat carotid body glomus cells. Respiratory Physiology and Neurobiology, 2014, 195, 19-26.	1.6	22
29	Characterization and Evaluation of Neuronal Trans-Differentiation with Electrophysiological Properties of Mesenchymal Stem Cells Isolated from Porcine Endometrium. International Journal of Molecular Sciences, 2015, 16, 10934-10951.	4.1	22
30	Expression of thermosensitive twoâ€pore domain K ⁺ channels in human keratinocytes cell line HaCaT cells. Experimental Dermatology, 2007, 16, 1016-1022.	2.9	21
31	Expression and localization of two-pore domain K+ channels in bovine germ cells. Reproduction, 2009, 137, 237-244.	2.6	20
32	THIK-1 (K2P13.1) is a small-conductance background K+ channel in rat trigeminal ganglion neurons. Pflugers Archiv European Journal of Physiology, 2014, 466, 1289-1300.	2.8	20
33	Association between Mitofusin 2 Gene Polymorphisms and Late-Onset Alzheimer's Disease in the Korean Population. Psychiatry Investigation, 2017, 14, 81.	1.6	20
34	Acetylcholine increases Ca2+ influx by activation of CaMKII in mouse oocytes. Biochemical and Biophysical Research Communications, 2007, 360, 476-482.	2.1	19
35	Anti-inflammatory Activities of Fermented Black Garlic. Journal of the Korean Society of Food Science and Nutrition, 2014, 43, 1527-1534.	0.9	19
36	Cigarette Smoke Extract-induced Reduction in Migration and Contraction in Normal Human Bronchial Smooth Muscle Cells. Korean Journal of Physiology and Pharmacology, 2011, 15, 397.	1.2	18

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37	Activation of TREK-1, but Not TREK-2, Channel by Mood Stabilizers. International Journal of Molecular Sciences, 2017, 18, 2460.	4.1	18
38	Dipeptide YA is Responsible for the Positive Effect of Oyster Hydrolysates on Alcohol Metabolism in Single Ethanol Binge Rodent Models. Marine Drugs, 2020, 18, 512.	4.6	18
39	Acetylcholine induces Ca 2+ oscillations via m3/m4 muscarinic receptors in the mouse oocyte. Pflugers Archiv European Journal of Physiology, 2003, 447, 321-327.	2.8	17
40	Aged Red Garlic Extract Suppresses Nitric Oxide Production in Lipopolysaccharide-Treated RAW 264.7 Macrophages Through Inhibition of NF- <i>κ</i> B. Journal of Medicinal Food, 2015, 18, 439-445.	1.5	17
41	Lipid Emulsion Inhibits the Late Apoptosis/Cardiotoxicity Induced by Doxorubicin in Rat Cardiomyoblasts. Cells, 2018, 7, 144.	4.1	17
42	Oyster-Derived Tyr-Ala (YA) Peptide Prevents Lipopolysaccharide/D-Galactosamine-Induced Acute Liver Failure by Suppressing Inflammatory, Apoptotic, Ferroptotic, and Pyroptotic Signals. Marine Drugs, 2021, 19, 614.	4.6	17
43	Genetic variants in 3′-UTRs of methylenetetrahydrofolate reductase (MTHFR) predict colorectal cancer susceptibility in Koreans. Scientific Reports, 2015, 5, 11006.	3.3	16
44	Association between IRS1 Gene Polymorphism and Autism Spectrum Disorder: A Pilot Case-Control Study in Korean Males. International Journal of Molecular Sciences, 2016, 17, 1227.	4.1	16
45	Dual effects of fluoxetine on mouse early embryonic development. Toxicology and Applied Pharmacology, 2012, 265, 61-72.	2.8	14
46	K+ efflux through two-pore domain K+ channels is required for mouse embryonic development. Reproduction, 2012, 143, 625-636.	2.6	13
47	T Allele of nonsense polymorphism (rs2039381, Gln71Stop) of interferon-Îμ is a risk factor for the development of intracerebral hemorrhage. Human Immunology, 2014, 75, 88-90.	2.4	13
48	Identification of blocker binding site in mouse TRESK by molecular modeling and mutational studies. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 1131-1142.	2.6	12
49	Ablation of dynamin-related protein 1 promotes diabetes-induced synaptic injury in the hippocampus. Cell Death and Disease, 2021, 12, 445.	6.3	12
50	Effects of analgesics and antidepressants on TREK-2 and TRESK currents. Korean Journal of Physiology and Pharmacology, 2016, 20, 379.	1.2	11
