Chul-Seung Park

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7280669/publications.pdf

Version: 2024-02-01

		186265	175258
95	3,050	28	52
papers	citations	h-index	g-index

95	95	95	3593
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cereblon contributes to cardiac dysfunction by degrading Cav1.2Î±. European Heart Journal, 2022, 43, 1973-1989.	2.2	8
2	Discovery and characterization of a potent activator of the BKCa channel that relives overactive bladder syndrome in rats. European Journal of Pharmacology, 2022, 927, 175055.	3.5	0
3	Novel Thioxothiazolo[3,4-a]quinazolin-5(4H)-one Derivatives as BK_{Ca} Channel Activators for Urinary Incontinence. ACS Medicinal Chemistry Letters, 2022, 13, 1052-1061.	2.8	2
4	Identification and Characterization of a Novel Large-Conductance Calcium-Activated Potassium Channel Activator, CTIBD, and Its Relaxation Effect on Urinary Bladder Smooth Muscle. Molecular Pharmacology, 2021, 99, 114-124.	2.3	2
5	Ablation of CRBN induces loss of type I collagen and SCH in mouse skin by fibroblast senescence via the p38 MAPK pathway. Aging, 2021, 13, 6406-6419.	3.1	7
6	Cereblon Regulates the Proteotoxicity of Tau by Tuning the Chaperone Activity of DNAJA1. Journal of Neuroscience, 2021, 41, 5138-5156.	3.6	5
7	Regulation of AMPK Activity by CRBN Is Independent of the Thalidomide-CRL4CRBN Protein Degradation Axis. Pharmaceuticals, 2021, 14, 512.	3.8	2
8	Synthesis and BK channel-opening activity of 2-amino-1,3-thiazole derivatives. Bioorganic and Medicinal Chemistry Letters, 2021, 43, 128083.	2.2	3
9	Cereblon: promise and challenges for combating human diseases. Pflugers Archiv European Journal of Physiology, 2021, 473, 1695-1711.	2.8	6
10	Neurite growth of trigeminal ganglion neurons in vitro with near-infrared light irradiation. Journal of Photochemistry and Photobiology B: Biology, 2020, 210, 111959.	3.8	10
11	Crbn modulates calcium influx by regulating Orai1 during efferocytosis. Nature Communications, 2020, 11, 5489.	12.8	18
12	Induction of SIRT1 by melatonin improves alcoholâ€mediated oxidative liver injury by disrupting the CRBNâ€YY1â€CYP2E1 signaling pathway. Journal of Pineal Research, 2020, 68, e12638.	7.4	29
13	Ubiquitin-dependent proteasomal degradation of AMPK gamma subunit by Cereblon inhibits AMPK activity. Biochimica Et Biophysica Acta - Molecular Cell Research, 2020, 1867, 118729.	4.1	16
14	Susceptibility of pentylenetetrazole-induced seizures in mice with Cereblon gene knockout. BMB Reports, 2020, 53, 484-489.	2.4	3
15	Impairment of proprioceptive movement and mechanical nociception in <scp>Drosophila melanogaster</scp> larvae lacking Ppk30, a Drosophila member of the Degenerin/Epithelial Sodium Channel family. Genes, Brain and Behavior, 2019, 18, e12545.	2.2	10
16	Introduction to the Korean Biophysical Society (KBPS). Biophysical Reviews, 2019, 11, 267-268.	3.2	2
17	Molecular mechanism of cereblonâ€dependent down regulation of AMPâ€activated protein kinase. FASEB Journal, 2019, 33, 487.24.	0.5	0
18	Cereblon Maintains Synaptic and Cognitive Function by Regulating BK Channel. Journal of Neuroscience, 2018, 38, 3571-3583.	3.6	37

