

Han-Jung Chae

List of Publications by Year in descending order

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109
papers

9,411
citations

156536

32
h-index

45040

94
g-index

112
all docs

112
docs citations

112
times ranked

21336
citing authors

#	ARTICLE	IF	CITATIONS
1	IBF-R Regulates IRE1 \pm Post-Translational Modifications and ER Stress in High-Fat Diet-Induced Obese Mice. <i>Nutrients</i> , 2022, 14, 217.	1.7	6
2	D-allulose ameliorates hyperglycemia through IRE1 \pm sulfonation-RIDD-SIRT1 decay axis in the skeletal muscle. <i>Antioxidants and Redox Signaling</i> , 2022, , .	2.5	4
3	GABA and Fermented Curcuma longa L. Extract Enriched with GABA Ameliorate Obesity through Nox4-IRE1 \pm Sulfonation-RIDD-SIRT1 Decay Axis in High-Fat Diet-Induced Obese Mice. <i>Nutrients</i> , 2022, 14, 1680.	1.7	7
4	TMBIM6 (transmembrane BAX inhibitor motif containing 6) enhances autophagy through regulation of lysosomal calcium. <i>Autophagy</i> , 2021, 17, 761-778.	4.3	39
5	Isolation of amylase regulators from the leaves of <i>Ixeridium dentatum</i> . <i>Natural Product Research</i> , 2021, 35, 744-749.	1.0	1
6	The aftermath of the interplay between the endoplasmic reticulum stress response and redox signaling. <i>Experimental and Molecular Medicine</i> , 2021, 53, 151-167.	3.2	116
7	Heat-inactivated <i>Lactobacillus plantarum</i> nF1 promotes intestinal health in Loperamide-induced constipation rats. <i>PLoS ONE</i> , 2021, 16, e0250354.	1.1	5
8	Chalcone suppresses tumor growth through NOX4-IRE1 \pm sulfonation-RIDD-miR-23b axis. <i>Redox Biology</i> , 2021, 40, 101853.	3.9	12
9	Subnanometer Thick Carbon-Layer-Encapsulated Silver Nanoparticles Selectively Neutralizing Human Cancer Cells and Pathogens through Controlled Release of Ag ⁺ Ions. <i>ACS Applied Nano Materials</i> , 2021, 4, 7295-7308.	2.4	7
10	TMBIM6 regulates redox-associated posttranslational modifications of IRE1 \pm and ER stress response failure in aging mice and humans. <i>Redox Biology</i> , 2021, 47, 102128.	3.9	8
11	Ginger extract controls mTOR-SREBP1-ER stress-mitochondria dysfunction through AMPK activation in obesity model. <i>Journal of Functional Foods</i> , 2021, 87, 104628.	1.6	10
12	IBF-R, a botanical extract of <i>Rhus verniciflua</i> controls obesity in which AMPK-SIRT1 axis and ROS regulatory mechanism are involved in mice. <i>Journal of Functional Foods</i> , 2021, 87, 104804.	1.6	8
13	D-allulose ameliorates adiposity through the AMPK-SIRT1-PGC-1 \pm pathway in HFD-induced SD rats. <i>Food and Nutrition Research</i> , 2021, 65, .	1.2	4
14	The correlation of IRE1 \pm oxidation with Nox4 activation in aging-associated vascular dysfunction. <i>Redox Biology</i> , 2020, 37, 101727.	3.9	21
15	Anthocyanins attenuate endothelial dysfunction through regulation of uncoupling of nitric oxide synthase in aged rats. <i>Aging Cell</i> , 2020, 19, e13279.	3.0	35
16	TMBIM6/BI-1 contributes to cancer progression through assembly with mTORC2 and AKT activation. <i>Nature Communications</i> , 2020, 11, 4012.	5.8	38
17	Endoplasmic Reticulum (ER) Stress Response Failure in Diseases. <i>Trends in Cell Biology</i> , 2020, 30, 672-675.	3.6	71
18	<i>Ixeris dentata</i> and <i>Lactobacillus gasseri</i> Extracts Improve Salivary Secretion Capability in Diabetes-Associated Dry Mouth Rat Model. <i>Nutrients</i> , 2020, 12, 1331.	1.7	3

