

Ju-Hong Jeon

List of Publications by Year in descending order

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104
papers

3,091
citations

136950

32
h-index

206112

48
g-index

108
all docs

108
docs citations

108
times ranked

4409
citing authors

#	ARTICLE	IF	CITATIONS
1	Suppression of transient receptor potential melastatin 7 channel induces cell death in gastric cancer. <i>Cancer Science</i> , 2008, 99, 2502-2509.	3.9	120
2	The antitumor effects of geraniol: Modulation of cancer hallmark pathways (Review). <i>International Journal of Oncology</i> , 2016, 48, 1772-1782.	3.3	107
3	The protective effects of Schisandra chinensis fruit extract and its lignans against cardiovascular disease: A review of the molecular mechanisms. <i>FÅ-toterapÅ-Å¢</i> , 2014, 97, 224-233.	2.2	101
4	Cell Type-specific Activation of Intracellular Transglutaminase 2 by Oxidative Stress or Ultraviolet Irradiation. <i>Journal of Biological Chemistry</i> , 2004, 279, 15032-15039.	3.4	97
5	Selective GÎ±i Subunits as Novel Direct Activators of Transient Receptor Potential Canonical (TRPC)4 and TRPC5 Channels. <i>Journal of Biological Chemistry</i> , 2012, 287, 17029-17039.	3.4	85
6	Increased TRPC5 glutathionylation contributes to striatal neuron loss in Huntingtonâ€™s disease. <i>Brain</i> , 2015, 138, 3030-3047.	7.6	83
7	Ethyl pyruvate has an anti-inflammatory effect by inhibiting ROS-dependent STAT signaling in activated microglia. <i>Free Radical Biology and Medicine</i> , 2008, 45, 950-963.	2.9	81
8	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
9	Cancer Vaccination Drives Nanog-Dependent Evolution of Tumor Cells toward an Immune-Resistant and Stem-like Phenotype. <i>Cancer Research</i> , 2012, 72, 1717-1727.	0.9	72
10	Glucose Deprivation Regulates KATPChannel Trafficking via AMP-Activated Protein Kinase in Pancreatic Î²-Cells. <i>Diabetes</i> , 2009, 58, 2813-2819.	0.6	71
11	Leptin promotes K _{ATP} channel trafficking by AMPK signaling in pancreatic Î²-cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 12673-12678.	7.1	69
12	TGFÎ² mediates activation of transglutaminase 2 in response to oxidative stress that leads to protein aggregation. <i>FASEB Journal</i> , 2008, 22, 2498-2507.	0.5	64
13	Transient Receptor Potential Melastatin 7 Channels are Involved in Ginsenoside Rg3-Induced Apoptosis in Gastric Cancer Cells. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2011, 109, 233-239.	2.5	59
14	Transglutaminase 2 inhibits Rb binding of human papillomavirus E7 by incorporating polyamine. <i>EMBO Journal</i> , 2003, 22, 5273-5282.	7.8	54
15	DNA Hydrogel Fiber with Self-Entanglement Prepared by Using an Ionic Liquid. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2470-2474.	13.8	53
16	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
17	Orientia tsutsugamushi Subverts Dendritic Cell Functions by Escaping from Autophagy and Impairing Their Migration. <i>PLoS Neglected Tropical Diseases</i> , 2013, 7, e1981.	3.0	49
18	Fullerene Attachment Enhances Performance of a DNA Nanomachine. <i>Advanced Materials</i> , 2009, 21, 1907-1910.	21.0	48

