

Chul-Seung Park

List of Publications by Year in descending order

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95
papers

3,050
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185998

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docs citations

95
times ranked

3593
citing authors

#	ARTICLE	IF	CITATIONS
1	Cereblon contributes to cardiac dysfunction by degrading Cav1.2. <i>European Heart Journal</i> , 2022, 43, 1973-1989.	1.0	8
2	Discovery and characterization of a potent activator of the BKCa channel that relieves overactive bladder syndrome in rats. <i>European Journal of Pharmacology</i> , 2022, 927, 175055.	1.7	0
3	Novel Thioxothiazolo[3,4- <i>a</i>]quinazolin-5(4 <i>H</i>)-one Derivatives as BK _{Ca} Channel Activators for Urinary Incontinence. <i>ACS Medicinal Chemistry Letters</i> , 2022, 13, 1052-1061.	1.3	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. <i>Molecular Pharmacology</i> , 2021, 99, 114-124.	1.0	2
5	Ablation of CRBN induces loss of type I collagen and SCH in mouse skin by fibroblast senescence via the p38 MAPK pathway. <i>Aging</i> , 2021, 13, 6406-6419.	1.4	7
6	Cereblon Regulates the Proteotoxicity of Tau by Tuning the Chaperone Activity of DNAJA1. <i>Journal of Neuroscience</i> , 2021, 41, 5138-5156.	1.7	5
7	Regulation of AMPK Activity by CRBN Is Independent of the Thalidomide-CRL4CRBN Protein Degradation Axis. <i>Pharmaceuticals</i> , 2021, 14, 512.	1.7	2
8	Synthesis and BK channel-opening activity of 2-amino-1,3-thiazole derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 43, 128083.	1.0	3
9	Cereblon: promise and challenges for combating human diseases. <i>Pflügers Archiv European Journal of Physiology</i> , 2021, 473, 1695-1711.	1.3	6
10	Neurite growth of trigeminal ganglion neurons in vitro with near-infrared light irradiation. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 210, 111959.	1.7	10
11	Crbn modulates calcium influx by regulating Orai1 during efferocytosis. <i>Nature Communications</i> , 2020, 11, 5489.	5.8	18
12	Induction of SIRT1 by melatonin improves alcohol-mediated oxidative liver injury by disrupting the CRBN-CYP1A-CYP2E1 signaling pathway. <i>Journal of Pineal Research</i> , 2020, 68, e12638.	3.4	29
13	Ubiquitin-dependent proteasomal degradation of AMPK gamma subunit by Cereblon inhibits AMPK activity. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2020, 1867, 118729.	1.9	16
14	Susceptibility of pentylene-tetrazole-induced seizures in mice with Cereblon gene knockout. <i>BMB Reports</i> , 2020, 53, 484-489.	1.1	3
15	Impairment of proprioceptive movement and mechanical nociception in <i>Drosophila melanogaster</i> larvae lacking Ppk30, a <i>Drosophila</i> member of the Degenerin/Epithelial Sodium Channel family. <i>Genes, Brain and Behavior</i> , 2019, 18, e12545.	1.1	10
16	Introduction to the Korean Biophysical Society (KBPS). <i>Biophysical Reviews</i> , 2019, 11, 267-268.	1.5	2
17	Molecular mechanism of cereblon-dependent down regulation of AMP-activated protein kinase. <i>FASEB Journal</i> , 2019, 33, 487.24.	0.2	0
18	Cereblon Maintains Synaptic and Cognitive Function by Regulating BK Channel. <i>Journal of Neuroscience</i> , 2018, 38, 3571-3583.	1.7	37

