Uh-Hyun Kim

List of Publications by Year
in descending order

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107	3,374	117625	168389
papers	citations	34 h-index	53 g-index

112	112	112	4353
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	PERK activation by SB202190 ameliorates amyloidogenesis via the TFEB-induced autophagy-lysosomal pathway. Aging, 2022, 14, 1233-1252.	3.1	6
2	Roles of cADPR and NAADP in pancreatic beta cell signaling. Cell Calcium, 2022, 103, 102562.	2.4	6
3	Renin-angiotensin system at the interface of COVID-19 infection. European Journal of Pharmacology, 2021, 890, 173656.	3.5	23
4	Interleukinâ€8 drives CD38 to form NAADP from NADP ⁺ and NAAD in the endolysosomes to mobilize Ca ²⁺ and effect cell migration. FASEB Journal, 2020, 34, 12565-12576.	0.5	26
5	GSK-3Î² inhibition by curcumin mitigates amyloidogenesis via TFEB activation and anti-oxidative activity in human neuroblastoma cells. Free Radical Research, 2020, 54, 918-930.	3.3	28
6	Cross-talk between CD38 and TTP Is Essential for Resolution of Inflammation during Microbial Sepsis. Cell Reports, 2020, 30, 1063-1076.e5.	6.4	25
7	CO ameliorates cellular senescence and aging by modulating the miR-34a/Sirt1 pathway. Free Radical Research, 2020, 54, 848-858.	3.3	5
8	The Role of Glutamine in the Prevention of Ultraviolet-C-Induced Platelet Activation. Biochemistry Research International, 2020, 2020, 1-7.	3.3	5
9	Hyperglycemia associated blood viscosity can be a nexus stimuli. Clinical Hemorheology and Microcirculation, 2019, 71, 103-112.	1.7	10
10	Carbon monoxide ameliorates acetaminophenâ€induced liver injury by increasing hepatic HOâ€1 and Parkin expression. FASEB Journal, 2019, 33, 13905-13919.	0.5	22
11	Carbon monoxide induces the assembly of stress granule through the integrated stress response. Biochemical and Biophysical Research Communications, 2019, 512, 289-294.	2.1	12
12	The Essential Role of Ca2+ Signals in UVBâ€“Induced IL-1Î² Secretion in Keratinocytes. Journal of Investigative Dermatology, 2019, 139, 1362-1372.	0.7	11
13	Trpm2 Ablation Accelerates Protein Aggregation by Impaired ADPR and Autophagic Clearance in the Brain. Molecular Neurobiology, 2019, 56, 3819-3832.	4.0	11
14	Carbon monoxide attenuates amyloidogenesis via downâ€regulation of NFâ€ÎºBâ€mediated BACE1 gene expression. Aging Cell, 2019, 18, e12864.	6.7	18
15	Oxidative activation of type III CD38 by NADPH oxidaseâ€“derived hydrogen peroxide in Ca²⁺signaling. FASEB Journal, 2019, 33, 3404-3419.	0.5	18
16	Critical Roles of Carbon Monoxide and Nitric Oxide in Ca²⁺Signaling for Insulin Secretion in Pancreatic Islets. Antioxidants and Redox Signaling, 2019, 30, 560-576.	5.4	19
17	FGF21 induced by carbon monoxide mediates metabolic homeostasis via the PERK/ATF4 pathway. FASEB Journal, 2018, 32, 2630-2643.	0.5	39
18	CD38-cADPR-SERCA Signaling Axis Determines Skeletal Muscle Contractile Force in Response to Î²-Adrenergic Stimulation. Cellular Physiology and Biochemistry, 2018, 46, 2017-2030.	1.6	12

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19	Exercise induces muscle fiber type switching via transient receptor potential melastatin 2-dependent Ca²⁺ signaling. Journal of Applied Physiology, 2018, 124, 364-373.	2.5	21
20	Pterostilbene 4<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:msup><mml:mrow /><mml:mrow><mml:mo>â€²</mml:mo></mml:mrow></mml:msup></mml:math>-Î²-Glucoside Attenuates LPS-Induced Acute Lung Injury via Induction of Heme Oxygenase-1. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-16.	4.0	22
21	Carbon monoxide-induced TFEB nuclear translocation enhances mitophagy/mitochondrial biogenesis in hepatocytes and ameliorates inflammatory liver injury. Cell Death and Disease, 2018, 9, 1060.	6.3	65