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19	Role of Endoplasmic Reticulum Stress Sensor IRE1 α in Cellular Physiology, Calcium, ROS Signaling, and Metaflammation. <i>Cells</i> , 2020, 9, 1160.	1.8	45
20	Citrus Peel Extract Ameliorates High-Fat Diet-Induced NAFLD via Activation of AMPK Signaling. <i>Nutrients</i> , 2020, 12, 673.	1.7	22
21	Glucose-lowering effect of <i>Gryllus bimaculatus</i> powder on streptozotocin-induced diabetes through the AKT/mTOR pathway. <i>Food Science and Nutrition</i> , 2020, 8, 402-409.	1.5	22
22	Expression of TMBIM6 in Cancers: The Involvement of Sp1 and PKC. <i>Cancers</i> , 2019, 11, 974.	1.7	8
23	<i>Rhus verniciflua</i> and <i>Eucommia ulmoides</i> Protects Against High-Fat Diet-Induced Hepatic Steatosis by Enhancing Anti-Oxidation and AMPK Activation. <i>The American Journal of Chinese Medicine</i> , 2019, 47, 1253-1270.	1.5	9
24	Mulberry Extract Attenuates Endothelial Dysfunction through the Regulation of Uncoupling Endothelial Nitric Oxide Synthase in High Fat Diet Rats. <i>Nutrients</i> , 2019, 11, 978.	1.7	15
25	An endoplasmic reticulum stress regulator, Tmbim6, modulates secretory stage of mice molar. <i>Journal of Cellular Physiology</i> , 2019, 234, 20354-20365.	2.0	6
26	<i>Eucommia ulmoides</i> Leaf Extract Ameliorates Steatosis Induced by High-fat Diet in Rats by Increasing Lysosomal Function. <i>Nutrients</i> , 2019, 11, 426.	1.7	29
27	<i>R. verniciflua</i> and <i>E. ulmoides</i> Extract (ILF-RE) Protects against Chronic CCl ₄ -Induced Liver Damage by Enhancing Antioxidation. <i>Nutrients</i> , 2019, 11, 382.	1.7	17
28	Platycodi Radix and its active compounds ameliorate against house dust mite-induced allergic airway inflammation and ER stress and ROS by enhancing anti-oxidation. <i>Food and Chemical Toxicology</i> , 2019, 123, 412-423.	1.8	27
29	The imprint of salivary secretion in autoimmune disorders and related pathological conditions. <i>Autoimmunity Reviews</i> , 2018, 17, 376-390.	2.5	34
30	PI3K γ contributes to ER stress-associated asthma through ER-redox disturbances: the involvement of the RIDD α -RIG-I α -NF- κ B axis. <i>Experimental and Molecular Medicine</i> , 2018, 50, e444-e444.	3.2	27
31	In vitro assessments of bone microcomputed tomography in an aged male rat model supplemented with Panax ginseng. <i>Saudi Journal of Biological Sciences</i> , 2018, 25, 1135-1139.	1.8	7
32	Transmembrane BAX Inhibitor Motif-6 (TMBIM6) protects against cisplatin-induced testicular toxicity. <i>Human Reproduction</i> , 2018, 33, 378-389.	0.4	13
33	<i>Eucommia ulmoides</i> leaf (EUL) extract enhances NO production in ox-LDL-treated human endothelial cells. <i>Biomedicine and Pharmacotherapy</i> , 2018, 97, 1164-1172.	2.5	24
34	Potential Application of <i>Ixeris dentata</i> in the Prevention and Treatment of Aging-Induced Dry Mouth. <i>Nutrients</i> , 2018, 10, 1989.	1.7	13
35	Compliance with Saliva Collection Protocol in Healthy Volunteers: Strategies for Managing Risk and Errors. <i>International Journal of Medical Sciences</i> , 2018, 15, 823-831.	1.1	96
36	IRE1 α Implications in Endoplasmic Reticulum Stress-Mediated Development and Pathogenesis of Autoimmune Diseases. <i>Frontiers in Immunology</i> , 2018, 9, 1289.	2.2	72

