

# Han-Jung Chae

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	IBF-R Regulates IRE1 $\beta$ Post-Translational Modifications and ER Stress in High-Fat Diet-Induced Obese Mice.. <i>Nutrients</i> , <b>2022</b> , 14,	6.7	1
105	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> , <b>2021</b> , 87, 104804	5.1	1
104	Heat-inactivated <i>Lactobacillus plantarum</i> nF1 promotes intestinal health in Loperamide-induced constipation rats. <i>PLoS ONE</i> , <b>2021</b> , 16, e0250354	3.7	2
103	Chalcone suppresses tumor growth through NOX4-IRE1 $\beta$ sulfonation-RIDD-miR-23b axis. <i>Redox Biology</i> , <b>2021</b> , 40, 101853	11.3	4
102	Subnanometer Thick Carbon-Layer-Encapsulated Silver Nanoparticles Selectively Neutralizing Human Cancer Cells and Pathogens through Controlled Release of Ag <sup>+</sup> Ions. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 7295-7308	5.6	2
101	TMBIM6 (transmembrane BAX inhibitor motif containing 6) enhances autophagy through regulation of lysosomal calcium. <i>Autophagy</i> , <b>2021</b> , 17, 761-778	10.2	13
100	Isolation of amylase regulators from the leaves of. <i>Natural Product Research</i> , <b>2021</b> , 35, 744-749	2.3	1
99	The aftermath of the interplay between the endoplasmic reticulum stress response and redox signaling. <i>Experimental and Molecular Medicine</i> , <b>2021</b> , 53, 151-167	12.8	33
98	TMBIM6 regulates redox-associated posttranslational modifications of IRE1 $\beta$ and ER stress response failure in aging mice and humans. <i>Redox Biology</i> , <b>2021</b> , 47, 102128	11.3	1
97	Ginger extract controls mTOR-SREBP1-ER stress-mitochondria dysfunction through AMPK activation in obesity model. <i>Journal of Functional Foods</i> , <b>2021</b> , 87, 104628	5.1	0
96	and Extracts Improve Salivary Secretion Capability in Diabetes-Associated Dry Mouth Rat Model. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	2
95	Role of Endoplasmic Reticulum Stress Sensor IRE1 $\beta$ in Cellular Physiology, Calcium, ROS Signaling, and Metaflammation. <i>Cells</i> , <b>2020</b> , 9,	7.9	23
94	Citrus Peel Extract Ameliorates High-Fat Diet-Induced NAFLD via Activation of AMPK Signaling. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	8
93	Glucose-lowering effect of powder on streptozotocin-induced diabetes through the AKT/mTOR pathway. <i>Food Science and Nutrition</i> , <b>2020</b> , 8, 402-409	3.2	12
92	The correlation of IRE1 $\beta$ oxidation with Nox4 activation in aging-associated vascular dysfunction. <i>Redox Biology</i> , <b>2020</b> , 37, 101727	11.3	9
91	Anthocyanins attenuate endothelial dysfunction through regulation of uncoupling of nitric oxide synthase in aged rats. <i>Aging Cell</i> , <b>2020</b> , 19, e13279	9.9	9
90	TMBIM6/BI-1 contributes to cancer progression through assembly with mTORC2 and AKT activation. <i>Nature Communications</i> , <b>2020</b> , 11, 4012	17.4	15