#	Article	IF	Citations
19	BK channel blocker paxilline attenuates thalidomide-caused synaptic and cognitive dysfunctions in mice. Scientific Reports, 2018, 8, 17653.	3.3	8
20	T cell microvilli constitute immunological synaptosomes that carry messages to antigen-presenting cells. Nature Communications, 2018, 9, 3630.	12.8	81
21	Direct Activation of the Large-Conductance Calcium-Activated Potassium Channel by Flavonoids Isolated from Sophora flavescens. Biological and Pharmaceutical Bulletin, 2018, 41, 1295-1298.	1.4	6
22	Discovery of Potent Antiallodynic Agents for Neuropathic Pain Targeting P2X3 Receptors. ACS Chemical Neuroscience, 2017, 8, 1465-1478.	3.5	24
23	SPIN90 Modulates Long-Term Depression and Behavioral Flexibility in the Hippocampus. Frontiers in Molecular Neuroscience, 2017, 10, 295.	2.9	8
24	Differential effects of N-linked glycosylation of Vstm5 at multiple sites on surface expression and filopodia formation. PLoS ONE, 2017, 12, e0181257.	2.5	1
25	Cereblon in health and disease. Pflugers Archiv European Journal of Physiology, 2016, 468, 1299-1309.	2.8	43
26	Cereblon negatively regulates TLR4 signaling through the attenuation of ubiquitination of TRAF6. Cell Death and Disease, 2016, 7, e2313-e2313.	6.3	49
27	Putative Cell Adhesion Membrane Protein Vstm5 Regulates Neuronal Morphology and Migration in the Central Nervous System. Journal of Neuroscience, 2016, 36, 10181-10197.	3.6	13
28	Epigenetic regulation of Kcna3 -encoding Kv1.3 potassium channel by cereblon contributes to regulation of CD4 ⁺ T-cell activation. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 8771-8776.	7.1	35
29	Urinary Bladder-Relaxant Effect of Kurarinone Depending on Potentiation of Large-Conductance Ca²⁺-Activated K⁺ Channels. Molecular Pharmacology, 2016, 90, 140-150.	2.3	12
30	Glutamine Triggers Acetylation-Dependent Degradation of Glutamine Synthetase via the Thalidomide Receptor Cereblon. Molecular Cell, 2016, 61, 809-820.	9.7	132
31	Depletion of the cereblon gene activates the unfolded protein response and protects cells from ER stress-induced cell death. Biochemical and Biophysical Research Communications, 2015, 458, 34-39.	2.1	12
32	The Anoctamin Family Channel Subdued Mediates Thermal Nociception in Drosophila. Journal of Biological Chemistry, 2015, 290, 2521-2528.	3.4	21
33	Regulation of basal autophagy by transient receptor potential melastatin 7 (TRPM7) channel. Biochemical and Biophysical Research Communications, 2015, 463, 7-12.	2.1	19
34	Inhibition of cereblon by fenofibrate ameliorates alcoholic liver disease by enhancing AMPK. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2015, 1852, 2662-2670.	3.8	18
35	Effect of the Novel BKCa Channel Opener LDD175 on the Modulation of Corporal Smooth Muscle Tone. Journal of Sexual Medicine, 2015, 12, 29-38.	0.6	9
36	Functional Effects of a Pathogenic Mutation in Cereblon (CRBN) on the Regulation of Protein Synthesis via the AMPK-mTOR Cascade. Journal of Biological Chemistry, 2014, 289, 23343-23352.	3.4	23

#	Article	IF	Citations
37	Effects of palmitoylation on the diffusional movement of BK_{Ca} channels in live cells. FEBS Letters, 2014, 588, 713-719.	2.8	6
38	Ablation of cereblon attenuates myocardial ischemiaâ€“reperfusion injury. Biochemical and Biophysical Research Communications, 2014, 447, 649-654.	2.1	13
39	Design and synthesis of potent and selective P2X3 receptor antagonists derived from PPADS as potential pain modulators. European Journal of Medicinal Chemistry, 2013, 70, 811-830.	5.5	15
40	Development of cell-based assay system that utilizes a hyperactive channel mutant for high-throughput screening of BKCa channel modulators. Journal of Biotechnology, 2013, 167, 41-46.	3.8	6
41	Disruption of the Cereblon Gene Enhances Hepatic AMPK Activity and Prevents High-Fat Dietâ€“Induced Obesity and Insulin Resistance in Mice. Diabetes, 2013, 62, 1855-1864.	0.6	64
42	Localization of a Site of Action for Benzofuroindole-Induced Potentiation of BK_{Ca} Channels. Molecular Pharmacology, 2012, 82, 143-155.	2.3	11
43	Cereblon inhibits proteasome activity by binding to the 20S core proteasome subunit beta type 4. Biochemical and Biophysical Research Communications, 2012, 427, 618-622.	2.1	21
44	Desipramine Inhibits Histamine H1 Receptor-Induced Ca2+ Signaling in Rat Hypothalamic Cells. PLoS ONE, 2012, 7, e36185.	2.5	5
45	Site-specific multipoint fluorescence measurement system with end-capped optical fibers. Applied Optics, 2011, 50, 3529.	2.1	3
46	Characterization of protoberberine analogs employed as novel human P2X7 receptor antagonists. Toxicology and Applied Pharmacology, 2011, 252, 192-200.	2.8	7
47	Functional effects of cytoskeletal components on the lateral movement of individual BKCachannels expressed in live COS-7 cell membrane. FEBS Letters, 2011, 585, 2323-2330.	2.8	6
48	Functional modulation of AMP-activated protein kinase by cereblon. Biochimica Et Biophysica Acta - Molecular Cell Research, 2011, 1813, 448-455.	4.1	81
49	Alteration of the Transcriptional Profile of Human Embryonic Kidney Cells by Transient Overexpression of Mouse TRPM7 Channels. Cellular Physiology and Biochemistry, 2011, 27, 313-326.	1.6	10
50	Site specific multi-point fluorescence measurement system for fluorescence correlation spectroscopy. , 2010, , .		0
51	Movements of Individual BKCa Channels in Live Cell Membrane Monitored by Site-Specific Labeling Using Quantum Dots. Biophysical Journal, 2010, 99, 2853-2862.	0.5	15
52	Induction of cereblon by NF-E2-related factor 2 in neuroblastoma cells exposed to hypoxia-reoxygenation. Biochemical and Biophysical Research Communications, 2010, 399, 711-715.	2.1	13
53	Bladder-Relaxant Properties of the Novel Benzofuroindole Analogue LDD175. Pharmacology, 2009, 83, 367-378.	2.2	17
54	Inhibition of intestinal motility by the putative BKCa channel opener LDD175. Archives of Pharmacal Research, 2009, 32, 413-420.	6.3	14