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37	Ilex dentata Extract Increases Salivary Secretion through the Regulation of Endoplasmic Reticulum Stress in a Diabetes-Induced Xerostomia Rat Model. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1059.	1.8	21
38	Antioxidant, antibacterial, antidiarrheal and antipyretic activities of organic crude fractions of <i>Commelina paludosa</i> . <i>AYU: an International Quarterly Journal of Research in Ayurveda</i> , 2018, 39, 101.	0.3	3
39	Mulberry and its main components protect against oxidized low-density lipoprotein-induced endothelial nitric oxide synthase uncoupling. <i>Journal of Functional Foods</i> , 2017, 29, 295-302.	1.6	8
40	Î²-Cell protection and antidiabetic activities of <i>Crassocephalum crepidioides</i> (Asteraceae) Benth. S. Moore extract against alloxan-induced oxidative stress via regulation of apoptosis and reactive oxygen species (ROS). <i>BMC Complementary and Alternative Medicine</i> , 2017, 17, 179.	3.7	28
41	Nox4 regulates the eNOS uncoupling process in aging endothelial cells. <i>Free Radical Biology and Medicine</i> , 2017, 113, 26-35.	1.3	42
42	Curcumin and <i>Curcuma longa</i> L. extract ameliorate lipid accumulation through the regulation of the endoplasmic reticulum redox and ER stress. <i>Scientific Reports</i> , 2017, 7, 6513.	1.6	33
43	Endoplasmic reticulum stress in the regulation of liver diseases: Involvement of Regulated IRE1 and χ^2 -dependent decay and miRNA. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2017, 32, 981-991.	1.4	18
44	Polyphenolic Extract of <i>Euphorbia supina</i> Attenuates Manganese-Induced Neurotoxicity by Enhancing Antioxidant Activity through Regulation of ER Stress and ER Stress-Mediated Apoptosis. <i>International Journal of Molecular Sciences</i> , 2017, 18, 300.	1.8	28
45	Protective role of quercetin against manganese-induced injury in the liver, kidney, and lung; and hematological parameters in acute and subchronic rat models. <i>Drug Design, Development and Therapy</i> , 2017, Volume 11, 2605-2619.	2.0	17
46	<i>Ilex dentata</i> extract regulates salivary secretion through the activation of aquaporin-5 and prevents diabetes-induced xerostomia. <i>Journal of Experimental Pharmacology</i> , 2017, Volume 9, 81-91.	1.5	10
47	Endoplasmic Reticulum Stress and Associated ROS. <i>International Journal of Molecular Sciences</i> , 2016, 17, 327.	1.8	624
48	Porcine placenta hydrolysates enhance osteoblast differentiation through their antioxidant activity and effects on ER stress. <i>BMC Complementary and Alternative Medicine</i> , 2016, 16, 291.	3.7	12
49	4-Phenylbutyric acid regulates CCl4-induced acute hepatic dyslipidemia in a mouse model: A mechanism-based PK/PD study. <i>European Journal of Pharmacology</i> , 2016, 777, 104-112.	1.7	16
50	Turmeric extract and its active compound, curcumin, protect against chronic CCl4-induced liver damage by enhancing antioxidation. <i>BMC Complementary and Alternative Medicine</i> , 2016, 16, 316.	3.7	57
51	Effect of BI-1 on insulin resistance through regulation of CYP2E1. <i>Scientific Reports</i> , 2016, 6, 32229.	1.6	16
52	Porcine placenta hydrolysates regulate calcium disturbance in MC3T3-E1 osteoblastic cells. <i>BMC Complementary and Alternative Medicine</i> , 2016, 16, 237.	3.7	2
53	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
54	Ginsenoside Re Inhibits Osteoclast Differentiation in Mouse Bone Marrow-Derived Macrophages and Zebrafish Scale Model. <i>Molecules and Cells</i> , 2016, 39, 855-861.	1.0	13

