

Dong Min Shin

List of Publications by Year in descending order

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105
papers

3,718
citations

136940

32
h-index

138468

58
g-index

106
all docs

106
docs citations

106
times ranked

4825
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-Cell RNA Sequencing Analysis of Human Dental Pulp Stem Cell and Human Periodontal Ligament Stem Cell. <i>Journal of Endodontics</i> , 2022, 48, 240-248.	3.1	16
2	Dynamic synovial fibroblasts are modulated by NBCn1 as a potential target in rheumatoid arthritis. <i>Experimental and Molecular Medicine</i> , 2022, 54, 503-517.	7.7	13
3	Estrogen treatment reduced oxalate transporting activity and enhanced migration through the involvement of SLC26A6 in lung cancer cells. <i>Toxicology in Vitro</i> , 2022, 82, 105373.	2.4	7
4	Wrapping the pancreas with a polyglycolic acid sheet before stapling reduces the risk of fluid collection on the pancreatic stump after distal pancreatectomy. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2021, , 1.	2.4	3
5	Sestrin2 Regulates Osteoclastogenesis via the p62-TRAF6 Interaction. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 646803.	3.7	9
6	Modulated Start-Up Mode of Cancer Cell Migration Through Spinophilin-Tubular Networks. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 652791.	3.7	6
7	Flunarizine inhibits osteoclastogenesis by regulating calcium signaling and promotes osteogenesis. <i>Journal of Cellular Physiology</i> , 2021, 236, 8239-8252.	4.1	7
8	Ventromedial hypothalamic primary cilia control energy and skeletal homeostasis. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	35
9	Intracellular Ca ²⁺ -Mediated AE2 Is Involved in the Vectorial Movement of HaCaT Keratinocyte. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8429.	4.1	10
10	Protective Role of IRBIT on Sodium Bicarbonate Cotransporter-n1 for Migratory Cancer Cells. <i>Pharmaceutics</i> , 2020, 12, 816.	4.5	11
11	The Role of Ca ²⁺ -NFATc1 Signaling and Its Modulation on Osteoclastogenesis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3646.	4.1	47
12	Homer2 regulates amylase secretion via physiological calcium oscillations in mouse parotid gland acinar cells. <i>International Journal of Oral Biology: Official Journal of the Korean Academy of Oral Biology and the UCLA Dental Research Institute</i> , 2020, 45, 58-63.	0.1	0
13	Deficiencies of <i>Homer2</i> and <i>Homer3</i> accelerate aging-dependent bone loss in mice. <i>International Journal of Oral Biology: Official Journal of the Korean Academy of Oral Biology and the UCLA Dental Research Institute</i> , 2020, 45, 126-133.	0.1	0
14	Ca ²⁺ Influx Channel Inhibitor SARAF Protects Mice From Acute Pancreatitis. <i>Gastroenterology</i> , 2019, 157, 1660-1672.e2.	1.3	33
15	Humanin suppresses receptor activator of nuclear factor- κ B ligand-induced osteoclast differentiation via AMP-activated protein kinase activation. <i>Korean Journal of Physiology and Pharmacology</i> , 2019, 23, 411.	1.2	10
16	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.	3.8	17
17	P110 β in the ventromedial hypothalamus regulates glucose and energy metabolism. <i>Experimental and Molecular Medicine</i> , 2019, 51, 1-9.	7.7	10
18	FoxO1 regulates leptin-induced mood behavior by targeting tyrosine hydroxylase. <i>Metabolism: Clinical and Experimental</i> , 2019, 91, 43-52.	3.4	4