22	Disassembly of Subplasmalemmal Actin Filaments Induces Cytosolic Ca2+ Increases in Astropecten aranciacus Eggs. Cellular Physiology and Biochemistry, 2018, 48, 2011-2034.	1.6	19
23	Seminal CD38: Ever-Expanding Breadth of Its Function in Reproductive Biology. Messenger (Los) Tj ETQq1 1 0.784314 rgBT /Overlock	0.3	0
24	Protein tyrosine phosphatase 1B is a mediator of cyclic ADP ribose-induced Ca2+ signaling in ventricular myocytes. Experimental and Molecular Medicine, 2017, 49, e341-e341.	7.7	4
25	NAADPâ€mediated Ca ²⁺ signaling promotes autophagy and protects against LPSâ€induced liver injury. FASEB Journal, 2017, 31, 3126-3137.	0.5	33
26	The critical role of uterine CD31 as a post-progesterone signal in early pregnancy. Reproduction, 2017, 154, 595-605.	2.6	2
27	An immunohistochemical, enzymatic, and behavioral study of CD157/BST-1 as a neuroregulator. BMC Neuroscience, 2017, 18, 35.	1.9	43
28	Carbon monoxide protects against hepatic steatosis in mice by inducing sestrin-2 via the PERK-eIF2Î±-ATF4 pathway. Free Radical Biology and Medicine, 2017, 110, 81-91.	2.9	83
29	Nicotinic Acid Adenine Dinucleotide Phosphate (NAADP) and Cyclic ADP-Ribose (cADPR) Mediate Ca2+ Signaling in Cardiac Hypertrophy Induced by Î²-Adrenergic Stimulation. PLoS ONE, 2016, 11, e0149125.	2.5	38
30	Impaired learning and memory in CD38 null mutant mice. Molecular Brain, 2016, 9, 16.	2.6	48
31	CD38-mediated Ca2+ signaling contributes to glucagon-induced hepatic gluconeogenesis. Scientific Reports, 2015, 5, 10741.	3.3	27
32	Arginine Thiazolidine Carboxylate Stimulates Insulin Secretion through Production of Ca2+-Mobilizing Second Messengers NAADP and cADPR in Pancreatic Islets. PLoS ONE, 2015, 10, e0134962.	2.5	4
33	Role of Nicotinic Acid Adenine Dinucleotide Phosphate (NAADP) in Keratinocyte Differentiation. Journal of Investigative Dermatology, 2015, 135, 1692-1694.	0.7	8
34	Seminal CD38 is a pivotal regulator for fetomaternal tolerance. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1559-1564.	7.1	41
35	ADP-ribose/TRPM2-mediated Ca2+ signaling is essential for cytolytic degranulation and antitumor activity of natural killer cells. Scientific Reports, 2015, 5, 9482.	3.3	31
36	Exercise Ameliorates Insulin Resistance via Ca2+Signals Distinct From Those of Insulin for GLUT4 Translocation in Skeletal Muscles. Diabetes, 2015, 64, 1224-1234.	0.6	57

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37	Seminal CD38 Enhances Human Sperm Capacitation through Its Interaction with CD31. PLoS ONE, 2015, 10, e0139110.	2.5	11
38	Human anti-peptidoglycan-IgG-mediated opsonophagocytosis is controlled by calcium mobilization in phorbol myristate acetate-treated U937 cells. BMB Reports, 2015, 48, 36-41.	2.4	2
39	Critical Role for NAD Glycohydrolase in Regulation of Erythropoiesis by Hematopoietic Stem Cells through Control of Intracellular NAD Content. Journal of Biological Chemistry, 2014, 289, 16362-16373.	3.4	0
40	Multiple Enzymatic Activities of CD38 for Ca²⁺ Signaling Messengers. Messenger (Los Angeles, Calif: Print), 2014, 3, 6-14.	0.3	15
41	A Special Issue on Third and Fourth NAD (ASIAN 3) Meetings in 2014. Messenger (Los Angeles,) Tj ETQq1 1 0.784314 rgBT /Over	0.3	1
42	Autocrine/Paracrine Function of Nicotinic Acid Adenine Dinucleotide Phosphate (NAADP) for Glucose Homeostasis in Pancreatic Î²-Cells and Adipocytes. Journal of Biological Chemistry, 2013, 288, 35548-35558.	3.4	28
43	Cooperative interaction between reactive oxygen species and Ca²⁺signals contributes to angiotensin II-induced hypertrophy in adult rat cardiomyocytes. American Journal of Physiology - Heart and Circulatory Physiology, 2012, 302, H901-H909.	3.2	34