51	Verapamil Inhibits TRESK (K2P18.1) Current in Trigeminal Ganglion Neurons Independently of the Blockade of Ca2+ Influx. International Journal of Molecular Sciences, 2018, 19, 1961.	4.1	10
52	Upregulation of Human Mammaglobin Reduces Migration and Invasion of Breast Cancer Cells. Cancer Investigation, 2014, 32, 22-29.	1.3	9
53	Involvement of TREK-1 Channel in Cell Viability of H9c2 Rat Cardiomyoblasts Affected by Bupivacaine and Lipid Emulsion. Cells, 2019, 8, 454.	4.1	9
54	Association between TP53 genetic polymorphisms and the methylation and expression of miRâ€'34a, 34b/c in colorectal cancer tissues. Oncology Letters, 2019, 17, 4726-4734.	1.8	9

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55	Acetylcholine rescues two-cell block through activation of IP3 receptors and Ca2+/calmodulin-dependent kinase II in an ICR mouse strain. Pflugers Archiv European Journal of Physiology, 2009, 458, 1125-1136.	2.8	8
56	Association of annexin A5 polymorphisms with obesity. Biomedical Reports, 2013, 1, 654-658.	2.0	8
57	<i>LAMB1</i> polymorphism is associated with autism symptom severity in Korean autism spectrum disorder patients. Nordic Journal of Psychiatry, 2015, 69, 594-598.	1.3	8
58	H ₂ O ₂ â€induced upâ€regulation of CatSper3 in mouse brain. Molecular Reproduction and Development, 2010, 77, 650-650.	2.0	7
59	Inhibition of Vascular Endothelial Growth Factor Receptor 3 Reduces Migration of Gastric Cancer Cells. Cancer Investigation, 2015, 33, 398-404.	1.3	7
60	Aplysia kurodai -derived glycosaminoglycans increase the phagocytic ability of macrophages via the activation of AMP-activated protein kinase and cytoskeletal reorganization in RAW264.7 cells. Journal of Functional Foods, 2016, 27, 122-130.	3.4	7
61	Linoleic Acid Attenuates the Toxic Dose of Bupivacaine-Mediated Reduction of Vasodilation Evoked by the Activation of Adenosine Triphosphate-Sensitive Potassium Channels. International Journal of Molecular Sciences, 2018, 19, 1876.	4.1	7
62	TRPV1 Is Associated with Testicular Apoptosis in Mice. Journal of Animal Reproduciton and Biotechnology, 2019, 34, 311-317.	0.6	7
63	Single-Channel Recording of TASK-3-like K+ Channel and Up-Regulation of TASK-3 mRNA Expression after Spinal Cord Injury in Rat Dorsal Root Ganglion Neurons. Korean Journal of Physiology and Pharmacology, 2008, 12, 245.	1.2	6
64	Reduction of Asthmatic Parameters by Sea Hare Hydrolysates in a Mouse Model of Allergic Asthma. Nutrients, 2017, 9, 699.	4.1	6
65	Differentiation potential of different regions-derived same donor human Wharton's jelly mesenchymal stem cells into functional smooth muscle-like cells. Cell and Tissue Research, 2019, 377, 229-243.	2.9	6
66	Trifluoperazine and Its Analog Suppressed the Tumorigenicity of Non-Small Cell Lung Cancer Cell; Applicability of Antipsychotic Drugs to Lung Cancer Treatment. Biomedicines, 2022, 10, 1046.	3.2	6
67	Association of tripartite motif family-like 2 (TRIML2) polymorphisms with late-onset Alzheimer's disease risk in a Korean population. Neuroscience Letters, 2016, 630, 127-131.	2.1	5
68	Autotransplantation of the Heart for Recurrent Inflammatory Myofibroblastic Tumor. Journal of Korean Medical Science, 2017, 32, 1548.	2.5	5
69	BBOX1 is down-regulated in maternal immune-activated mice and implicated in genetic susceptibility to human schizophrenia. Psychiatry Research, 2018, 259, 197-202.	3. 3	5
70	PTPN6 regulates the cell-surface expression of TRPM4 channels in HEK293 cells. Pflugers Archiv European Journal of Physiology, 2018, 470, 1449-1458.	2.8	5
71	Upregulation of TRESK Channels Contributes to Motor and Sensory Recovery after Spinal Cord Injury. International Journal of Molecular Sciences, 2020, 21, 8997.	4.1	5
72	Lipofundin MCT/LCT Inhibits Levcromakalim-Induced Vasodilation by Inhibiting Endothelial Nitric Oxide Release. International Journal of Molecular Sciences, 2020, 21, 1763.	4.1	5

