

Han-Jung Chae

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106
papers

7,196
citations

27
h-index

84
g-index

112
ext. papers

8,401
ext. citations

5.7
avg, IF

5.5
L-index

#	Paper	IF	Citations
106	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
105	Endoplasmic Reticulum Stress and Associated ROS. <i>International Journal of Molecular Sciences</i> , 2016 , 17, 327	6.3	410
104	ER stress: Autophagy induction, inhibition and selection. <i>Autophagy</i> , 2015 , 11, 1956-1977	10.2	406
103	BI-1 regulates an apoptosis pathway linked to endoplasmic reticulum stress. <i>Molecular Cell</i> , 2004 , 15, 355-66	17.6	249
102	An involvement of oxidative stress in endoplasmic reticulum stress and its associated diseases. <i>International Journal of Molecular Sciences</i> , 2012 , 14, 434-56	6.3	247
101	Evolutionarily conserved cytoprotection provided by Bax Inhibitor-1 homologs from animals, plants, and yeast. <i>Gene</i> , 2003 , 323, 101-13	3.8	163
100	Bax inhibitor-1 regulates endoplasmic reticulum stress-associated reactive oxygen species and heme oxygenase-1 expression. <i>Journal of Biological Chemistry</i> , 2007 , 282, 21618-28	5.4	97
99	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, 1066-78	6	94
98	Sulforaphane protects ischemic injury of hearts through antioxidant pathway and mitochondrial K(ATP) channels. <i>Pharmacological Research</i> , 2010 , 61, 342-8	10.2	92
97	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, 15946-55	5.4	90
96	Bax inhibitor 1 regulates ER-stress-induced ROS accumulation through the regulation of cytochrome P450 2E1. <i>Journal of Cell Science</i> , 2009 , 122, 1126-33	5.3	86
95	Effects of Ficus carica paste on loperamide-induced constipation in rats. <i>Food and Chemical Toxicology</i> , 2012 , 50, 895-902	4.7	67
94	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	3.7	57
93	Plantainoside D protects adriamycin-induced apoptosis in H9c2 cardiac muscle cells via the inhibition of ROS generation and NF-kappaB activation. <i>Life Sciences</i> , 2007 , 80, 314-23	6.8	51
92	Estrogen regulates cytokine release in human mast cells. <i>Immunopharmacology and Immunotoxicology</i> , 2001 , 23, 495-504	3.2	47
91	Turmeric extract and its active compound, curcumin, protect against chronic CCl ₄ -induced liver damage by enhancing antioxidation. <i>BMC Complementary and Alternative Medicine</i> , 2016 , 16, 316	4.7	46
90	Kaempferol protects ischemia/reperfusion-induced cardiac damage through the regulation of endoplasmic reticulum stress. <i>Immunopharmacology and Immunotoxicology</i> , 2008 , 30, 257-70	3.2	44