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19	BK channel blocker paxilline attenuates thalidomide-caused synaptic and cognitive dysfunctions in mice. <i>Scientific Reports</i> , 2018, 8, 17653.	1.6	8
20	T cell microvilli constitute immunological synaptosomes that carry messages to antigen-presenting cells. <i>Nature Communications</i> , 2018, 9, 3630.	5.8	81
21	Direct Activation of the Large-Conductance Calcium-Activated Potassium Channel by Flavonoids Isolated from <i>Sophora flavescens</i> . <i>Biological and Pharmaceutical Bulletin</i> , 2018, 41, 1295-1298.	0.6	6
22	Discovery of Potent Antiallodynic Agents for Neuropathic Pain Targeting P2X3 Receptors. <i>ACS Chemical Neuroscience</i> , 2017, 8, 1465-1478.	1.7	24
23	SPIN90 Modulates Long-Term Depression and Behavioral Flexibility in the Hippocampus. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 295.	1.4	8
24	Differential effects of N-linked glycosylation of Vstm5 at multiple sites on surface expression and filopodia formation. <i>PLoS ONE</i> , 2017, 12, e0181257.	1.1	1
25	Cereblon in health and disease. <i>Pflugers Archiv European Journal of Physiology</i> , 2016, 468, 1299-1309.	1.3	43
26	Cereblon negatively regulates TLR4 signaling through the attenuation of ubiquitination of TRAF6. <i>Cell Death and Disease</i> , 2016, 7, e2313-e2313.	2.7	49
27	Putative Cell Adhesion Membrane Protein Vstm5 Regulates Neuronal Morphology and Migration in the Central Nervous System. <i>Journal of Neuroscience</i> , 2016, 36, 10181-10197.	1.7	13
28	Epigenetic regulation of <i>Kcna3</i> -encoding Kv1.3 potassium channel by cereblon contributes to regulation of CD4 ⁺ T-cell activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 8771-8776.	3.3	35
29	Urinary Bladder-Relaxant Effect of Kurarinone Depending on Potentiation of Large-Conductance Ca ²⁺ -Activated K ⁺ Channels. <i>Molecular Pharmacology</i> , 2016, 90, 140-150.	1.0	12
30	Glutamine Triggers Acetylation-Dependent Degradation of Glutamine Synthetase via the Thalidomide Receptor Cereblon. <i>Molecular Cell</i> , 2016, 61, 809-820.	4.5	132
31	Depletion of the cereblon gene activates the unfolded protein response and protects cells from ER stress-induced cell death. <i>Biochemical and Biophysical Research Communications</i> , 2015, 458, 34-39.	1.0	12
32	The Anoctamin Family Channel Subdued Mediates Thermal Nociception in <i>Drosophila</i> . <i>Journal of Biological Chemistry</i> , 2015, 290, 2521-2528.	1.6	21
33	Regulation of basal autophagy by transient receptor potential melastatin 7 (TRPM7) channel. <i>Biochemical and Biophysical Research Communications</i> , 2015, 463, 7-12.	1.0	19
34	Inhibition of cereblon by fenofibrate ameliorates alcoholic liver disease by enhancing AMPK. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 2662-2670.	1.8	18
35	Effect of the Novel BKCa Channel Opener LDD175 on the Modulation of Corporal Smooth Muscle Tone. <i>Journal of Sexual Medicine</i> , 2015, 12, 29-38.	0.3	9
36	Functional Effects of a Pathogenic Mutation in Cereblon (CRBN) on the Regulation of Protein Synthesis via the AMPK-mTOR Cascade. <i>Journal of Biological Chemistry</i> , 2014, 289, 23343-23352.	1.6	23

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37	Effects of palmitoylation on the diffusional movement of BK _{Ca} channels in live cells. FEBS Letters, 2014, 588, 713-719.	1.3	6
38	Ablation of cereblon attenuates myocardial ischemia-reperfusion injury. Biochemical and Biophysical Research Communications, 2014, 447, 649-654.	1.0	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.	2.6	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.	1.9	6
41	Disruption of the Cereblon Gene Enhances Hepatic AMPK Activity and Prevents High-Fat Diet-Induced Obesity and Insulin Resistance in Mice. Diabetes, 2013, 62, 1855-1864.	0.3	64
42	Localization of a Site of Action for Benzofuroindole-Induced Potentiation of BK _{Ca} Channels. Molecular Pharmacology, 2012, 82, 143-155.	1.0	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.	1.0	21
44	Desipramine Inhibits Histamine H1 Receptor-Induced Ca ²⁺ Signaling in Rat Hypothalamic Cells. PLoS ONE, 2012, 7, e36185.	1.1	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.	1.3	7
47	Functional effects of cytoskeletal components on the lateral movement of individual BKCa channels expressed in live COS-7 cell membrane. FEBS Letters, 2011, 585, 2323-2330.	1.3	6
48	Functional modulation of AMP-activated protein kinase by cereblon. Biochimica Et Biophysica Acta - Molecular Cell Research, 2011, 1813, 448-455.	1.9	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.	1.1	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.	0.2	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.	1.0	13
53	Bladder-Relaxant Properties of the Novel Benzofuroindole Analogue LDD175. Pharmacology, 2009, 83, 367-378.	0.9	17
54	Inhibition of intestinal motility by the putative BKCa channel opener LDD175. Archives of Pharmacal Research, 2009, 32, 413-420.	2.7	14