#	Article	IF	Citations
55	Regulation of dendritic spine morphology by SPIN90, a novel Shank binding partner. Journal of Neurochemistry, 2009, 109, 1106-1117.	3.9	20
56	Modulation of the Conductance-Voltage Relationship of the BKCa Channel by Shortening the Cytosolic Loop Connecting Two RCK Domains. Biophysical Journal, 2009, 97, 730-737.	0.5	7
57	Crystal structure of the leucine zipper domain of smallâ€conductance Ca²⁺â€activated K⁺ (SK_{Ca}) channel from Rattus norvegicus. Proteins: Structure, Function and Bioinformatics, 2008, 70, 568-571.	2.6	13
58	Modulation of the Conductance-Voltage Relationship of the BKCa Channel by Mutations at the Putative Flexible Interface between Two RCK Domains. Biophysical Journal, 2008, 94, 446-456.	0.5	20
59	Crystal Structure of the GluR0 Ligand-Binding Core from Nostoc punctiforme in Complex with l-Glutamate: Structural Dissection of the Ligand Interaction and Subunit Interface. Journal of Molecular Biology, 2008, 376, 308-316.	4.2	21
60	Potentiation of large-conductance calcium-activated potassium (BKCa) channels by a specific isoform of protein kinase C. Biochemical and Biophysical Research Communications, 2008, 365, 459-465.	2.1	15
61	Identification of ginsenoside interaction sites in 5-HT3A receptors. Neuropharmacology, 2007, 52, 1139-1150.	4.1	34
62	Myelin basic protein as a binding partner and calmodulin adaptor for the BK_{Ca} channel. Proteomics, 2007, 7, 2591-2602.	2.2	17
63	Structureâ^'Activity Relationship Studies of Spinorphin as a Potent and Selective Human P2X3Receptor Antagonist. Journal of Medicinal Chemistry, 2007, 50, 4543-4547.	6.4	31
64	Electrophysiological Characterization of Benzofuroindole-Induced Potentiation of Large-Conductance Ca2+-Activated K+ Channels. Molecular Pharmacology, 2006, 69, 1007-1014.	2.3	19
65	Hydrophobic Interface between Two Regulators of K+ Conductance Domains Critical for Calcium-dependent Activation of Large Conductance Ca2+-activated K+ Channels. Journal of Biological Chemistry, 2006, 281, 38573-38581.	3.4	35
66	Establishment of an assay for P2X7 receptor-mediated cell death. Molecules and Cells, 2006, 22, 198-202.	2.6	5
67	A highly efficient synthesis of unnatural l-sugars from d-ribose. Tetrahedron Letters, 2005, 46, 5903-5905.	1.4	55
68	Identification and functional characterization of cereblon as a binding protein for large-conductance calcium-activated potassium channel in rat brain. Journal of Neurochemistry, 2005, 94, 1212-1224.	3.9	120
69	Benzofuroindole Analogues as Potent BK_{Ca} Channel Openers. ChemBioChem, 2005, 6, 1745-1748.	2.6	35
70	Identification and Functional Characterization of Ankyrin-Repeat Family Protein ANKRA as a Protein Interacting with BKCaChannel. Molecular Biology of the Cell, 2005, 16, 1013-1025.	2.1	16
71	Sodium Permeability of a Cloned Small-Conductance Calcium-Activated Potassium Channel. Biophysical Journal, 2005, 89, 3111-3119.	0.5	15
72	Melastatin-Type Transient Receptor Potential Channel 7 Is Required for Intestinal Pacemaking Activity. Gastroenterology, 2005, 129, 1504-1517.	1.3	129