89	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, 425-33	6.5	42
88	Metformin regulates palmitate-induced apoptosis and ER stress response in HepG2 liver cells. <i>Immunopharmacology and Immunotoxicology</i> , 2010 , 32, 251-7	3.2	42
87	IRE1 Implications in Endoplasmic Reticulum Stress-Mediated Development and Pathogenesis of Autoimmune Diseases. <i>Frontiers in Immunology</i> , 2018 , 9, 1289	8.4	38
86	Effects of triglyceride on ER stress and insulin resistance. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 363, 140-5	3.4	36
85	The aftermath of the interplay between the endoplasmic reticulum stress response and redox signaling. <i>Experimental and Molecular Medicine</i> , 2021 , 53, 151-167	12.8	33
84	Nox4 regulates the eNOS uncoupling process in aging endothelial cells. <i>Free Radical Biology and Medicine</i> , 2017 , 113, 26-35	7.8	31
83	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, 387-96	4	30
82	Eucommia ulmoides Oliver extract, aucubin, and geniposide enhance lysosomal activity to regulate ER stress and hepatic lipid accumulation. <i>PLoS ONE</i> , 2013 , 8, e81349	3.7	29
81	The imprint of salivary secretion in autoimmune disorders and related pathological conditions. <i>Autoimmunity Reviews</i> , 2018 , 17, 376-390	13.6	27
80	Bax inhibitor 1 increases cell adhesion through actin polymerization: involvement of calcium and actin binding. <i>Molecular and Cellular Biology</i> , 2010 , 30, 1800-13	4.8	27
79	Ca ²⁺ /H ⁺ antiporter-like activity of human recombinant Bax inhibitor-1 reconstituted into liposomes. <i>FEBS Journal</i> , 2009 , 276, 2285-91	5.7	27
78	Enhanced lysosomal activity is involved in Bax inhibitor-1-induced regulation of the endoplasmic reticulum (ER) stress response and cell death against ER stress: involvement of vacuolar H ⁺ -ATPase (V-ATPase). <i>Journal of Biological Chemistry</i> , 2011 , 286, 24743-53	5.4	27
77	Endoplasmic Reticulum (ER) Stress Response Failure in Diseases. <i>Trends in Cell Biology</i> , 2020 , 30, 672-675	18.3	26
76	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, 1305-17	5.6	25
75	Curcumin and Curcuma longa L. extract ameliorate lipid accumulation through the regulation of the endoplasmic reticulum redox and ER stress. <i>Scientific Reports</i> , 2017 , 7, 6513	4.9	24
74	Role of Endoplasmic Reticulum Stress Sensor IRE1 In Cellular Physiology, Calcium, ROS Signaling, and Metaflammation. <i>Cells</i> , 2020 , 9,	7.9	23
73	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	4.9	23
72	Protective effect of calceolarioside on adriamycin-induced cardiomyocyte toxicity. <i>European Journal of Pharmacology</i> , 2006 , 541, 24-32	5.3	23

71	CO and bilirubin inhibit doxorubicin-induced cardiac cell death. <i>Immunopharmacology and Immunotoxicology</i> , 2009 , 31, 64-70	3.2	20
70	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,	6.3	19
69	Estrogen attenuates cardiac ischemia-reperfusion injury via inhibition of calpain-mediated bid cleavage. <i>Archives of Pharmacal Research</i> , 2007 , 30, 1225-35	6.1	18
68	<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	7.5	18
67	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	4.7	17
66	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, 453-60	2.3	17
65	<i>Platycodi Radix</i> 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	4.7	17
64	<i>Ixeris dentata</i> 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,	6.3	16
63	Soybean greatly reduces valproic acid plasma concentrations: a food-drug interaction study. <i>Scientific Reports</i> , 2014 , 4, 4362	4.9	15
62	Saeng-Ji-Hwang has a protective effect on adriamycin-induced cytotoxicity in cardiac muscle cells. <i>Life Sciences</i> , 2005 , 76, 2027-42	6.8	15
61	TMBIM6/BI-1 contributes to cancer progression through assembly with mTORC2 and AKT activation. <i>Nature Communications</i> , 2020 , 11, 4012	17.4	15
60	Leaf Extract Ameliorates Steatosis Induced by High-fat Diet in Rats by Increasing Lysosomal Function. <i>Nutrients</i> , 2019 , 11,	6.7	15
59	<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, 739-49	4.7	14
58	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 , 11, 2605-2619	4.4	13
57	Endoplasmic reticulum stress in the regulation of liver diseases: Involvement of Regulated IRE1 α and Independent decay and miRNA. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2017 , 32, 981-991	4	13
56	<i>Eucommia ulmoides</i> cortex, geniposide and aucubin regulate lipotoxicity through the inhibition of lysosomal BAX. <i>PLoS ONE</i> , 2014 , 9, e88017	3.7	13
55	Bax inhibitor-1 regulates the expression of P450 2E1 through enhanced lysosome activity. <i>International Journal of Biochemistry and Cell Biology</i> , 2012 , 44, 600-11	5.6	13
54	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, 104-12	5.3	13