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19	Carbonic anhydrase 12 mutation modulates membrane stability and volume regulation of aquaporin 5. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2019, 34, 179-188.	5.2	10
20	Homer2 and Homer3 modulate RANKL-induced NFATc1 signaling in osteoclastogenesis and bone metabolism. <i>Journal of Endocrinology</i> , 2019, 242, 241-249.	2.6	15
21	Regulation of Cl ⁻ in signaling and ion transport by IRBIT-mediated recruitment of multiple kinase and phosphatase pathways. <i>FASEB Journal</i> , 2019, 33, 544.7.	0.5	0
22	Acidification induces OGR1/Ca ²⁺ /calpain signaling in gingival fibroblasts. <i>Biochemical and Biophysical Research Communications</i> , 2018, 496, 693-699.	2.1	3
23	Insulin Regulates Adrenal Steroidogenesis by Stabilizing SF-1 Activity. <i>Scientific Reports</i> , 2018, 8, 5025.	3.3	24
24	Modulation of Cl ⁻ signaling and ion transport by recruitment of kinases and phosphatases mediated by the regulatory protein IRBIT. <i>Science Signaling</i> , 2018, 11, .	3.6	16
25	A Novel Peptide, NicotinyIsoleucineValineHistidine (NAIVH), Promotes Antioxidant Gene Expression and Wound Healing in HaCaT Cells. <i>Marine Drugs</i> , 2018, 16, 262.	4.6	15
26	Increased store-operated Ca ²⁺ entry mediated by GNB5 and STIM1. <i>Korean Journal of Physiology and Pharmacology</i> , 2018, 22, 343.	1.2	2
27	Drosophila Gr64e mediates fatty acid sensing via the phospholipase C pathway. <i>PLoS Genetics</i> , 2018, 14, e1007229.	3.5	41
28	TRPM3/TRPV4 regulates Ca ²⁺ -mediated RANKL/NFATc1 expression in osteoblasts. <i>Journal of Molecular Endocrinology</i> , 2018, 61, 207-218.	2.5	27
29	Lysosomal Ca ²⁺ Signaling is Essential for Osteoclastogenesis and Bone Remodeling. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 385-396.	2.8	30
30	Cytochrome P450 1B1 inhibition suppresses tumorigenicity of prostate cancer via caspase-1 activation. <i>Oncotarget</i> , 2017, 8, 39087-39100.	1.8	28
31	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.	3.0	14
32	Fusion of lysosomes with secretory organelles leads to uncontrolled exocytosis in the lysosomal storage disease mucopolipidosis type IV. <i>EMBO Reports</i> , 2016, 17, 266-278.	4.5	39
33	The TRPCs, Orais and STIMs in ER/PM Junctions. <i>Advances in Experimental Medicine and Biology</i> , 2016, 898, 47-66.	1.6	15
34	TRPML1 as lysosomal fusion guard. <i>Channels</i> , 2016, 10, 261-263.	2.8	5
35	Orai1 and STIM1 in ER/PM junctions: roles in pancreatic cell function and dysfunction. <i>American Journal of Physiology - Cell Physiology</i> , 2016, 310, C414-C422.	4.6	18
36	A Novel Human PTH Analog [Cys25]hPTH(1-34) Restores Bone Mass in Ovariectomized Mice. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 3700-3708.	3.6	3

