

Jeong Hee Hong

List of Publications by Year in descending order

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58
papers

1,744
citations

331538

21
h-index

289141

40
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all docs

58
docs citations

58
times ranked

2223
citing authors

#	ARTICLE	IF	CITATIONS
1	Mite and Cockroach Allergens Activate Protease-Activated Receptor 2 and Delay Epidermal Permeability Barrier Recovery. <i>Journal of Investigative Dermatology</i> , 2008, 128, 1930-1939.	0.3	165
2	Deletion of TRPC3 in Mice Reduces Store-Operated Ca ²⁺ Influx and the Severity of Acute Pancreatitis. <i>Gastroenterology</i> , 2009, 137, 1509-1517.	0.6	129
3	An endoplasmic reticulum/plasma membrane junction: STIM1/Orai1/TRPCs. <i>FEBS Letters</i> , 2010, 584, 2022-2027.	1.3	125
4	Polarized but Differential Localization and Recruitment of STIM1, Orai1 and TRPC Channels in Secretory Cells. <i>Traffic</i> , 2011, 12, 232-245.	1.3	116
5	Irbt Mediates Synergy Between Ca ²⁺ and cAMP Signaling Pathways During Epithelial Transport in Mice. <i>Gastroenterology</i> , 2013, 145, 232-241.	0.6	81
6	Molecular Determinants Mediating Gating of Transient Receptor Potential Canonical (TRPC) Channels by Stromal Interaction Molecule 1 (STIM1). <i>Journal of Biological Chemistry</i> , 2014, 289, 6372-6382.	1.6	80
7	German cockroach extract activates protease-activated receptor 2 in human airway epithelial cells†. <i>Journal of Allergy and Clinical Immunology</i> , 2004, 113, 315-319.	1.5	79
8	Convergence of IRBIT, phosphatidylinositol (4,5) bisphosphate, and WNK/SPAK kinases in regulation of the Na ⁺ -HCO ₃ ⁻ cotransporters family. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 4105-4110.	3.3	69
9	Intracellular Cl ⁻ as a signaling ion that potently regulates Na ⁺ /HCO ₃ ⁻ transporters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E329-37.	3.3	57
10	PEGylated anticancer-carbon nanotubes complex targeting mitochondria of lung cancer cells. <i>Nanotechnology</i> , 2017, 28, 465102.	1.3	53
11	Mechanism and synergism in epithelial fluid and electrolyte secretion. <i>Pflugers Archiv European Journal of Physiology</i> , 2014, 466, 1487-1499.	1.3	52
12	The Role of Ca ²⁺ -NFATc1 Signaling and Its Modulation on Osteoclastogenesis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3646.	1.8	47
13	K6PC-5, a Direct Activator of Sphingosine Kinase 1, Promotes Epidermal Differentiation Through Intracellular Ca ²⁺ Signaling. <i>Journal of Investigative Dermatology</i> , 2008, 128, 2166-2178.	0.3	39
14	Essential role of carbonic anhydrase XII in secretory gland fluid and HCO ₃ ⁻ secretion revealed by disease causing human mutation. <i>Journal of Physiology</i> , 2015, 593, 5299-5312.	1.3	37
15	The WNK/SPAK and IRBIT/PP1 Pathways in Epithelial Fluid and Electrolyte Transport. <i>Physiology</i> , 2012, 27, 291-299.	1.6	36
16	Apoptotic lysosomal proton sponge effect in tumor tissue by cationic gold nanorods. <i>Nanoscale</i> , 2019, 11, 19980-19993.	2.8	35
17	The Fundamental Role of Bicarbonate Transporters and Associated Carbonic Anhydrase Enzymes in Maintaining Ion and pH Homeostasis in Non-Secretory Organs. <i>International Journal of Molecular Sciences</i> , 2020, 21, 339.	1.8	33
18	Chitinase Activates Protease-Activated Receptor-2 in Human Airway Epithelial Cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2008, 39, 530-535.	1.4	32