#	Article	IF	Citations
73	Artificial Ion Channel Formed by Cucurbit[n]uril Derivatives with a Carbonyl Group Fringed Portal Reminiscent of the Selectivity Filter of K+Channels. Journal of the American Chemical Society, 2004, 126, 15944-15945.	13.7	169
74	A new putative cyclic nucleotide-gated channel gene, cng-3, is critical for thermotolerance in Caenorhabditis elegans. Biochemical and Biophysical Research Communications, 2004, 325, 525-531.	2.1	53
75	Functional Effects of Auxiliary Î²4-Subunit on Rat Large-Conductance Ca2+-Activated K+ Channel. Biophysical Journal, 2004, 86, 2871-2882.	0.5	66
76	Ginsenosides regulate ligand-gated ion channels from the outside. Molecules and Cells, 2004, 18, 115-21.	2.6	16
77	A TRPV family ion channel required for hearing in Drosophila. Nature, 2003, 424, 81-84.	27.8	371
78	Impairment of a parabolic bursting rhythm by the ectopic expression of a small conductance Ca2+-activated K+ channel in Aplysia neuron R15. Neuroscience Letters, 2003, 349, 53-57.	2.1	3
79	Binding symmetry of extracellular divalent cations to conduction pore studied using tandem dimers of a CNG channel. Biochemical and Biophysical Research Communications, 2002, 298, 478-485.	2.1	1
80	Localization of Divalent Cation-Binding Site in the Pore of a Small Conductance Ca2+-Activated K+ Channel and Its Role in Determining Current-Voltage Relationship. Biophysical Journal, 2002, 83, 2528-2538.	0.5	39
81	Identification of the cofilin-binding sites in the large cytoplasmic domain of Na,K-ATPase. Biochimie, 2002, 84, 1021-1029.	2.6	8
82	Glutathione potentiates cloned rat brain large conductance Ca2+-activated K+ channels (rSlo). Neuroscience Letters, 2002, 318, 9-12.	2.1	4
83	Inwardly Rectifying Current-Voltage Relationship of Small-Conductance Ca2+-Activated K+ Channels Rendered by Intracellular Divalent Cation Blockade. Biophysical Journal, 2001, 80, 2207-2215.	0.5	46
84	Electrophysiological Characteristics of Rat Gustatory Cyclic Nucleotideâ€“Gated Channel Expressed in Xenopus Oocytes. Journal of Neurophysiology, 2001, 85, 2335-2349.	1.8	12
85	Characterization of a novel gene expressed in neuromuscular tissues and centrosomes inCaenorhabditis elegans. Cell Biochemistry and Function, 2001, 19, 79-88.	2.9	0
86	A novel activation of Ca2+ -activated Clâ¯ channel in Xenopus oocytes by Ginseng saponins: evidence for the involvement of phospholipase C and intracellular Ca2+ mobilization. British Journal of Pharmacology, 2001, 132, 641-648.	5.4	46
87	Calreticulin, a Calcium-binding Molecular Chaperone, Is Required for Stress Response and Fertility inCaenorhabditis elegans. Molecular Biology of the Cell, 2001, 12, 2835-2845.	2.1	122
88	Functional characteristics of two BKCa channel variants differentially expressed in rat brain tissues. FEBS Journal, 2000, 267, 910-918.	0.2	70
89	Calreticulin Couples Calcium Release and Calcium Influx in Integrin-mediated Calcium Signaling. Molecular Biology of the Cell, 2000, 11, 1433-1443.	2.1	111
90	Two isoforms of sarco/endoplasmic reticulum calcium ATPase (SERCA) are essential in Caenorhabditis elegans. Gene, 2000, 261, 211-219.	2.2	41

#	Article	IF	Citations
91	Effects of mutation at a conservedN-glycosylation site in the bovine retinal cyclic nucleotide-gated ion channel. FEBS Letters, 2000, 478, 246-252.	2.8	23
92	Identification and characterization of a putative C. elegans potassium channel gene (Ce-slo-2) distantly related to Ca2+-activated K+ channels. Gene, 1999, 240, 35-43.	2.2	14
93	Extracellular proton alters the divalent cation binding affinity in a cyclic nucleotide-gated channel pore. FEBS Letters, 1998, 440, 199-202.	2.8	12
94	Divalent Cation Selectivity in a Cyclic Nucleotide-Gated Ion Channel. Biochemistry, 1995, 34, 13328-13333.	2.5	52
95	Interaction of charybdotoxin with permeant ions inside the pore of a K+ channel. Neuron, 1992, 9, 307-313.	8.1	183