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73	Lipid emulsions attenuate the inhibition of carnitine acylcarnitine translocase induced by toxic doses of local anesthetics in rat cardiomyoblasts. Human and Experimental Toxicology, 2022, 41, 096032712110659.	2.2	5
74	Association of the vascular endothelial growth factor (VEGF-1154G>A) polymorphism in patients with colorectal cancer. Genes and Genomics, 2011, 33, 133-138.	1.4	4
75	Involvement of Fibroblast Growth Factor Receptor Genes in Benign Prostate Hyperplasia in a Korean Population. Disease Markers, 2013, 35, 869-875.	1.3	4
76	<i>Helicobacter pylori</i> γ-glutamyl transpeptidase-induced Ca ²⁺ release via PLC–IP3 receptors in AGS cells. Canadian Journal of Microbiology, 2014, 60, 865-868.	1.7	4
77	Genetic association of STARD6 polymorphisms with Alzheimer's disease in a Korean population. Journal of the Neurological Sciences, 2016, 366, 100-101.	0.6	4
78	Chemical pleurodesis with Viscum album L. extract for secondary spontaneous pneumothorax in elderly patients. Journal of Thoracic Disease, 2020, 12, 5440-5445.	1.4	4
79	Alterations in the Physicochemical Properties and Antioxidant Activity during Aging of Stored Raw Garlic. Foods, 2022, 11, 1390.	4.3	4
80	An endogenous acid-sensitive K+ channel expressed in COS-7 cells. Biochemical and Biophysical Research Communications, 2006, 341, 1231-1236.	2.1	3
81	Regulation of K+ channels may enhance wound healing in the skin. Medical Hypotheses, 2008, 71, 927-929.	1.5	3
82	Mepivacaine attenuates vasodilation induced by ATP-sensitive potassium channels in rat aorta. Canadian Journal of Physiology and Pharmacology, 2016, 94, 1211-1219.	1.4	3
83	Skin regeneration effect of the Glycosaminoglycans from Liparis tessellatus eggs. International Journal of Biological Macromolecules, 2017, 105, 1369-1374.	7.5	3
84	Comparison of Clinical Outcomes between Surgical Repair and Endovascular Stent for the Treatment of Abdominal Aortic Aneurysm. Vascular Specialist International, 2017, 33, 140-145.	0.6	3
85	Evaluation of Preoperative Predictors of 30-Day Mortality in Patients with Ruptured Abdominal Aortic Aneurysm. Vascular Specialist International, 2017, 33, 93-98.	0.6	3
86	Anti-Obesity Effect of Pine Needle Extract on High-Fat Diet-Induced Obese Mice. Plants, 2021, 10, 837.	3.5	3
87	Immunoglobulin G4-Related Aortitis of the Abdominal Aorta. Korean Journal of Thoracic and Cardiovascular Surgery, 2019, 52, 239-242.	0.6	3
88	The impact of the COVID-19 pandemic on outpatients of internal medicine and pediatrics. Medicine (United States), 2022, 101, e28884.	1.0	3
89	Oyster broth concentrate and its major component taurine alleviate acute alcoholâ€induced liver damage. Food Science and Nutrition, 2022, 10, 2390-2399.	3.4	3
90	Acetylcholine controls mouse oocyte maturation via downregulation of cAMP. Clinical and Experimental Pharmacology and Physiology, 2011, 38, 435-437.	1.9	2

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91	Association between a synonymous SNP (rs470558, Ala216Ala) of MMP1 and schizophrenia with auditory hallucinations in Korean population. Molecular and Cellular Toxicology, 2012, 8, 297-302.	1.7	2
92	Association between promoter polymorphism (rs10789970) in 5-hydroxytryptamine receptor 3B and poor concentration in schizophrenia. Psychiatry Research, 2014, 219, 235-237.	3.3	2
93	TASK-1 (K2P3) and TASK-3 (K2P9) in Rabbit Carotid Body Glomus Cells. Advances in Experimental Medicine and Biology, 2018, 1071, 35-41.	1.6	2
94	Sternal reconstruction with bone cement block using the rigid plate fixation technique. Thoracic Cancer, 2019, 10, 2022-2025.	1.9	2
95	Perforation of inferior vena cava and duodenum by strut of inferior vena cava filter. Medicine (United States), 2019, 98, e17835.	1.0	2
96	Veno-Arterial-Venous Extracorporeal Membrane Oxygenation in a Critically III Patient with Coronavirus Disease 2019. Medicina (Lithuania), 2020, 56, 510.	2.0	2