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19	Alteration of RANKL-Induced Osteoclastogenesis in Primary Cultured Osteoclasts From SERCA2+/ ⁺ Mice. <i>Journal of Bone and Mineral Research</i> , 2009, 24, 1763-1769.	3.1	32
20	STIM-TRP Pathways and Microdomain Organization: Ca ²⁺ Influx Channels: The Orai-STIM1-TRPC Complexes. <i>Advances in Experimental Medicine and Biology</i> , 2017, 993, 139-157.	0.8	31
21	House dust mite extract activates apical Cl ⁻ channels through protease-activated receptor 2 in human airway epithelia. <i>Journal of Cellular Biochemistry</i> , 2010, 109, 1254-1263.	1.2	27
22	Effects of antioxidants on oxidative stress and inflammatory responses of human bronchial epithelial cells exposed to particulate matter and cigarette smoke extract. <i>Toxicology in Vitro</i> , 2020, 67, 104883.	1.1	25
23	Mutual Destruction of Deep Lung Tumor Tissues by Nanodrug-Conjugated Stealth Mesenchymal Stem Cells. <i>Advanced Science</i> , 2018, 5, 1700860.	5.6	24
24	Ubiquitin-Conjugating Enzymes in Cancer. <i>Cells</i> , 2021, 10, 1383.	1.8	22
25	Covalent, Non-Covalent, Encapsulated Nanodrug Regulate the Fate of Intra- and Extracellular Trafficking: Impact on Cancer and Normal Cells. <i>Scientific Reports</i> , 2017, 7, 6454.	1.6	21
26	K6PC-5, a sphingosine kinase activator, induces anti-aging effects in intrinsically aged skin through intracellular Ca ²⁺ signaling. <i>Journal of Dermatological Science</i> , 2008, 51, 89-102.	1.0	20
27	Induction of IL-6 and IL-8 by activation of thermosensitive TRP channels in human PDL cells. <i>Archives of Oral Biology</i> , 2015, 60, 526-532.	0.8	20
28	Drug Repurposing as an Antitumor Agent: Disulfiram-Mediated Carbonic Anhydrase 12 and Anion Exchanger 2 Modulation to Inhibit Cancer Cell Migration. <i>Molecules</i> , 2019, 24, 3409.	1.7	17
29	Dexmedetomidine Modulates Histamine-induced Ca ²⁺ Signaling and Pro-inflammatory Cytokine Expression. <i>Korean Journal of Physiology and Pharmacology</i> , 2015, 19, 413.	0.6	14
30	The Regulatory Role of Rolipram on Inflammatory Mediators and Cholinergic/Adrenergic Stimulation-Induced Signals in Isolated Primary Mouse Submandibular Gland Cells. <i>Mediators of Inflammation</i> , 2016, 2016, 1-11.	1.4	14
31	Governing effect of regulatory proteins for Cl ⁻ /HCO ₃ ⁻ exchanger 2 activity. <i>Channels</i> , 2016, 10, 214-224.	1.5	13
32	Dynamic synovial fibroblasts are modulated by NBCn1 as a potential target in rheumatoid arthritis. <i>Experimental and Molecular Medicine</i> , 2022, 54, 503-517.	3.2	13
33	Dust particles-induced intracellular Ca ²⁺ signaling and reactive oxygen species in lung fibroblast cell line MRC5. <i>Korean Journal of Physiology and Pharmacology</i> , 2017, 21, 327.	0.6	12
34	Nanoparticle-Mediated Therapeutic Application for Modulation of Lysosomal Ion Channels and Functions. <i>Pharmaceutics</i> , 2020, 12, 217.	2.0	12
35	Protective Role of IRBIT on Sodium Bicarbonate Cotransporter-n1 for Migratory Cancer Cells. <i>Pharmaceutics</i> , 2020, 12, 816.	2.0	11
36	Chloride Channels and Transporters: Roles beyond Classical Cellular Homeostatic pH or Ion Balance in Cancers. <i>Cancers</i> , 2022, 14, 856.	1.7	11