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19	Transglutaminase 2 inhibits apoptosis induced by calcium overload through down-regulation of Bax. <i>Experimental and Molecular Medicine</i> , 2010, 42, 639.	7.7	44
20	The role of transient receptor potential channel blockers in human gastric cancer cell viability. <i>Canadian Journal of Physiology and Pharmacology</i> , 2012, 90, 175-186.	1.4	43
21	Schisandrin B suppresses TGF β 1 signaling by inhibiting Smad2/3 and MAPK pathways. <i>Biochemical Pharmacology</i> , 2012, 83, 378-384.	4.4	43
22	Crystal Structure of Transglutaminase 2 with GTP Complex and Amino Acid Sequence Evidence of Evolution of GTP Binding Site. <i>PLoS ONE</i> , 2014, 9, e107005.	2.5	42
23	Geraniol suppresses prostate cancer growth through down-regulation of E2F8. <i>Cancer Medicine</i> , 2016, 5, 2899-2908.	2.8	42
24	Involvement of Na ⁺ -leak Channel in Substance P-induced Depolarization of Pacemaking Activity in Interstitial Cells of Cajal. <i>Cellular Physiology and Biochemistry</i> , 2012, 29, 501-510.	1.6	40
25	A comprehensive manually curated protein-protein interaction database for the Death Domain superfamily. <i>Nucleic Acids Research</i> , 2012, 40, D331-D336.	14.5	38
26	Tough Supersoft Sponge Fibers with Tunable Stiffness from a DNA Self-Assembly Technique. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 5116-5120.	13.8	37
27	Activity of phosphodiesterase type 5 inhibitors in patients with lower urinary tract symptoms due to benign prostatic hyperplasia. <i>BJU International</i> , 2011, 107, 1943-1947.	2.5	36
28	Bisphenol A exerts estrogenic effects by modulating CDK1/2 and p38 MAP kinase activity. <i>Bioscience, Biotechnology and Biochemistry</i> , 2014, 78, 1371-1375.	1.3	36
29	Vitamin D receptor genotypes are not associated with clinical response to calcipotriol in Korean psoriasis patients. <i>Archives of Dermatological Research</i> , 2002, 294, 1-5.	1.9	35
30	Activation of TRPC4 β 2 by G β 1 subunit increases Ca ²⁺ selectivity and controls neurite morphogenesis in cultured hippocampal neuron. <i>Cell Calcium</i> , 2013, 54, 307-319.	2.4	35
31	The conflicting role of E2F1 in prostate cancer: A matter of cell context or interpretational flexibility?. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2020, 1873, 188336.	7.4	35
32	The specific activation of TRPC4 by Gi protein subtype. <i>Biochemical and Biophysical Research Communications</i> , 2008, 377, 538-543.	2.1	33
33	Involvement of Phosphatidylinositol 4,5-Bisphosphate in the Desensitization of Canonical Transient Receptor Potential 5. <i>Biological and Pharmaceutical Bulletin</i> , 2008, 31, 1733-1738.	1.4	33
34	Different inhibition characteristics of intracellular transglutaminase activity by cystamine and cysteamine. <i>Experimental and Molecular Medicine</i> , 2004, 36, 576-581.	7.7	32
35	Isoform- and receptor-specific channel property of canonical transient receptor potential (TRPC)1/4 channels. <i>Pflügers Archiv European Journal of Physiology</i> , 2014, 466, 491-504.	2.8	32
36	Geraniol induces cooperative interaction of apoptosis and autophagy to elicit cell death in PC-3 prostate cancer cells. <i>International Journal of Oncology</i> , 2012, 40, 1683-90.	3.3	31