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55	Regulation of dendritic spine morphology by SPIN90, a novel Shank binding partner. <i>Journal of Neurochemistry</i> , 2009, 109, 1106-1117.	2.1	20
56	Modulation of the Conductance-Voltage Relationship of the BKCa Channel by Shortening the Cytosolic Loop Connecting Two RCK Domains. <i>Biophysical Journal</i> , 2009, 97, 730-737.	0.2	7
57	Crystal structure of the leucine zipper domain of small-conductance Ca ²⁺ -activated K ⁺ (SK _{Ca}) channel from <i>Rattus norvegicus</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , 2008, 70, 568-571.	1.5	13
58	Modulation of the Conductance-Voltage Relationship of the BKCa Channel by Mutations at the Putative Flexible Interface between Two RCK Domains. <i>Biophysical Journal</i> , 2008, 94, 446-456.	0.2	20
59	Crystal Structure of the GluR0 Ligand-Binding Core from <i>Nostoc punctiforme</i> in Complex with L-Glutamate: Structural Dissection of the Ligand Interaction and Subunit Interface. <i>Journal of Molecular Biology</i> , 2008, 376, 308-316.	2.0	21
60	Potential of large-conductance calcium-activated potassium (BKCa) channels by a specific isoform of protein kinase C. <i>Biochemical and Biophysical Research Communications</i> , 2008, 365, 459-465.	1.0	15
61	Identification of ginsenoside interaction sites in 5-HT _{3A} receptors. <i>Neuropharmacology</i> , 2007, 52, 1139-1150.	2.0	34
62	Myelin basic protein as a binding partner and calmodulin adaptor for the BK _{Ca} channel. <i>Proteomics</i> , 2007, 7, 2591-2602.	1.3	17
63	Structure-Activity Relationship Studies of Spinorphin as a Potent and Selective Human P2X ₃ Receptor Antagonist. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 4543-4547.	2.9	31
64	Electrophysiological Characterization of Benzofuroindole-Induced Potentiation of Large-Conductance Ca ²⁺ -Activated K ⁺ Channels. <i>Molecular Pharmacology</i> , 2006, 69, 1007-1014.	1.0	19
65	Hydrophobic Interface between Two Regulators of K ⁺ Conductance Domains Critical for Calcium-dependent Activation of Large Conductance Ca ²⁺ -activated K ⁺ Channels. <i>Journal of Biological Chemistry</i> , 2006, 281, 38573-38581.	1.6	35
66	Establishment of an assay for P2X ₇ receptor-mediated cell death. <i>Molecules and Cells</i> , 2006, 22, 198-202.	1.0	5
67	A highly efficient synthesis of unnatural l-sugars from d-ribose. <i>Tetrahedron Letters</i> , 2005, 46, 5903-5905.	0.7	55
68	Identification and functional characterization of cereblon as a binding protein for large-conductance calcium-activated potassium channel in rat brain. <i>Journal of Neurochemistry</i> , 2005, 94, 1212-1224.	2.1	120
69	Benzofuroindole Analogues as Potent BKCa Channel Openers. <i>ChemBioChem</i> , 2005, 6, 1745-1748.	1.3	35
70	Identification and Functional Characterization of Ankyrin-Repeat Family Protein ANKRA as a Protein Interacting with BKCa Channel. <i>Molecular Biology of the Cell</i> , 2005, 16, 1013-1025.	0.9	16
71	Sodium Permeability of a Cloned Small-Conductance Calcium-Activated Potassium Channel. <i>Biophysical Journal</i> , 2005, 89, 3111-3119.	0.2	15
72	Melastatin-Type Transient Receptor Potential Channel 7 Is Required for Intestinal Pacemaking Activity. <i>Gastroenterology</i> , 2005, 129, 1504-1517.	0.6	129