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55	A pathogenic role for ER stress-induced autophagy and ER chaperone GRP78/BiP in T lymphocyte systemic lupus erythematosus. <i>Journal of Leukocyte Biology</i> , 2015, 97, 425-433.	1.5	55
56	Isolation of two new bioactive sesquiterpene lactone glycosides from the roots of <i>Ixeris dentata</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 4562-4566.	1.0	12
57	ER stress: Autophagy induction, inhibition and selection. <i>Autophagy</i> , 2015, 11, 1956-1977.	4.3	598
58	Soybean greatly reduces valproic acid plasma concentrations: A food-drug interaction study. <i>Scientific Reports</i> , 2015, 4, 4362.	1.6	26
59	<i>Eucommia ulmoides</i> Cortex, Geniposide and Aucubin Regulate Lipotoxicity through the Inhibition of Lysosomal BAX. <i>PLoS ONE</i> , 2014, 9, e88017.	1.1	21
60	<i>Ixeris dentata</i> Decreases ER Stress and Hepatic Lipid Accumulation through Regulation of ApoB Secretion. <i>The American Journal of Chinese Medicine</i> , 2014, 42, 639-649.	1.5	13
61	Development and validation of a highly sensitive LC-MS/MS method for quantification of IC87114 in mice plasma, bronchoalveolar lavage and lung samples: Application to pharmacokinetic study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 89, 197-202.	1.4	1
62	Bax Inhibitor-1-Mediated Inhibition of Mitochondrial Ca ²⁺ Intake Regulates Mitochondrial Permeability Transition Pore Opening and Cell Death. <i>Scientific Reports</i> , 2014, 4, 5194.	1.6	34
63	BI-1 enhances Fas-induced cell death through a Na ⁺ /H ⁺ -associated mechanism. <i>BMB Reports</i> , 2014, 47, 393-398.	1.1	1
64	An Involvement of Oxidative Stress in Endoplasmic Reticulum Stress and Its Associated Diseases. <i>International Journal of Molecular Sciences</i> , 2013, 14, 434-456.	1.8	324
65	<i>Ixeris dentata</i> -induced regulation of amylase synthesis and secretion in glucose-treated human salivary gland cells. <i>Food and Chemical Toxicology</i> , 2013, 62, 739-749.	1.8	17
66	<i>Eucommia ulmoides</i> Oliver Extract, Aucubin, and Geniposide Enhance Lysosomal Activity to Regulate ER Stress and Hepatic Lipid Accumulation. <i>PLoS ONE</i> , 2013, 8, e81349.	1.1	46
67	Proteomic Profiling of Differentially Expressed Proteins from Bax inhibitor-1 Knockout and Wild Type Mice. <i>Molecules and Cells</i> , 2012, 34, 15-24.	1.0	7
68	Effects of <i>Ficus carica</i> paste on loperamide-induced constipation in rats. <i>Food and Chemical Toxicology</i> , 2012, 50, 895-902.	1.8	86
69	Bax inhibitor-1 regulates the expression of P450 2E1 through enhanced lysosome activity. <i>International Journal of Biochemistry and Cell Biology</i> , 2012, 44, 600-611.	1.2	14
70	N-Nitrosodimethylamine induced lung fibroblast cell death is associated with JNK activation. <i>Molecular and Cellular Toxicology</i> , 2012, 8, 155-161.	0.8	0
71	Doxorubicin- and Daunorubicin-Induced Regulation of Ca ²⁺ and H ⁺ Fluxes Through Human Bax Inhibitor-1 Reconstituted into Membranes. <i>Journal of Pharmaceutical Sciences</i> , 2012, 101, 1314-1326.	1.6	10
72	An acidic pH environment increases cell death and pro-inflammatory cytokine release in osteoblasts: The involvement of BAX Inhibitor-1. <i>International Journal of Biochemistry and Cell Biology</i> , 2011, 43, 1305-1317.	1.2	32