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37	Airborne allergens induce protease activated receptor-2-mediated production of inflammatory cytokines in human gingival epithelium. Archives of Oral Biology, 2016, 61, 138-143.	1.8	3
38	Endothelin Regulates Porphyromonas gingivalis-Induced Production of Inflammatory Cytokines. PLoS ONE, 2016, 11, e0167713.	2.5	7
39	Ca ²⁺ is a Regulator of the WNK/OSR1/NKCC Pathway in a Human Salivary Gland Cell Line. Korean Journal of Physiology and Pharmacology, 2015, 19, 249.	1.2	6
40	Peptidoglycan Induces the Production of Interleukin-8 via Calcium Signaling in Human Gingival Epithelium. Korean Journal of Physiology and Pharmacology, 2015, 19, 51.	1.2	8
41	Induction of IL-6 and IL-8 by activation of thermosensitive TRP channels in human PDL cells. Archives of Oral Biology, 2015, 60, 526-532.	1.8	20
42	Intracellular Cl ⁻ as a signaling ion that potently regulates Na ⁺ /HCO ₃ ⁻ transporters. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E329-37.	7.1	57
43	Hypotonic Stress Induces RANKL via Transient Receptor Potential Melastatin 3 (TRPM3) and Vanilloid 4 (TRPV4) in Human PDL Cells. Journal of Dental Research, 2015, 94, 473-481.	5.2	20
44	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.	1.2	5
45	Ectopic Hard Tissue Formation by Odonto/Osteogenically In Vitro Differentiated Human Deciduous Teeth Pulp Stem Cells. Calcified Tissue International, 2015, 97, 80-89.	3.1	6
46	Loss of miR-200c up-regulates CYP1B1 and confers docetaxel resistance in renal cell carcinoma. Oncotarget, 2015, 6, 7774-7787.	1.8	55
47	House Dust Mite Extract Induces PLC/IP3-dependent Ca ²⁺ Signaling and IL-8 Expression in Human Gingival Epithelial Cells. International Journal of Oral Biology: Official Journal of the Korean Academy of Oral Biology and the UCLA Dental Research Institute, 2015, 40, 11-17.	0.1	0
48	Homer2 Protein Regulates Plasma Membrane Ca ²⁺ -ATPase-mediated Ca ²⁺ Signaling in Mouse Parotid Gland Acinar Cells. Journal of Biological Chemistry, 2014, 289, 24971-24979.	3.4	23
49	Cytochrome P450 1B1 polymorphisms and risk of renal cell carcinoma in men. Tumor Biology, 2014, 35, 10223-10230.	1.8	7
50	Molecular Determinants Mediating Gating of Transient Receptor Potential Canonical (TRPC) Channels by Stromal Interaction Molecule 1 (STIM1). Journal of Biological Chemistry, 2014, 289, 6372-6382.	3.4	80
51	DA-6034 Induces [Ca ²⁺] _i Increase in Epithelial Cells. Korean Journal of Physiology and Pharmacology, 2014, 18, 89.	1.2	6
52	DA-6034 Induced Mucin Secretion Via Ca ²⁺ -Dependent Pathways Through P2Y Receptor Stimulation. , 2014, 55, 6565.		7
53	Effect of EDTA on Attachment and Differentiation of Dental Pulp Stem Cells. Journal of Endodontics, 2014, 40, 811-817.	3.1	56
54	Distinct TLR-mediated pathways regulate house dust mite-induced allergic disease in the upper and lower airways. Journal of Allergy and Clinical Immunology, 2013, 131, 549-561.	2.9	122