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37	The roles of G proteins in the activation of TRPC4 and TRPC5 transient receptor potential channels. <i>Channels</i> , 2012, 6, 333-343.	2.8	31
38	Identification of TRPM7 channels in human intestinal interstitial cells of Cajal. <i>World Journal of Gastroenterology</i> , 2009, 15, 5799.	3.3	30
39	Functional Manipulation of Dendritic Cells by Photoswitchable Generation of Intracellular Reactive Oxygen Species. <i>ACS Chemical Biology</i> , 2015, 10, 757-765.	3.4	29
40	A polymeric conjugate foreignizing tumor cells for targeted immunotherapy in vivo. <i>Journal of Controlled Release</i> , 2015, 199, 98-105.	9.9	29
41	Regulation of calcium influx and signaling pathway in cancer cells via TRPV6 \leftrightarrow Numb1 interaction. <i>Cell Calcium</i> , 2013, 53, 102-111.	2.4	28
42	Differential incorporation of biotinylated polyamines by transglutaminase 2. <i>FEBS Letters</i> , 2003, 534, 180-184.	2.8	27
43	PI3K pathway in prostate cancer: All resistant roads lead to PI3K. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2018, 1870, 198-206.	7.4	27
44	TRIP Database: a manually curated database of protein \leftrightarrow protein interactions for mammalian TRP channels. <i>Nucleic Acids Research</i> , 2011, 39, D356-D361.	14.5	26
45	Cyclosporin A suppresses prostate cancer cell growth through CaMKK β /AMPK-mediated inhibition of mTORC1 signaling. <i>Biochemical Pharmacology</i> , 2012, 84, 425-431.	4.4	26
46	Schisandrin B suppresses TGF β 1-induced stress fiber formation by inhibiting myosin light chain phosphorylation. <i>Journal of Ethnopharmacology</i> , 2014, 152, 364-371.	4.1	25
47	Differential alternative splicing of human transglutaminase 4 in benign prostate hyperplasia and prostate cancer. <i>Experimental and Molecular Medicine</i> , 2010, 42, 310.	7.7	24
48	An essential role of PI(4,5)P2 for maintaining the activity of the transient receptor potential canonical (TRPC)4 β 2. <i>Pflügers Archiv European Journal of Physiology</i> , 2013, 465, 1011-1021.	2.8	24
49	Dual action of the G β q-PLC β 2-PI(4,5)P2 pathway on TRPC1/4 and TRPC1/5 heterotetramers. <i>Scientific Reports</i> , 2018, 8, 12117.	3.3	24
50	TRIP Database 2.0: A Manually Curated Information Hub for Accessing TRP Channel Interaction Network. <i>PLoS ONE</i> , 2012, 7, e47165.	2.5	23
51	Menthol induces cell-cycle arrest in PC-3 cells by down-regulating G2/M genes, including polo-like kinase 1. <i>Biochemical and Biophysical Research Communications</i> , 2012, 422, 436-441.	2.1	22
52	The interaction domains of transient receptor potential canonical (TRPC)1/4 and TRPC1/5 heteromultimeric channels. <i>Biochemical and Biophysical Research Communications</i> , 2016, 474, 476-481.	2.1	22
53	Menthol Enhances an Antiproliferative Activity of 1 α ,25-Dihydroxyvitamin D3 in LNCaP Cells. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2009, 44, 125-130.	1.4	21
54	Degradation of transglutaminase 2 by calcium \rightarrow mediated ubiquitination responding to high oxidative stress. <i>FEBS Letters</i> , 2009, 583, 648-654.	2.8	21