97	Association between the promoter haplotype of RTN4 gene and schizophrenia in a Korean population. Psychiatry Research, 2021, 299, 113841.	3.3	2
98	Biochemical Markers as Predictors of In-Hospital Mortality in Patients with Severe Trauma: A Retrospective Cohort Study. Korean Journal of Critical Care Medicine, 2017, 32, 240-246.	0.1	2
99	Clinical Results of Ascending Aorta and Aortic Arch Replacement under Moderate Hypothermia with Right Brachial and Femoral Artery Perfusion. Korean Journal of Thoracic and Cardiovascular Surgery, 2011, 44, 215-219.	0.6	2
100	Iridal-Type Triterpenoids Displaying Human Neutrophil Elastase Inhibition and Anti-Inflammatory Effects from Belamcanda chinensis. Molecules, 2021, 26, 6602.	3.8	2
101	Aquaporin 4 expression is downregulated in large bovine ovarian follicles. Journal of Animal Reproduciton and Biotechnology, 2020, 35, 315-322.	0.6	2
102	Changes in Chemical Compositions and Antioxidant Activities from Fresh to Fermented Red Mountain-Cultivated Ginseng. Molecules, 2022, 27, 4550.	3.8	2
103	Combination of polymorphisms between MTHFR and TS gene modulates survival after 5-fluorouracil-based therapy in colorectal cancer patients. Genes and Genomics, 2010, 32, 469-475.	1.4	1
104	Changes in Serum Electrolytes, ECG, and Baroreflex Sensitivity during Combined Pituitary Stimulation Test. BioMed Research International, 2018, 2018, 1-11.	1.9	1
105	Muscimol Directly Activates the TREK-2 Channel Expressed in GABAergic Neurons through Its N-Terminus. International Journal of Molecular Sciences, 2021, 22, 9320.	4.1	1
106	TRPV1 activation induces cell death of TM3 mouse Leydig cells. Journal of Animal Reproduciton and Biotechnology, 2021, 36, 145-153.	0.6	1
107	A Report of Two Cases of Adventitial Cystic Disease of the Popliteal Artery. Knee Surgery and Related Research, 2018, 30, 167-170.	4.2	1
108	Cardiac Calcified Amorphous Tumor in the Left Atrium: A Case Report. Journal of Chest Surgery, 2022, 55, 95-97.	0.5	1

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109	Testosterone secretion is affected by receptor tyrosine kinase c-Kit and anoctamin 1 activation in mouse Leydig cells. Journal of Animal Reproduciton and Biotechnology, 2022, 37, 87-95.	0.6	1
110	Association between coding single nucleotide polymorphisms in ADAMTS20 and schizophrenia in a Korean population. Psychiatry Research, 2016, 246, 332-334.	3.3	0
111	[P2–119]: THE ASSOCIATION BETWEEN <i>CACNA1C</i> GENE POLYMORPHISM AND LATEâ€ONSET ALZHEIM DISEASE IN THE KOREAN POPULATION. Alzheimer's and Dementia, 2017, 13, P652.	IER's	0
112	Adenocarcinoma masked by reâ€expansion pulmonary edema after chest drainage for pneumothorax. Thoracic Cancer, 2019, 10, 1834-1836.	1.9	0
113	Identification of Brain Damage after Seizures Using an MR-Based Electrical Conductivity Imaging Method. Diagnostics, 2021, 11, 569.	2.6	0
114	Altered Expression of TASK-3 and Aquaporin 4 Channelsin Bovine Ovary with Follicular Cyst Biology of Reproduction, 2008, 78, 170-170.	2.7	0
115	Effects of modulators of AMPK on TASK K+ channel and [Ca2+] in rat carotid body glomus cells. FASEB Journal, 2013, 27, 1207.7.	0.5	0
116	Fluoxetine Treatment during In Vitro Fertilization and Culture Increases Bovine Embryonic Development. Journal of Animal Reproduciton and Biotechnology, 2014, 29, 133-139.	0.6	0
117	Role of K+ Channels in H2O2- and Cryo-induced Apoptosis of Mouse and Bovine Embryos. Journal of Animal Reproduciton and Biotechnology, 2014, 29, 249-255.	0.6	0
118	Inferior Mesentery Artery and Internal Iliac Artery Preservation with Covered Self-Expanding Stents during Endovascular Aneurysm Repair. Vascular Specialist International, 2016, 32, 190-194.	0.6	0
119	Successful Anticoagulation Therapy for Antiphospholipid Syndrome with Mobile Aortic Thrombi. Vascular Specialist International, 2016, 32, 186-189.	0.6	0