44	Involvement of actin filament in the generation of Ca2+mobilizing messengers in glucose-induced Ca2+signaling in pancreatic Î²-cells. Islets, 2012, 4, 145-151.	1.8	14
45	Critical Role of CD38 for Generation of Ca²⁺ Signaling Messengers in Angiotensin II-Stimulated Kupffer Cells. Messenger (Los Angeles, Calif: Print), 2012, 1, 77-85.	0.3	3
46	The Role of CD38 in FcÎ³ Receptor (FcÎ³R)-mediated Phagocytosis in Murine Macrophages. Journal of Biological Chemistry, 2012, 287, 14502-14514.	3.4	42
47	NAADP Mediates Insulin-Stimulated Glucose Uptake and Insulin Sensitization by PPARÎ³ in Adipocytes. Cell Reports, 2012, 2, 1607-1619.	6.4	51
48	Kidney ADP-Ribosyl Cyclase Inhibitors as a Therapeutic Tool for Diabetic Nephropathy. , 2012, , .		0
49	Connexin-43 Hemichannels Mediate Cyclic ADP-ribose Generation and Its Ca2+-mobilizing Activity by NAD+/Cyclic ADP-ribose Transport. Journal of Biological Chemistry, 2011, 286, 44480-44490.	3.4	44
50	Critical Role for CD38-mediated Ca2+ Signaling in Thrombin-induced Procoagulant Activity of Mouse Platelets and Hemostasis. Journal of Biological Chemistry, 2011, 286, 12952-12958.	3.4	41
51	Ca ²⁺ Signaling Tools Acquired from Prostasomes Are Required for Progesterone-Induced Sperm Motility. Science Signaling, 2011, 4, ra31.	3.6	146
52	HEME IRON POLYPEPTIDE POLYMER WITH HIGH IRON CONTENT AS AN IDEAL IRON SUPPLEMENT. Journal of Food Biochemistry, 2010, 34, no-no.	2.9	1
53	Generation of Cyclic ADP-ribose and Nicotinic Acid Adenine Dinucleotide Phosphate by CD38 for Ca2+ Signaling in Interleukin-8-treated Lymphokine-activated Killer Cells. Journal of Biological Chemistry, 2010, 285, 21877-21887.	3.4	61
54	CD38-mediated Ca2+ Signaling Contributes to Angiotensin II-induced Activation of Hepatic Stellate Cells. Journal of Biological Chemistry, 2010, 285, 576-582.	3.4	58

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55	Angiotensin-(1â€“7) stimulates high atrial pacing-induced ANP secretion via Mas/PI3-kinase/Akt axis and Na⁺/H⁺ exchanger. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 298, H1365-H1374.	3.2	46
56	Two genetic variants of CD38 in subjects with autism spectrum disorder and controls. Neuroscience Research, 2010, 67, 181-191.	1.9	176
57	Insulin receptor signaling for the proliferation of pancreatic Î²-cells: Involvement of Ca²⁺second messengers, IP₃, NAADP and cADPR. Islets, 2009, 1, 216-223.	1.8	23
58	Inhibition of ADP-ribosyl cyclase attenuates angiotensin II-induced cardiac hypertrophy. Cardiovascular Research, 2009, 81, 582-591.	3.8	27
59	Role of kidney ADP-ribosyl cyclase in diabetic nephropathy. American Journal of Physiology - Renal Physiology, 2009, 296, F291-F297.	2.7	15
60	Role of calcium/calmodulin signaling pathway in Vibrio vulnificus cytolysin-induced hyperpermeability. Microbial Pathogenesis, 2009, 47, 47-51.	2.9	2
61	Extracellular NAD is a regulator for FcÎ³R-mediated phagocytosis in murine macrophages. Biochemical and Biophysical Research Communications, 2008, 367, 156-161.	2.1	15
62	Molecular mechanism of ADP-ribosyl cyclase activation in angiotensin II signaling in murine mesangial cells. American Journal of Physiology - Renal Physiology, 2008, 294, F982-F989.	2.7	25
63	A novel signaling pathway of ADP-ribosyl cyclase activation by angiotensin II in adult rat cardiomyocytes. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 295, H77-H88.	3.2	45
64	Generation of Nicotinic Acid Adenine Dinucleotide Phosphate and Cyclic ADP-Ribose by Glucagon-Like Peptide-1 Evokes Ca2+ Signal That Is Essential for Insulin Secretion in Mouse Pancreatic Islets. Diabetes, 2008, 57, 868-878.	0.6	123