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55	Doxorubicin Induces the Persistent Activation of Intracellular Transglutaminase 2 That Protects from Cell Death. <i>Molecules and Cells</i> , 2012, 33, 235-242.	2.6	21
56	Effects of <i>Schisandra chinensis</i> extract on the contractility of corpus cavernosal smooth muscle (CSM) and Ca ²⁺ homeostasis in CSM cells. <i>BJU International</i> , 2012, 109, 1404-1413.	2.5	21
57	AMPK regulates KATP channel trafficking via PTEN inhibition in leptin-treated pancreatic β -cells. <i>Biochemical and Biophysical Research Communications</i> , 2013, 440, 539-544.	2.1	21
58	Apoptosis inhibitor 5 increases metastasis via Erk-mediated MMP expression. <i>BMB Reports</i> , 2015, 48, 330-335.	2.4	21
59	Extracellular disulfide bridges stabilize TRPC5 dimerization, trafficking, and activity. <i>Pflugers Archiv European Journal of Physiology</i> , 2015, 467, 703-712.	2.8	20
60	Five subtypes of muscarinic receptors are expressed in gastric smooth muscles of guinea pig. <i>Experimental and Molecular Medicine</i> , 2003, 35, 46-52.	7.7	19
61	In vitro reconstitution of the interactions in the PIDDosome. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2010, 15, 1444-1452.	4.9	19
62	Icilin inhibits E2F1-mediated cell cycle regulatory programs in prostate cancer. <i>Biochemical and Biophysical Research Communications</i> , 2013, 441, 1005-1010.	2.1	18
63	Schisandrol B and schisandrin B inhibit TGF β 1-mediated NF- κ B activation via a Smad-independent mechanism. <i>Oncotarget</i> , 2018, 9, 3121-3130.	1.8	18
64	Molecular determinant of sensing extracellular pH in classical transient receptor potential channel 5. <i>Biochemical and Biophysical Research Communications</i> , 2008, 365, 239-245.	2.1	17
65	Effects of <i>Schisandra chinensis</i> extract on gastrointestinal motility in mice. <i>Journal of Ethnopharmacology</i> , 2015, 169, 163-169.	4.1	17
66	Targeting stemness is an effective strategy to control <i>EML4-ALK</i> + non-small cell lung cancer cells. <i>Oncotarget</i> , 2015, 6, 40255-40267.	1.8	17
67	GTP is required to stabilize and display transamidation activity of transglutaminase 2. <i>Biochemical and Biophysical Research Communications</i> , 2002, 294, 818-822.	2.1	16
68	A network perspective on unraveling the role of TRP channels in biology and disease. <i>Pflugers Archiv European Journal of Physiology</i> , 2014, 466, 173-182.	2.8	16
69	Altered expression of fucosylation pathway genes is associated with poor prognosis and tumor metastasis in non-small cell lung cancer. <i>International Journal of Oncology</i> , 2020, 56, 559-567.	3.3	16
70	Role of calmodulin and myosin light chain kinase in the activation of carbachol-activated cationic current in murine ileal myocytes. <i>Canadian Journal of Physiology and Pharmacology</i> , 2007, 85, 1254-1262.	1.4	15
71	Gs cascade regulates canonical transient receptor potential 5 (TRPC5) through cAMP mediated intracellular Ca ²⁺ release and ion channel trafficking. <i>Biochemical and Biophysical Research Communications</i> , 2012, 421, 105-111.	2.1	15
72	G β -mediated TRPC4 activation by polycystin-1 contributes to endothelial function via STAT1 activation. <i>Scientific Reports</i> , 2018, 8, 3480.	3.3	15

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73	Optimized Immunohistochemical Analysis of Cerebellar Purkinje Cells Using a Specific Biomarker, Calbindin D28k. Korean Journal of Physiology and Pharmacology, 2009, 13, 373.	1.2	14
74	Effects of Imatinib Mesylate in Interstitial Cells of Cajal from Murine Small Intestine. Biological and Pharmaceutical Bulletin, 2010, 33, 993-997.	1.4	14
75	Ca ²⁺ Signaling Induced by Sphingosine 1-Phosphate and Lysophosphatidic Acid in Mouse B Cells. Molecules and Cells, 2010, 29, 85-91.	2.6	14
76	Gene Transfer of TRPC6DN (Dominant Negative) Restores Erectile Function in Diabetic Rats. Journal of Sexual Medicine, 2010, 7, 1126-1138.	0.6	14
77	Icilin induces G1 arrest through activating JNK and p38 kinase in a TRPM8-independent manner. Biochemical and Biophysical Research Communications, 2011, 406, 30-35.	2.1	14
78	Identification and analysis of dominant negative mutants of RAIDD and PIDD. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2010, 1804, 1557-1563.	2.3	13
79	Identification of a Membrane-targeting Domain of the Transient Receptor Potential Canonical (TRPC)4 Channel Unrelated to Its Formation of a Tetrameric Structure. Journal of Biological Chemistry, 2014, 289, 34990-35002.	3.4	13
80	A Study of Core Humanistic Competency for Developing Humanism Education for Medical Students. Journal of Korean Medical Science, 2016, 31, 829.	2.5	13
81	Effects of Ginkgo biloba extracts with mirodenafil on the relaxation of corpus cavernosal smooth muscle and the potassium channel activity of corporal smooth muscle cells. Asian Journal of Andrology, 2011, 13, 742-746.	1.6	13
82	Immunocytochemical detection of HPV16 E7 in cervical smear. Experimental and Molecular Medicine, 2007, 39, 621-628.	7.7	12
83	Reciprocal positive regulation between TRPV6 and NUMB in PTEN-deficient prostate cancer cells. Biochemical and Biophysical Research Communications, 2014, 447, 192-196.	2.1	12
84	Close spatio-association of the transient receptor potential canonical 4 (TRPC4) channel with G _i in TRPC4 activation process. American Journal of Physiology - Cell Physiology, 2015, 308, C879-C889.	4.6	12
85	Improved immunodetection of human papillomavirus E7. Experimental and Molecular Medicine, 2002, 34, 496-499.	7.7	11
86	Clinical significance of anti-filaggrin antibody recognizing uncitrullinated filaggrin in rheumatoid arthritis. Experimental and Molecular Medicine, 2005, 37, 546-552.	7.7	10
87	Functional Characteristics of TRPC4 Channels Expressed in HEK 293 Cells. Molecules and Cells, 2009, 27, 167-173.	2.6	10
88	A New Perfusion Model for Studying Erectile Function. Journal of Sexual Medicine, 2010, 7, 1419-1428.	0.6	10
89	SK&F 96365 induces apoptosis and autophagy by inhibiting Akt-mTOR signaling in A7r5 cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2011, 1813, 2157-2164.	4.1	10
90	TGF β 1 induces stress fiber formation through upregulation of TRPC6 in vascular smooth muscle cells. Biochemical and Biophysical Research Communications, 2017, 483, 129-134.	2.1	10