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73	Enhanced Lysosomal Activity Is Involved in Bax Inhibitor-1-induced Regulation of the Endoplasmic Reticulum (ER) Stress Response and Cell Death against ER Stress. <i>Journal of Biological Chemistry</i> , 2011, 286, 24743-24753.	1.6	32
74	Neuroprotective effect of <i>Gastrodia elata</i> Blume ethanol extracts (GEB) against beta-amyloid-induced BV2 cell death: Gastrodin and 4-hydroxybenzaldehyde (4-HBA) are the bio active candidates. <i>FASEB Journal</i> , 2011, 25, 1b298.	0.2	1
75	Cardiolipin, phosphatidylserine, and BH4 domain of Bcl-2 family regulate Ca ²⁺ /H ⁺ antiporter activity of human Bax inhibitor-1. <i>Cell Calcium</i> , 2010, 47, 387-396.	1.1	32
76	Bax Inhibitor 1 Increases Cell Adhesion through Actin Polymerization: Involvement of Calcium and Actin Binding. <i>Molecular and Cellular Biology</i> , 2010, 30, 1800-1813.	1.1	29
77	Sulforaphane protects ischemic injury of hearts through antioxidant pathway and mitochondrial KATP channels. <i>Pharmacological Research</i> , 2010, 61, 342-348.	3.1	104
78	Low-density lipoprotein particle size in hepatic steatosis and metabolic syndrome. <i>Diabetology and Metabolic Syndrome</i> , 2010, 2, 18.	1.2	4
79	Metformin regulates palmitate-induced apoptosis and ER stress response in HepG2 liver cells. <i>Immunopharmacology and Immunotoxicology</i> , 2010, 32, 251-257.	1.1	57
80	Effect of <i>Ficus carica</i> on Functional Constipation. <i>FASEB Journal</i> , 2010, 24, 1b348.	0.2	5
81	Acidic pH environments increase the expression of cathepsin B in osteoblasts: The significance of ER stress in bone physiology. <i>Immunopharmacology and Immunotoxicology</i> , 2009, 31, 428-431.	1.1	10
82	Bax inhibitor 1 regulates ER-stress-induced ROS accumulation through the regulation of cytochrome P450 2E1. <i>Journal of Cell Science</i> , 2009, 122, 1126-1133.	1.2	99
83	Ca ²⁺ /H ⁺ antiporter-like activity of human recombinant Bax inhibitor-1 reconstituted into liposomes. <i>FEBS Journal</i> , 2009, 276, 2285-2291.	2.2	30
84	Bax inhibitor-1 overexpression reduces the suppressive effect of calcium mobilizing agent on adipogenesis. <i>International Journal of Biochemistry and Cell Biology</i> , 2009, 41, 1739-1745.	1.2	6
85	Refolding and reconstitution of human recombinant Bax inhibitor-1 into liposomes from inclusion bodies expressed in <i>Escherichia coli</i> . <i>Protein Expression and Purification</i> , 2009, 66, 35-38.	0.6	4
86	CO and bilirubin inhibit doxorubicin-induced cardiac cell death. <i>Immunopharmacology and Immunotoxicology</i> , 2009, 31, 64-70.	1.1	22
87	Protective effects of sodium para-amino salicylate on manganese-induced neuronal death: the involvement of reactive oxygen species. <i>Journal of Pharmacy and Pharmacology</i> , 2009, 61, 1563-1569.	1.2	8
88	Bax Inhibitor-1 Is a pH-dependent Regulator of Ca ²⁺ Channel Activity in the Endoplasmic Reticulum. <i>Journal of Biological Chemistry</i> , 2008, 283, 15946-15955.	1.6	101
89	Kaempferol Protects Ischemia/Reperfusion-Induced Cardiac Damage Through the Regulation of Endoplasmic Reticulum Stress. <i>Immunopharmacology and Immunotoxicology</i> , 2008, 30, 257-270.	1.1	57
90	Effect of High Molecular Weight Water-Soluble Chitosan on the Trabecular Bone and Thickness in Ovariectomized Rats. <i>Immunopharmacology and Immunotoxicology</i> , 2007, 29, 439-449.	1.1	4