53	TMBIM6 (transmembrane BAX inhibitor motif containing 6) enhances autophagy through regulation of lysosomal calcium. <i>Autophagy</i> , 2021 , 17, 761-778	10.2	13
52	Glucose-lowering effect of powder on streptozotocin-induced diabetes through the AKT/mTOR pathway. <i>Food Science and Nutrition</i> , 2020 , 8, 402-409	3.2	12
51	PI3K β contributes to ER stress-associated asthma through ER-redox disturbances: the involvement of the RIDD-RIG-I-NF- κ B axis. <i>Experimental and Molecular Medicine</i> , 2018 , 50, e444	12.8	12
50	Interleukin-6 and cyclic AMP stimulate release of cathepsin B in human osteoblasts. <i>Immunopharmacology and Immunotoxicology</i> , 2007 , 29, 155-72	3.2	11
49	R. verniciflua and E. ulmoides Extract (ILF-RE) Protects against Chronic CCl $_4$ Induced Liver Damage by Enhancing Antioxidation. <i>Nutrients</i> , 2019 , 11,	6.7	11
48	Mulberry Extract Attenuates Endothelial Dysfunction through the Regulation of Uncoupling Endothelial Nitric Oxide Synthase in High Fat Diet Rats. <i>Nutrients</i> , 2019 , 11,	6.7	10
47	Effect of BI-1 on insulin resistance through regulation of CYP2E1. <i>Scientific Reports</i> , 2016 , 6, 32229	4.9	10
46	Ixeris dentata decreases ER stress and hepatic lipid accumulation through regulation of ApoB secretion. <i>The American Journal of Chinese Medicine</i> , 2014 , 42, 639-49	6	10
45	Salicylate regulates COX-2 expression through ERK and subsequent NF-kappaB activation in osteoblasts. <i>Immunopharmacology and Immunotoxicology</i> , 2004 , 26, 75-91	3.2	10
44	Ginsenoside Re Inhibits Osteoclast Differentiation in Mouse Bone Marrow-Derived Macrophages and Zebrafish Scale Model. <i>Molecules and Cells</i> , 2016 , 39, 855-861	3.5	10
43	Isolation of two new bioactive sesquiterpene lactone glycosides from the roots of Ixeris dentata. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015 , 25, 4562-6	2.9	9
42	extract regulates salivary secretion through the activation of aquaporin-5 and prevents diabetes-induced xerostomia. <i>Journal of Experimental Pharmacology</i> , 2017 , 9, 81-91	3	9
41	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, 1314-26	3.9	9
40	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, 428-31	3.2	9
39	The correlation of IRE1 β oxidation with Nox4 activation in aging-associated vascular dysfunction. <i>Redox Biology</i> , 2020 , 37, 101727	11.3	9
38	Anthocyanins attenuate endothelial dysfunction through regulation of uncoupling of nitric oxide synthase in aged rats. <i>Aging Cell</i> , 2020 , 19, e13279	9.9	9
37	Citrus Peel Extract Ameliorates High-Fat Diet-Induced NAFLD via Activation of AMPK Signaling. <i>Nutrients</i> , 2020 , 12,	6.7	8
36	Transmembrane BAX Inhibitor Motif-6 (TMBIM6) protects against cisplatin-induced testicular toxicity. <i>Human Reproduction</i> , 2018 , 33, 378-389	5.7	8