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91	Intracellular spermine blocks TRPC4 channel via electrostatic interaction with C-terminal negative amino acids. <i>Pflugers Archiv European Journal of Physiology</i> , 2016, 468, 551-561.	2.8	8
92	Cell-based assay for monitoring transglutaminase activity. <i>Analytical Biochemistry</i> , 2004, 333, 399-401.	2.4	7
93	Cystamine induces AIF-mediated apoptosis through glutathione depletion. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 619-631.	4.1	7
94	Altered Biochemical Properties of Transient Receptor Potential Vanilloid 6 Calcium Channel by Peptide Tags. <i>Biological and Pharmaceutical Bulletin</i> , 2009, 32, 1790-1794.	1.4	6
95	Dexamethasone activates transient receptor potential canonical 4 (TRPC4) channels via Rasd1 small GTPase pathway. <i>Pflugers Archiv European Journal of Physiology</i> , 2015, 467, 2081-2091.	2.8	6
96	Transglutaminase 2 mediates transcriptional regulation through BAF250a polyamination. <i>Genes and Genomics</i> , 2021, 43, 333-342.	1.4	6
97	Colorimetric transglutaminase assays combined with immunological signal amplification. <i>Analytical Biochemistry</i> , 2006, 348, 327-329.	2.4	5
98	Monoclonal Antibodies to Human Transglutaminase 4. <i>Hybridoma</i> , 2010, 29, 263-267.	0.4	5
99	Inhibition of genotoxic stress induced apoptosis by novel TAT-fused peptides targeting PIDDosome. <i>Biochemical Pharmacology</i> , 2012, 83, 218-227.	4.4	5
100	The Roles of Rasd1 small G proteins and leptin in the activation of TRPC4 transient receptor potential channels. <i>Channels</i> , 2015, 9, 186-195.	2.8	5
101	Transcriptome Analysis of the Anti-TGF β 2 Effect of Schisandra chinensis Fruit Extract and Schisandrin B in A7r5 Vascular Smooth Muscle Cells. <i>Life</i> , 2021, 11, 163.	2.4	5
102	Englerin A-sensing charged residues for transient receptor potential canonical 5 channel activation. <i>Korean Journal of Physiology and Pharmacology</i> , 2019, 23, 191.	1.2	4
103	Analysis of interaction between intracellular spermine and transient receptor potential canonical 4 channel: multiple candidate sites of negatively charged amino acids for the inward rectification of transient receptor potential canonical 4. <i>Korean Journal of Physiology and Pharmacology</i> , 2020, 24, 101.	1.2	4
104	DNA Hybrid Nanomachines: Fullerene Attachment Enhances Performance of a DNA Nanomachine (Adv.) <i>Tj ETQq0 0,0 rgBT /Oyerlock 10</i>	21.8	0