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37	The overview of channels, transporters, and calcium signaling molecules during amelogenesis. Archives of Oral Biology, 2018, 93, 47-55.	0.8	10
38	Carbonic anhydrase 12 mutation modulates membrane stability and volume regulation of aquaporin 5. Journal of Enzyme Inhibition and Medicinal Chemistry, 2019, 34, 179-188.	2.5	10
39	Intracellular Ca ²⁺ -Mediated AE2 Is Involved in the Vectorial Movement of HaCaT Keratinocyte. International Journal of Molecular Sciences, 2020, 21, 8429.	1.8	10
40	Signalling and putative therapeutic molecules on the regulation of synoviocyte signalling in rheumatoid arthritis. Bone and Joint Research, 2021, 10, 285-297.	1.3	10
41	Two Phase Modulation of NH ₄ ⁺ Entry and Cl ⁻ /HCO ₃ ⁻ Exchanger in Submandibular Glands Cells by Dexmedetomidine. Frontiers in Physiology, 2017, 8, 86.	1.3	9
42	Peptidoglycan Induces the Production of Interleukin-8 via Calcium Signaling in Human Gingival Epithelium. Korean Journal of Physiology and Pharmacology, 2015, 19, 51.	0.6	8
43	Ca ²⁺ Signaling as the Untact Mode during Signaling in Metastatic Breast Cancer. Cancers, 2021, 13, 1473.	1.7	8
44	The Effect of Therapeutic Blockades of Dust Particles-Induced Ca ²⁺ Signaling and Proinflammatory Cytokine IL-8 in Human Bronchial Epithelial Cells. Mediators of Inflammation, 2015, 2015, 1-12.	1.4	7
45	An overview of carbonic anhydrases and membrane channels of synoviocytes in inflamed joints. Journal of Enzyme Inhibition and Medicinal Chemistry, 2019, 34, 1615-1622.	2.5	7
46	Enhanced Activity by NKCC1 and Slc26a6 Mediates Acidic pH and Cl ⁻ Movement after Cardioplegia-Induced Arrest of db/db Diabetic Heart. Mediators of Inflammation, 2019, 2019, 1-12.	1.4	7
47	Cellular channelopathy mediated by hypergravity: IL-6-mediated Nkcc1 activation and enhanced Trpm2 expression in rat atrium. Cell and Tissue Research, 2021, 383, 1017-1024.	1.5	7
48	Estrogen treatment reduced oxalate transporting activity and enhanced migration through the involvement of SLC26A6 in lung cancer cells. Toxicology in Vitro, 2022, 82, 105373.	1.1	7
49	Physiological Overview of the Potential Link between the UPS and Ca ²⁺ Signaling. Antioxidants, 2022, 11, 997.	2.2	7
50	Expression of Ca ²⁺ -dependent Synaptotagmin Isoforms in Mouse and Rat Parotid Acinar Cells. Yonsei Medical Journal, 2006, 47, 70.	0.9	6
51	Physiological application of nanoparticles in calcium-related proteins and channels. Nanomedicine, 2019, 14, 2479-2486.	1.7	6
52	Modulated Start-Up Mode of Cancer Cell Migration Through Spinophilin-Tubular Networks. Frontiers in Cell and Developmental Biology, 2021, 9, 652791.	1.8	6
53	Bacterial PAMPs and Allergens Trigger Increase in [Ca ²⁺] _i -induced Cytokine Expression in Human PDL Fibroblasts. Korean Journal of Physiology and Pharmacology, 2015, 19, 291.	0.6	5
54	Synovial Fluid of Patient With Rheumatoid Arthritis Enhanced Osmotic Sensitivity Through the Cytotoxic Edema Module in Synoviocytes. Frontiers in Cell and Developmental Biology, 2021, 9, 700879.	1.8	4

#	ARTICLE	IF	CITATIONS
55	STIM-TRP Pathways. , 2012, , 57-72.		2
56	A Cardioplegic Solution with an Understanding of a Cardiochannelopathy. Antioxidants, 2021, 10, 1878.	2.2	2
57	Nanomaterials-Based Approaches for the Modulation of Sodium Bicarbonate Cotransporters. Journal of Nanomaterials, 2015, 2015, 1-7.	1.5	1
58	Cancer Treatment: Mutual Destruction of Deep Lung Tumor Tissues by Nanodrug-Conjugated Stealth Mesenchymal Stem Cells (Adv. Sci. 5/2018). Advanced Science, 2018, 5, 1870030.	5.6	1