

# 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	Transcriptome Analysis of the Anti-TGF $\beta$ 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
2	Transglutaminase 2 mediates transcriptional regulation through BAF250a polyamination. <i>Genes and Genomics</i> , 2021, 43, 333-342.	1.4	6
3	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
4	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
5	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
6	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
7	G $\beta$ 1-mediated TRPC4 activation by polycystin-1 contributes to endothelial function via STAT1 activation. <i>Scientific Reports</i> , 2018, 8, 3480.	3.3	15
8	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
9	Dual action of the G $\beta$ q-PLC $\beta$ 2-PI(4,5)P2 pathway on TRPC1/4 and TRPC1/5 heterotetramers. <i>Scientific Reports</i> , 2018, 8, 12117.	3.3	24
10	Schisandrol B and schisandrin B inhibit TGF $\beta$ 1-mediated NF- $\kappa$ B activation via a Smad-independent mechanism. <i>Oncotarget</i> , 2018, 9, 3121-3130.	1.8	18
11	TGF $\beta$ 1 induces stress fiber formation through upregulation of TRPC6 in vascular smooth muscle cells. <i>Biochemical and Biophysical Research Communications</i> , 2017, 483, 129-134.	2.1	10
12	A Study of Core Humanistic Competency for Developing Humanism Education for Medical Students. <i>Journal of Korean Medical Science</i> , 2016, 31, 829.	2.5	13
13	The antitumor effects of geraniol: Modulation of cancer hallmark pathways (Review). <i>International Journal of Oncology</i> , 2016, 48, 1772-1782.	3.3	107
14	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
15	Geraniol suppresses prostate cancer growth through downregulation of E2F8. <i>Cancer Medicine</i> , 2016, 5, 2899-2908.	2.8	42
16	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
17	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
18	Cystamine induces AIF-mediated apoptosis through glutathione depletion. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 619-631.	4.1	7

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19	Increased TRPC5 glutathionylation contributes to striatal neuron loss in Huntington's disease. <i>Brain</i> , 2015, 138, 3030-3047.	7.6	83
20	Close spatio-association of the transient receptor potential canonical 4 (TRPC4) channel with $Ca^{2+}$ in TRPC4 activation process. <i>American Journal of Physiology - Cell Physiology</i> , 2015, 308, C879-C889.	4.6	12
21	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
22	Effects of Schisandra chinensis extract on gastrointestinal motility in mice. <i>Journal of Ethnopharmacology</i> , 2015, 169, 163-169.	4.1	17
23	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
24	A polymeric conjugate foreignizing tumor cells for targeted immunotherapy in vivo. <i>Journal of Controlled Release</i> , 2015, 199, 98-105.	9.9	29
25	Extracellular disulfide bridges stabilize TRPC5 dimerization, trafficking, and activity. <i>Pflugers Archiv European Journal of Physiology</i> , 2015, 467, 703-712.	2.8	20
26	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
27	Apoptosis inhibitor 5 increases metastasis via Erk-mediated MMP expression. <i>BMB Reports</i> , 2015, 48, 330-335.	2.4	21
28	Identification of a Membrane-targeting Domain of the Transient Receptor Potential Canonical (TRPC)4 Channel Unrelated to Its Formation of a Tetrameric Structure. <i>Journal of Biological Chemistry</i> , 2014, 289, 34990-35002.	3.4	13
29	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
30	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
31	Reciprocal positive regulation between TRPV6 and NUMB in PTEN-deficient prostate cancer cells. <i>Biochemical and Biophysical Research Communications</i> , 2014, 447, 192-196.	2.1	12
32	Isoform- and receptor-specific channel property of canonical transient receptor potential (TRPC)1/4 channels. <i>Pflugers Archiv European Journal of Physiology</i> , 2014, 466, 491-504.	2.8	32
33	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
34	The protective effects of Schisandra chinensis fruit extract and its lignans against cardiovascular disease: A review of the molecular mechanisms. <i>FAA-toterapA-AC</i> , 2014, 97, 224-233.	2.2	101
35	Schisandrin B suppresses TGF $\beta$ 1-induced stress fiber formation by inhibiting myosin light chain phosphorylation. <i>Journal of Ethnopharmacology</i> , 2014, 152, 364-371.	4.1	25
36	An essential role of PI(4,5)P2 for maintaining the activity of the transient receptor potential canonical (TRPC)4 $\beta$ 2. <i>Pflugers Archiv European Journal of Physiology</i> , 2013, 465, 1011-1021.	2.8	24