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55	Hypoxia-augmented constriction of deep femoral artery mediated by inhibition of eNOS in smooth muscle. <i>American Journal of Physiology - Cell Physiology</i> , 2013, 304, C78-C88.	4.6	13
56	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.	7.1	69
57	Activation of G Proteins by Aluminum Fluoride Enhances RANKL-Mediated Osteoclastogenesis. <i>Korean Journal of Physiology and Pharmacology</i> , 2013, 17, 427.	1.2	10
58	TRPM7 Is Essential for RANKL-Induced Osteoclastogenesis. <i>Korean Journal of Physiology and Pharmacology</i> , 2013, 17, 65.	1.2	17
59	Zinc inhibits osteoclast differentiation by suppression of Ca ²⁺ -Calcineurin-NFATc1 signaling pathway. <i>Cell Communication and Signaling</i> , 2013, 11, 74.	6.5	67
60	Effects of Mineral Trioxide Aggregate on the Proliferation and Differentiation of Human Dental Pulp Stromal Cells from Permanent and Deciduous Teeth. <i>The Journal of the Korean Academy of Pediatric Dentistry</i> , 2013, 40, 185-193.	0.4	0
61	Fast temporal detection of intracellular hydrogen peroxide by HyPer. <i>International Journal of Oral Biology: Official Journal of the Korean Academy of Oral Biology and the UCLA Dental Research Institute</i> , 2013, 38, 169-173.	0.1	0
62	Effects of Inositol 1,4,5-triphosphate on Osteoclast Differentiation in RANKL-induced Osteoclastogenesis. <i>Korean Journal of Physiology and Pharmacology</i> , 2012, 16, 31.	1.2	14
63	Protease-Activated Receptor 2 Mediates Mucus Secretion in the Airway Submucosal Gland. <i>PLoS ONE</i> , 2012, 7, e43188.	2.5	13
64	Genetic and Pharmacologic Inhibition of the Ca ²⁺ Influx Channel TRPC3 Protects Secretory Epithelia From Ca ²⁺ -Dependent Toxicity. <i>Gastroenterology</i> , 2011, 140, 2107-2115.e4.	1.3	94
65	Carmustine induces ERK- and JNK-dependent cell death of neuronally-differentiated PC12 cells via generation of reactive oxygen species. <i>Toxicology in Vitro</i> , 2011, 25, 1359-1365.	2.4	23
66	Polarized but Differential Localization and Recruitment of STIM1, Orai1 and TRPC Channels in Secretory Cells. <i>Traffic</i> , 2011, 12, 232-245.	2.7	116
67	Role of Regulators of G-Protein Signaling 4 in Ca ²⁺ Signaling in Mouse Pancreatic Acinar Cells. <i>Korean Journal of Physiology and Pharmacology</i> , 2011, 15, 383.	1.2	5
68	The Extracellular Signal-regulated Kinase Mitogen-activated Protein Kinase/Ribosomal S6 Protein Kinase 1 Cascade Phosphorylates cAMP Response Element-binding Protein to Induce MUC5B Gene Expression via d-Prostanoid Receptor Signaling. <i>Journal of Biological Chemistry</i> , 2011, 286, 34199-34214.	3.4	28
69	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.	2.6	27
70	Hyperosmotic Stimulus Down-regulates 1 α , 25-dihydroxyvitamin D ₃ -induced Osteoclastogenesis by Suppressing the RANKL Expression in a Co-culture System. <i>Korean Journal of Physiology and Pharmacology</i> , 2010, 14, 169.	1.2	2
71	RANKL-mediated Reactive Oxygen Species Pathway That Induces Long Lasting Ca ²⁺ Oscillations Essential for Osteoclastogenesis. <i>Journal of Biological Chemistry</i> , 2010, 285, 6913-6921.	3.4	175
72	What the Mitochondria See. <i>Molecular Cell</i> , 2010, 39, 6-7.	9.7	12

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73	Markers of squamous cell carcinoma in sarco/endoplasmic reticulum Ca ²⁺ ATPase 2 heterozygote mice keratinocytes. <i>Progress in Biophysics and Molecular Biology</i> , 2010, 103, 81-87.	2.9	7
74	Native Store-operated Ca ²⁺ Influx Requires the Channel Function of Orai1 and TRPC1. <i>Journal of Biological Chemistry</i> , 2009, 284, 9733-9741.	3.4	139
75	TRPC channels as STIM1-regulated SOCs. <i>Channels</i> , 2009, 3, 221-225.	2.8	118
76	1 <i>H</i> -[1,2,4]oxadiazolo[4,3 <i>a</i>]quinoxalinone inhibits neurite outgrowth and causes neurite retraction in PC12 cells independently of soluble guanylyl cyclase. <i>Journal of Neuroscience Research</i> , 2009, 87, 269-277.	2.9	8
77	Alteration of RANKL-Induced Osteoclastogenesis in Primary Cultured Osteoclasts From SERCA2+/- Mice. <i>Journal of Bone and Mineral Research</i> , 2009, 24, 1763-1769.	2.8	32
78	Deletion of TRPC3 in Mice Reduces Store-Operated Ca ²⁺ Influx and the Severity of Acute Pancreatitis. <i>Gastroenterology</i> , 2009, 137, 1509-1517.	1.3	129
79	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.	0.7	165
80	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.	0.7	39
81	Skeletal muscle dressed in SOCs. <i>Nature Cell Biology</i> , 2008, 10, 639-641.	10.3	18
82	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.	1.9	20
83	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.	2.9	32
84	Alteration of Expression of Ca ²⁺ Signaling Proteins and Adaptation of Ca ²⁺ Signaling in SERCA2+/- Mouse Parotid Acini. <i>Yonsei Medical Journal</i> , 2008, 49, 311.	2.2	4
85	Initiation Site of Ca ²⁺ Entry Evoked by Endoplasmic Reticulum Ca ²⁺ Depletion in Mouse Parotid and Pancreatic Acinar Cells. <i>Yonsei Medical Journal</i> , 2007, 48, 526.	2.2	5
86	Homer proteins in Ca ²⁺ signaling by excitable and non-excitable cells. <i>Cell Calcium</i> , 2007, 42, 363-371.	2.4	121
87	Expression of Ca ²⁺ -dependent Synaptotagmin Isoforms in Mouse and Rat Parotid Acinar Cells. <i>Yonsei Medical Journal</i> , 2006, 47, 70.	2.2	6
88	Calcium signaling complexes in microdomains of polarized secretory cells. <i>Cell Calcium</i> , 2006, 40, 451-459.	2.4	58
89	Critical Role of Phospholipase C ^β 1 in the Generation of H ₂ O ₂ -evoked [Ca ²⁺] _i Oscillations in Cultured Rat Cortical Astrocytes. <i>Journal of Biological Chemistry</i> , 2006, 281, 13057-13067.	3.4	43
90	Aberrant Localization of Intracellular Organelles, Ca ²⁺ Signaling, and Exocytosis in Mist1 Null Mice. <i>Journal of Biological Chemistry</i> , 2005, 280, 12668-12675.	3.4	58