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73	Artificial Ion Channel Formed by Cucurbit[<i>n</i>]uril Derivatives with a Carbonyl Group Fringed Portal Reminiscent of the Selectivity Filter of K ⁺ Channels. <i>Journal of the American Chemical Society</i> , 2004, 126, 15944-15945.	6.6	169
74	A new putative cyclic nucleotide-gated channel gene, <i>cng-3</i> , is critical for thermotolerance in <i>Caenorhabditis elegans</i> . <i>Biochemical and Biophysical Research Communications</i> , 2004, 325, 525-531.	1.0	53
75	Functional Effects of Auxiliary β 2-Subunit on Rat Large-Conductance Ca ²⁺ -Activated K ⁺ Channel. <i>Biophysical Journal</i> , 2004, 86, 2871-2882.	0.2	66
76	Ginsenosides regulate ligand-gated ion channels from the outside. <i>Molecules and Cells</i> , 2004, 18, 115-21.	1.0	16
77	A TRPV family ion channel required for hearing in <i>Drosophila</i> . <i>Nature</i> , 2003, 424, 81-84.	13.7	371
78	Impairment of a parabolic bursting rhythm by the ectopic expression of a small conductance Ca ²⁺ -activated K ⁺ channel in <i>Aplysia</i> neuron R15. <i>Neuroscience Letters</i> , 2003, 349, 53-57.	1.0	3
79	Binding symmetry of extracellular divalent cations to conduction pore studied using tandem dimers of a CNG channel. <i>Biochemical and Biophysical Research Communications</i> , 2002, 298, 478-485.	1.0	1
80	Localization of Divalent Cation-Binding Site in the Pore of a Small Conductance Ca ²⁺ -Activated K ⁺ Channel and Its Role in Determining Current-Voltage Relationship. <i>Biophysical Journal</i> , 2002, 83, 2528-2538.	0.2	39
81	Identification of the cofilin-binding sites in the large cytoplasmic domain of Na,K-ATPase. <i>Biochimie</i> , 2002, 84, 1021-1029.	1.3	8
82	Glutathione potentiates cloned rat brain large conductance Ca ²⁺ -activated K ⁺ channels (rSlo). <i>Neuroscience Letters</i> , 2002, 318, 9-12.	1.0	4
83	Inwardly Rectifying Current-Voltage Relationship of Small-Conductance Ca ²⁺ -Activated K ⁺ Channels Rendered by Intracellular Divalent Cation Blockade. <i>Biophysical Journal</i> , 2001, 80, 2207-2215.	0.2	46
84	Electrophysiological Characteristics of Rat Gustatory Cyclic Nucleotide-Gated Channel Expressed in <i>Xenopus</i> Oocytes. <i>Journal of Neurophysiology</i> , 2001, 85, 2335-2349.	0.9	12
85	Characterization of a novel gene expressed in neuromuscular tissues and centrosomes in <i>Caenorhabditis elegans</i> . <i>Cell Biochemistry and Function</i> , 2001, 19, 79-88.	1.4	0
86	A novel activation of Ca ²⁺ -activated Cl ⁻ channel in <i>Xenopus</i> oocytes by Ginseng saponins: evidence for the involvement of phospholipase C and intracellular Ca ²⁺ mobilization. <i>British Journal of Pharmacology</i> , 2001, 132, 641-648.	2.7	46
87	Calreticulin, a Calcium-binding Molecular Chaperone, Is Required for Stress Response and Fertility in <i>Caenorhabditis elegans</i> . <i>Molecular Biology of the Cell</i> , 2001, 12, 2835-2845.	0.9	122
88	Functional characteristics of two BKCa channel variants differentially expressed in rat brain tissues. <i>FEBS Journal</i> , 2000, 267, 910-918.	0.2	70
89	Calreticulin Couples Calcium Release and Calcium Influx in Integrin-mediated Calcium Signaling. <i>Molecular Biology of the Cell</i> , 2000, 11, 1433-1443.	0.9	111
90	Two isoforms of sarco/endoplasmic reticulum calcium ATPase (SERCA) are essential in <i>Caenorhabditis elegans</i> . <i>Gene</i> , 2000, 261, 211-219.	1.0	41

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91	Effects of mutation at a conserved N-glycosylation site in the bovine retinal cyclic nucleotide-gated ion channel. <i>FEBS Letters</i> , 2000, 478, 246-252.	1.3	23
92	Identification and characterization of a putative <i>C. elegans</i> potassium channel gene (<i>Ce-slo-2</i>) distantly related to Ca ²⁺ -activated K ⁺ channels. <i>Gene</i> , 1999, 240, 35-43.	1.0	14
93	Extracellular proton alters the divalent cation binding affinity in a cyclic nucleotide-gated channel pore. <i>FEBS Letters</i> , 1998, 440, 199-202.	1.3	12
94	Divalent Cation Selectivity in a Cyclic Nucleotide-Gated Ion Channel. <i>Biochemistry</i> , 1995, 34, 13328-13333.	1.2	52
95	Interaction of charybdotoxin with permeant ions inside the pore of a K ⁺ channel. <i>Neuron</i> , 1992, 9, 307-313.	3.8	183