65	Association of CD38 with Nonmuscle Myosin Heavy Chain IIA and Lck Is Essential for the Internalization and Activation of CD38. Journal of Biological Chemistry, 2007, 282, 5653-5660.	3.4	27
66	Low-density lipoprotein protects Vibrio vulnificus-induced lethality through blocking lipopolysaccharide action. Experimental and Molecular Medicine, 2007, 39, 673-678.	7.7	11
67	Hyaluronan inhibits osteoclast differentiation via Toll-like receptor 4. Journal of Cell Science, 2007, 120, 166-176.	2.0	96
68	Connexin-43 Mediates FcÎ³ Receptor-Induced Calcium Signaling by Acting as an NAD/Cyclic ADP-Ribose Transporter.. Blood, 2007, 110, 3853-3853.	1.4	10
69	Doxorubicin-induced reactive oxygen species generation and intracellular Ca2+increase are reciprocally modulated in rat cardiomyocytes. Experimental and Molecular Medicine, 2006, 38, 535-545.	7.7	213
70	Physicochemical Properties of Heme Iron Products in the Korean Market. Journal of Medicinal Food, 2006, 9, 231-236.	1.5	2
71	Discovery of a small-molecule inhibitor for kidney ADP-ribosyl cyclase: Implication for intracellular calcium signal mediated by cyclic ADP-ribose. Experimental and Molecular Medicine, 2006, 38, 718-726.	7.7	13
72	A Prodrug of Cysteine, l-2-Oxothiazolidine-4-carboxylic Acid, Regulates Vascular Permeability by Reducing Vascular Endothelial Growth Factor Expression in Asthma. Molecular Pharmacology, 2005, 68, 1281-1290.	2.3	28

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73	Activation of CD38 by Interleukin-8 Signaling Regulates Intracellular Ca2+ Level and Motility of Lymphokine-activated Killer Cells. Journal of Biological Chemistry, 2005, 280, 2888-2895.	3.4	56
74	A novel fluorometric assay for ADP-ribose pyrophosphatase activity. Journal of Proteomics, 2005, 63, 161-169.	2.4	3
75	ADP-ribosyl cyclase couples to cyclic AMP signaling in the cardiomyocytes. Biochemical and Biophysical Research Communications, 2005, 330, 1290-1298.	2.1	33
76	Blockade of airway hyperresponsiveness and inflammation in a murine model of asthma by a prodrug of cysteine, Lâ€2â€•oxothiazolidineâ€4â€carboxylic acid. FASEB Journal, 2004, 18, 1917-1919.	0.5	71
77	Î±1B-Adrenoceptor Signaling and Cell Motility. Journal of Biological Chemistry, 2004, 279, 36593-36600.	3.4	41
78	Expression System for Enhanced Green Fluorescence Protein Conjugated Recombinant Antibody Fragment. Hybridoma, 2004, 23, 279-286.	0.4	10
79	Increase of intracellular Ca2+ during ischemia/reperfusion injury of heart is mediated by cyclic ADP-ribose. Biochemical and Biophysical Research Communications, 2003, 307, 713-718.	2.1	32
80	The Preparation of Butyrylated NAD+Type of Biological Molecules. Synthetic Communications, 2003, 33, 2803-2810.	2.1	1
81	Antidiabetic Effect of a Prodrug of Cysteine,l-2-Oxothiazolidine-4-carboxylic Acid, through CD38 Dimerization and Internalization. Journal of Biological Chemistry, 2002, 277, 5315-5321.	3.4	34
82	Significance of Ecto-Cyclase Activity of CD38 in Insulin Secretion of Mouse Pancreatic Islet Cells. Biochemical and Biophysical Research Communications, 2001, 282, 781-786.	2.1	29
83	Adaptor Protein Lad Relays PDGF Signal to Grb2 in Lung Cells: A Tissue-Specific PDGF Signal Transduction. Biochemical and Biophysical Research Communications, 2001, 284, 275-281.	2.1	19
84	A novel fibroblast growth factor receptor-5 preferentially expressed in the pancreas. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2001, 1518, 152-156.	2.4	73
85	Cytokines Secreted by Lymphokine-Activated Killer Cells Induce Endogenous Nitric Oxide Synthesis and Apoptosis in DLD-1 Colon Cancer Cells. Cellular Immunology, 2000, 203, 84-94.	3.0	52