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91	TRPC3 channels confer cellular memory of recent neuromuscular activity. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 9387-9392.	7.1	91
92	German cockroach extract activates protease-activated receptor 2 in human airway epithelial cells†. Journal of Allergy and Clinical Immunology, 2004, 113, 315-319.	2.9	79
93	Signalling specificity in GPCR-dependent Ca ²⁺ signalling. Cellular Signalling, 2003, 15, 243-253.	3.6	100
94	A New Mode of Ca ²⁺ Signaling by G Protein-Coupled Receptors. Current Biology, 2003, 13, 872-876.	3.9	85
95	Staurosporine-inhibitable protein kinase activity associated with secretory granule membranes isolated from rat submandibular gland cells. Archives of Oral Biology, 2003, 48, 553-558.	1.8	1
96	Homer 2 tunes G protein-coupled receptors stimulus intensity by regulating RGS proteins and PLC ^β GAP activities. Journal of Cell Biology, 2003, 162, 293-303.	5.2	84
97	Partial inhibition of SERCA is responsible for extracellular Ca ²⁺ dependence of ALF ⁴ -induced [Ca ²⁺] _i oscillations in rat pancreatic. American Journal of Physiology - Cell Physiology, 2003, 285, C1142-C1149.	4.6	5
98	Transporter-mediated bile acid uptake causes Ca ²⁺ -dependent cell death in rat pancreatic acinar cells. Gastroenterology, 2002, 122, 1941-1953.	1.3	156
99	Ca ²⁺ Signaling in Polarized Exocrine Cells. Advances in Experimental Medicine and Biology, 2002, 506, 175-183.	1.6	8
100	Regulation of Ca ²⁺ -release-activated Ca ²⁺ current (I _{crac}) by ryanodine receptors in inositol 1,4,5-trisphosphate-receptor-deficient DT40 cells. Biochemical Journal, 2001, 360, 17-22.	3.7	52
101	Polarized Expression of G Protein-coupled Receptors and an All-or-None Discharge of Ca ²⁺ Pools at Initiation Sites of [Ca ²⁺] Waves in Polarized Exocrine Cells. Journal of Biological Chemistry, 2001, 276, 44146-44156.	3.4	56
102	Regulation of Ca ²⁺ -release-activated Ca ²⁺ current (I _{crac}) by ryanodine receptors in inositol 1,4,5-trisphosphate-receptor-deficient DT40 cells. Biochemical Journal, 2001, 360, 17.	3.7	44
103	Receptor-specific Ca ²⁺ signaling in polarized cells. Journal of Korean Medical Science, 2000, 15, S46.	2.5	0
104	The Mammalian Sec6/8 Complex Interacts with Ca ²⁺ Signaling Complexes and Regulates Their Activity. Journal of Cell Biology, 2000, 150, 1101-1112.	5.2	85
105	Gating of Store-Operated Channels by Conformational Coupling to Ryanodine Receptors. Molecular Cell, 2000, 6, 421-431.	9.7	152