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37	AMPK regulates KATP channel trafficking via PTEN inhibition in leptin-treated pancreatic $\beta^2$ -cells. <i>Biochemical and Biophysical Research Communications</i> , 2013, 440, 539-544.	2.1	21
38	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
39	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
40	Activation of TRPC4 $\beta^2$ by $\beta^1$ subunit increases Ca <sup>2+</sup> selectivity and controls neurite morphogenesis in cultured hippocampal neuron. <i>Cell Calcium</i> , 2013, 54, 307-319.	2.4	35
41	Leptin promotes K <sup>ATP</sup> channel trafficking by AMPK signaling in pancreatic $\beta^2$ -cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 12673-12678.	7.1	69
42	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
43	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
44	Selective $\beta^1$ 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
45	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
46	A comprehensive manually curated protein $\leftrightarrow$ protein interaction database for the Death Domain superfamily. <i>Nucleic Acids Research</i> , 2012, 40, D331-D336.	14.5	38
47	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
48	Gs cascade regulates canonical transient receptor potential 5 (TRPC5) through cAMP mediated intracellular Ca <sup>2+</sup> release and ion channel trafficking. <i>Biochemical and Biophysical Research Communications</i> , 2012, 421, 105-111.	2.1	15
49	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
50	Involvement of Na <sup>+</sup> -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
51	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
52	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
53	Inhibition of genotoxic stress induced apoptosis by novel TAT-fused peptides targeting PIDDosome. <i>Biochemical Pharmacology</i> , 2012, 83, 218-227.	4.4	5
54	Schisandrin B suppresses TGF $\beta^1$ signaling by inhibiting Smad2/3 and MAPK pathways. <i>Biochemical Pharmacology</i> , 2012, 83, 378-384.	4.4	43

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55	Cyclosporin A suppresses prostate cancer cell growth through CaMKK $\beta$ /AMPK-mediated inhibition of mTORC1 signaling. <i>Biochemical Pharmacology</i> , 2012, 84, 425-431.	4.4	26
56	Effects of <i>Schisandra chinensis</i> extract on the contractility of corpus cavernosal smooth muscle (CSM) and Ca <sup>2+</sup> homeostasis in CSM cells. <i>BJU International</i> , 2012, 109, 1404-1413.	2.5	21
57	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
58	Icilin induces G1 arrest through activating JNK and p38 kinase in a TRPM8-independent manner. <i>Biochemical and Biophysical Research Communications</i> , 2011, 406, 30-35.	2.1	14
59	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
60	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
61	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
62	SK&F 96365 induces apoptosis and autophagy by inhibiting Akt-mTOR signaling in A7r5 cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2011, 1813, 2157-2164.	4.1	10
63	TRIP Database: a manually curated database of protein-protein interactions for mammalian TRP channels. <i>Nucleic Acids Research</i> , 2011, 39, D356-D361.	14.5	26
64	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. <i>Asian Journal of Andrology</i> , 2011, 13, 742-746.	1.6	13
65	Effects of Imatinib Mesylate in Interstitial Cells of Cajal from Murine Small Intestine. <i>Biological and Pharmaceutical Bulletin</i> , 2010, 33, 993-997.	1.4	14
66	Ca <sup>2+</sup> 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
67	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
68	Gene Transfer of TRPC6DN (Dominant Negative) Restores Erectile Function in Diabetic Rats. <i>Journal of Sexual Medicine</i> , 2010, 7, 1126-1138.	0.6	14
69	A New Perfusion Model for Studying Erectile Function. <i>Journal of Sexual Medicine</i> , 2010, 7, 1419-1428.	0.6	10
70	Identification and analysis of dominant negative mutants of RAIDD and PIDD. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2010, 1804, 1557-1563.	2.3	13
71	Monoclonal Antibodies to Human Transglutaminase 4. <i>Hybridoma</i> , 2010, 29, 263-267.	0.4	5
72	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