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91	Bax Inhibitor-1 Regulates Endoplasmic Reticulum Stress-associated Reactive Oxygen Species and Heme Oxygenase-1 Expression. <i>Journal of Biological Chemistry</i> , 2007, 282, 21618-21628.	1.6	109
92	Interleukin-6 and Cyclic AMP Stimulate Release of Cathepsin B in Human Osteoblasts. <i>Immunopharmacology and Immunotoxicology</i> , 2007, 29, 155-172.	1.1	13
93	Effects of triglyceride on ER stress and insulin resistance. <i>Biochemical and Biophysical Research Communications</i> , 2007, 363, 140-145.	1.0	44
94	Plantainoside D protects adriamycin-induced apoptosis in H9c2 cardiac muscle cells via the inhibition of ROS generation and NF- κ B activation. <i>Life Sciences</i> , 2007, 80, 314-323.	2.0	57
95	Estrogen attenuates cardiac ischemia-reperfusion injury via inhibition of calpain-mediated bid cleavage. <i>Archives of Pharmacal Research</i> , 2007, 30, 1225-1235.	2.7	19
96	Dendroaspis natriuretic peptide protects the post-ischemic myocardial injury. <i>Regulatory Peptides</i> , 2006, 133, 13-19.	1.9	8
97	Protective effect of calceolarioside on adriamycin-induced cardiomyocyte toxicity. <i>European Journal of Pharmacology</i> , 2006, 541, 24-32.	1.7	28
98	Inhibitory effects of rosmarinic acid on adriamycin-induced apoptosis in H9c2 cardiac muscle cells by inhibiting reactive oxygen species and the activations of c-Jun N-terminal kinase and extracellular signal-regulated kinase. <i>Biochemical Pharmacology</i> , 2005, 70, 1066-1078.	2.0	106
99	Radiation Protects Adriamycin-Induced Apoptosis. <i>Immunopharmacology and Immunotoxicology</i> , 2005, 27, 211-232.	1.1	5
100	Saeng-Ji-Hwang has a protective effect on adriamycin-induced cytotoxicity in cardiac muscle cells. <i>Life Sciences</i> , 2005, 76, 2027-2042.	2.0	18
101	Signal transduction of the protective effect of insulin like growth factor-1 on adriamycin-Induced apoptosis in cardiac muscle cells. <i>Archives of Pharmacal Research</i> , 2004, 27, 324-333.	2.7	7
102	Salicylate Regulates COX-2 Expression Through ERK and Subsequent NF- κ B Activation in Osteoblasts. <i>Immunopharmacology and Immunotoxicology</i> , 2004, 26, 75-91.	1.1	14
103	N-Acetyl Cysteine Regulates TNF- α -Inhibited Differentiation in ROS 17/2.8 Osteoblasts. <i>Immunopharmacology and Immunotoxicology</i> , 2004, 26, 203-213.	1.1	7
104	BI-1 Regulates an Apoptosis Pathway Linked to Endoplasmic Reticulum Stress. <i>Molecular Cell</i> , 2004, 15, 355-366.	4.5	283
105	Ge-Jee-Bok-Ryung-Hwan induces apoptosis in human cervical carcinoma HeLa cells. <i>Life Sciences</i> , 2004, 75, 2997-3016.	2.0	2
106	Je-chun-jun induced apoptosis of human cervical carcinoma HeLa cells. <i>Acta Pharmacologica Sinica</i> , 2004, 25, 1372-9.	2.8	7
107	Evolutionarily conserved cytoprotection provided by Bax Inhibitor-1 homologs from animals, plants, and yeast. <i>Gene</i> , 2003, 323, 101-113.	1.0	181
108	Cyclic-AMP Inhibits Nitric Oxide-Induced Apoptosis in Human Osteoblast: The Regulation of Caspase-3, -6, -9 and the Release of Cytochrome c in Nitric Oxide-Induced Apoptosis by cAMP. <i>Biological and Pharmaceutical Bulletin</i> , 2001, 24, 453-460.	0.6	18

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109	ESTROGEN REGULATES CYTOKINE RELEASE IN HUMAN MAST CELLS. Immunopharmacology and Immunotoxicology, 2001, 23, 495-504.	1.1	52