86	Interaction of Two Classes of ADP-ribose Transfer Reactions in Immune Signaling. Journal of Biological Chemistry, 2000, 275, 20799-20805.	3.4	53
87	Direct Interaction of the CD38 Cytoplasmic Tail and the Lck SH2 Domain. Journal of Biological Chemistry, 2000, 275, 1685-1690.	3.4	21
88	Localization of the Cyclic ADP-ribose-dependent Calcium Signaling Pathway in Hepatocyte Nucleus. Journal of Biological Chemistry, 2000, 275, 24807-24817.	3.4	90
89	Increase of NAD glycohydrolase activity in uterine cervix cancers is caused by infiltration of lymphocytes. Cancer Letters, 1999, 146, 201-205.	7.2	1
90	Receptor-Mediated Activation of Murine Peritoneal Macrophages by Antithrombin III Acts as a Costimulatory Signal for Nitric Oxide Synthesis. Cellular Immunology, 1998, 188, 33-40.	3.0	7

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91	Auto-ADP-ribosylation of NAD glycohydrolase from Neurospora crassa. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1998, 120, 175-181.	1.6	12
92	Purification and characterization of adenosine diphosphate ribose pyrophosphatase from human erythrocytes. International Journal of Biochemistry and Cell Biology, 1998, 30, 629-638.	2.8	26
93	Inhibition of Voltageâ€Sensitive Calcium Channels by the A_{2A} Adenosine Receptor in PC12 cells. Journal of Neurochemistry, 1998, 71, 1251-1260.	3.9	29
94	Nitric Oxide Inhibits Capping in HL-60 Cells. Biochemical and Biophysical Research Communications, 1997, 232, 827-831.	2.1	10
95	Regulation of NAD+ glycohydrolase activity by NAD+-dependent auto-ADP-ribosylation. Biochemical Journal, 1996, 318, 903-908.	3.7	16
96	Nitric Oxide Induces ADP-Ribosylation of Actin in Murine Macrophages: Association with the Inhibition of Pseudopodia Formation, Phagocytic Activity, and Adherence on a Laminin Substratum. Cellular Immunology, 1996, 174, 25-34.	3.0	52
97	Immunohistochemical localization of NAD glycohydrolase in human and rabbit tissues. Histochemistry and Cell Biology, 1995, 104, 185-189.	1.7	10
98	Expression of Glycosylphosphatidylinositol-Anchored NAD Glycohydrolase in Differentiated HL60 Cells by Phorbol Ester. Biochemical and Biophysical Research Communications, 1995, 213, 730-736.	2.1	7
99	Role of Ca2+ in alloxan-induced pancreatic Î²-cell damage. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 1994, 1227, 87-91.	3.8	43
100	Glycosylphosphatidylinositol-anchored NAD glycohydrolase is released from peritoneal macrophages activated by interferon-Î³ and lipopolysaccharide. Journal of Leukocyte Biology, 1994, 56, 792-796.	3.3	10
101	Selectivity of phospholipase C isozymes in growth factor signaling. FEBS Letters, 1993, 334, 257-260.	2.8	8
102	Purification and Characterization of NAD Glycohydrolase from Rabbit Erythrocytes. Archives of Biochemistry and Biophysics, 1993, 305, 147-152.	3.0	64
103	Hemolytic mechanism of cytolysin produced from. Life Sciences, 1993, 53, 571-577.	4.3	61
104	Function of NAD glycohydrolase in ADP-ribose uptake from NAD by human erythrocytes. Biochimica Et Biophysica Acta - Molecular Cell Research, 1993, 1178, 121-126.	4.1	39
105	Epidermal growth factor and platelet-derived growth factor promote translocation of phospholipase C-Î³ from cytosol to membrane. FEBS Letters, 1990, 270, 33-36.	2.8	33
106	Membrane-associated NAD+ glycohydrolase from rabbit erythrocytes is solubilized by phosphatidylinositol-specific phospholipase C. Biochimica Et Biophysica Acta - General Subjects, 1988, 965, 76-81.	2.4	32
107	Murine Responses to Immunization with Pertussis Toxin and Bovine Serum Albumin: I. Mortality Observed after Bovine Albumin Challenge is Due To an Anaphylactic Reaction. Pediatric Research, 1987, 22, 262-267.	2.3	5