35	Dendroaspis natriuretic peptide protects the post-ischemic myocardial injury. <i>Regulatory Peptides</i> , 2006 , 133, 13-9		8
34	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, 1563-9	4.8	8
33	Potential Application of in the Prevention and Treatment of Aging-Induced Dry Mouth. <i>Nutrients</i> , 2018 , 10,	6.7	8
32	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	4.7	7
31	Je-chun-jun induced apoptosis of human cervical carcinoma HeLa cells. <i>Acta Pharmacologica Sinica</i> , 2004 , 25, 1372-9	8	7
30	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	5.1	6
29	In vitro assessments of bone microcomputed tomography in an aged male rat model supplemented with. <i>Saudi Journal of Biological Sciences</i> , 2018 , 25, 1135-1139	4	6
28	Proteomic profiling of differentially expressed proteins from Bax inhibitor-1 knockout and wild type mice. <i>Molecules and Cells</i> , 2012 , 34, 15-23	3.5	6
27	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, 1739-45	5.6	6
26	N-acetyl cysteine regulates TNF-alpha-inhibited differentiation in ROS 17/2.8 osteoblasts. <i>Immunopharmacology and Immunotoxicology</i> , 2004 , 26, 203-13	3.2	6
25	Radiation protects adriamycin-induced apoptosis. <i>Immunopharmacology and Immunotoxicology</i> , 2005 , 27, 211-32	3.2	5
24	Expression of TMBIM6 in Cancers: The Involvement of Sp1 and PKC. <i>Cancers</i> , 2019 , 11,	6.6	4
23	Effect of high molecular weight water-soluble chitosan on the trabecular bone and thickness in ovariectomized rats. <i>Immunopharmacology and Immunotoxicology</i> , 2007 , 29, 439-49	3.2	4
22	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, 324-33	6.1	4
21	Chalcone suppresses tumor growth through NOX4-IRE1 β -Sulfonation-RIDD-miR-23b axis. <i>Redox Biology</i> , 2021 , 40, 101853	11.3	4
20	An endoplasmic reticulum stress regulator, Tmbim6, modulates secretory stage of mice molar. <i>Journal of Cellular Physiology</i> , 2019 , 234, 20354-20365	7	3
19	Low-density lipoprotein particle size in hepatic steatosis and metabolic syndrome. <i>Diabetology and Metabolic Syndrome</i> , 2010 , 2, 18	5.6	3
18	Refolding and reconstitution of human recombinant Bax inhibitor-1 into liposomes from inclusion bodies expressed in Escherichia coli. <i>Protein Expression and Purification</i> , 2009 , 66, 35-8	2	3

17	Antioxidant, antibacterial, antidiarrheal and antipyretic activities of organic crude fractions of. <i>AYU: an International Quarterly Journal of Research in Ayurveda</i> , 2018 , 39, 101-106	0.3	3
16	and Extracts Improve Salivary Secretion Capability in Diabetes-Associated Dry Mouth Rat Model. <i>Nutrients</i> , 2020 , 12,	6.7	2
15	Porcine placenta hydrolysates regulate calcium disturbance in MC3T3-E1 osteoblastic cells. <i>BMC Complementary and Alternative Medicine</i> , 2016 , 16, 237	4.7	2
14	Effect of <i>Ficus carica</i> on Functional Constipation. <i>FASEB Journal</i> , 2010 , 24, lb348	0.9	2
13	Heat-inactivated <i>Lactobacillus plantarum</i> nF1 promotes intestinal health in Loperamide-induced constipation rats. <i>PLoS ONE</i> , 2021 , 16, e0250354	3.7	2
12	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	5.6	2
11	and 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	6	1
10	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	3.5	1
9	IBF-R Regulates IRE1 α Post-Translational Modifications and ER Stress in High-Fat Diet-Induced Obese Mice.. <i>Nutrients</i> , 2022 , 14,	6.7	1
8	BI-1 enhances Fas-induced cell death through a Na ⁺ /H ⁺ -associated mechanism. <i>BMB Reports</i> , 2014 , 47, 393-8	5.5	1
7	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	5.1	1
6	Isolation of amylase regulators from the leaves of. <i>Natural Product Research</i> , 2021 , 35, 744-749	2.3	1
5	TMBIM6 regulates redox-associated posttranslational modifications of IRE1 α and ER stress response failure in aging mice and humans. <i>Redox Biology</i> , 2021 , 47, 102128	11.3	1
4	Ginger extract controls mTOR-SREBP1-ER stress-mitochondria dysfunction through AMPK activation in obesity model. <i>Journal of Functional Foods</i> , 2021 , 87, 104628	5.1	0
3	N-Nitrosodimethylamine induced lung fibroblast cell death is associated with JNK activation. <i>Molecular and Cellular Toxicology</i> , 2012 , 8, 155-161	1.6	
2	Ge-Jee-Bok-Ryung-Hwan induces apoptosis in human cervical carcinoma HeLa cells--an endoplasmic reticulum stress pathway-. <i>Life Sciences</i> , 2004 , 75, 2997-3016	6.8	
1	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, lb298	0.9	