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73	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
74	Menthol Enhances an Antiproliferative Activity of $1\alpha,25$ -Dihydroxyvitamin D3 in LNCaP Cells. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2009, 44, 125-130.	1.4	21
75	Optimized Immunohistochemical Analysis of Cerebellar Purkinje Cells Using a Specific Biomarker, Calbindin D28k. <i>Korean Journal of Physiology and Pharmacology</i> , 2009, 13, 373.	1.2	14
76	Glucose Deprivation Regulates KATP Channel Trafficking via AMP-Activated Protein Kinase in Pancreatic $\beta$ -Cells. <i>Diabetes</i> , 2009, 58, 2813-2819.	0.6	71
77	Degradation of transglutaminase 2 by calcium-mediated ubiquitination responding to high oxidative stress. <i>FEBS Letters</i> , 2009, 583, 648-654.	2.8	21
78	Fullerene Attachment Enhances Performance of a DNA Nanomachine. <i>Advanced Materials</i> , 2009, 21, 1907-1910.	21.0	48
79	DNA Hybrid Nanomachines: Fullerene Attachment Enhances Performance of a DNA Nanomachine (Adv.) <i>Tj ETQq1</i> 1.0.784314 rgBT / Ove 21.0	21.0	48
80	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
81	Functional Characteristics of TRPC4 Channels Expressed in HEK 293 Cells. <i>Molecules and Cells</i> , 2009, 27, 167-173.	2.6	10
82	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
83	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
84	Identification of TRPM7 channels in human intestinal interstitial cells of Cajal. <i>World Journal of Gastroenterology</i> , 2009, 15, 5799.	3.3	30
85	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
86	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
87	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
88	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
89	The specific activation of TRPC4 by Gi protein subtype. <i>Biochemical and Biophysical Research Communications</i> , 2008, 377, 538-543.	2.1	33
90	TGF $\beta$ 2 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

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91	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
92	Immunocytochemical detection of HPV16 E7 in cervical smear. <i>Experimental and Molecular Medicine</i> , 2007, 39, 621-628.	7.7	12
93	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
94	Colorimetric transglutaminase assays combined with immunological signal amplification. <i>Analytical Biochemistry</i> , 2006, 348, 327-329.	2.4	5
95	Clinical significance of anti-filaggrin antibody recognizing uncitrullinated filaggrin in rheumatoid arthritis. <i>Experimental and Molecular Medicine</i> , 2005, 37, 546-552.	7.7	10
96	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
97	Different inhibition characteristics of intracellular transglutaminase activity by cystamine and cysteamine. <i>Experimental and Molecular Medicine</i> , 2004, 36, 576-581.	7.7	32
98	Cell-based assay for monitoring transglutaminase activity. <i>Analytical Biochemistry</i> , 2004, 333, 399-401.	2.4	7
99	Transglutaminase 2 inhibits Rb binding of human papillomavirus E7 by incorporating polyamine. <i>EMBO Journal</i> , 2003, 22, 5273-5282.	7.8	54
100	Differential incorporation of biotinylated polyamines by transglutaminase 2. <i>FEBS Letters</i> , 2003, 534, 180-184.	2.8	27
101	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
102	Improved immunodetection of human papillomavirus E7. <i>Experimental and Molecular Medicine</i> , 2002, 34, 496-499.	7.7	11
103	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
104	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