89	Endoplasmic Reticulum (ER) Stress Response Failure in Diseases. <i>Trends in Cell Biology</i> , <b>2020</b> , 30, 672-675	8.3	26
88	and Protects Against High-Fat Diet-Induced Hepatic Steatosis by Enhancing Anti-Oxidation and AMPK Activation. <i>The American Journal of Chinese Medicine</i> , <b>2019</b> , 47, 1253-1270	6	1
87	Mulberry Extract Attenuates Endothelial Dysfunction through the Regulation of Uncoupling Endothelial Nitric Oxide Synthase in High Fat Diet Rats. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	10
86	An endoplasmic reticulum stress regulator, Tmbim6, modulates secretory stage of mice molar. <i>Journal of Cellular Physiology</i> , <b>2019</b> , 234, 20354-20365	7	3
85	Expression of TMBIM6 in Cancers: The Involvement of Sp1 and PKC. <i>Cancers</i> , <b>2019</b> , 11,	6.6	4
84	Leaf Extract Ameliorates Steatosis Induced by High-fat Diet in Rats by Increasing Lysosomal Function. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	15
83	R. verniciflua and E. ulmoides Extract (ILF-RE) Protects against Chronic CCl <sub>4</sub> Induced Liver Damage by Enhancing Antioxidation. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	11
82	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> , <b>2019</b> , 123, 412-423	4.7	17
81	The imprint of salivary secretion in autoimmune disorders and related pathological conditions. <i>Autoimmunity Reviews</i> , <b>2018</b> , 17, 376-390	13.6	27
80	PI3K $\beta$ contributes to ER stress-associated asthma through ER-redox disturbances: the involvement of the RIDD-RIG-I-NF- $\kappa$ B axis. <i>Experimental and Molecular Medicine</i> , <b>2018</b> , 50, e444	12.8	12
79	In vitro assessments of bone microcomputed tomography in an aged male rat model supplemented with. <i>Saudi Journal of Biological Sciences</i> , <b>2018</b> , 25, 1135-1139	4	6
78	Transmembrane BAX Inhibitor Motif-6 (TMBIM6) protects against cisplatin-induced testicular toxicity. <i>Human Reproduction</i> , <b>2018</b> , 33, 378-389	5.7	8
77	Compliance with Saliva Collection Protocol in Healthy Volunteers: Strategies for Managing Risk and Errors. <i>International Journal of Medical Sciences</i> , <b>2018</b> , 15, 823-831	3.7	57
76	IRE1 $\beta$ Implications in Endoplasmic Reticulum Stress-Mediated Development and Pathogenesis of Autoimmune Diseases. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 1289	8.4	38
75	Ilexis 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> , <b>2018</b> , 19,	6.3	16
74	Antioxidant, antibacterial, antidiarrheal and antipyretic activities of organic crude fractions of. <i>AYU: an International Quarterly Journal of Research in Ayurveda</i> , <b>2018</b> , 39, 101-106	0.3	3
73	Eucommia ulmoides leaf (EUL) extract enhances NO production in ox-LDL-treated human endothelial cells. <i>Biomedicine and Pharmacotherapy</i> , <b>2018</b> , 97, 1164-1172	7.5	18
72	Potential Application of in the Prevention and Treatment of Aging-Induced Dry Mouth. <i>Nutrients</i> , <b>2018</b> , 10,	6.7	8

71	Mulberry and its main components protect against oxidized low-density lipoprotein-induced endothelial nitric oxide synthase uncoupling. <i>Journal of Functional Foods</i> , <b>2017</b> , 29, 295-302	5.1	6
70	ECell 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> , <b>2017</b> , 17, 179	4.7	17
69	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> , <b>2017</b> , 11, 2605-2619	4.4	13
68	extract regulates salivary secretion through the activation of aquaporin-5 and prevents diabetes-induced xerostomia. <i>Journal of Experimental Pharmacology</i> , <b>2017</b> , 9, 81-91	3	9
67	Nox4 regulates the eNOS uncoupling process in aging endothelial cells. <i>Free Radical Biology and Medicine</i> , <b>2017</b> , 113, 26-35	7.8	31
66	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> , <b>2017</b> , 7, 6513	4.9	24
65	Endoplasmic reticulum stress in the regulation of liver diseases: Involvement of Regulated IRE1 $\alpha$ and Edependent decay and miRNA. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , <b>2017</b> , 32, 981-991	4	13
64	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> , <b>2017</b> , 18,	6.3	19
63	Turmeric extract and its active compound, curcumin, protect against chronic CCl <sub>4</sub> -induced liver damage by enhancing antioxidation. <i>BMC Complementary and Alternative Medicine</i> , <b>2016</b> , 16, 316	4.7	46
62	Effect of BI-1 on insulin resistance through regulation of CYP2E1. <i>Scientific Reports</i> , <b>2016</b> , 6, 32229	4.9	10
61	Porcine placenta hydrolysates regulate calcium disturbance in MC3T3-E1 osteoblastic cells. <i>BMC Complementary and Alternative Medicine</i> , <b>2016</b> , 16, 237	4.7	2
60	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , <b>2016</b> , 12, 1-222	10.2	3838
59	Ginsenoside Re Inhibits Osteoclast Differentiation in Mouse Bone Marrow-Derived Macrophages and Zebrafish Scale Model. <i>Molecules and Cells</i> , <b>2016</b> , 39, 855-861	3.5	10
58	Endoplasmic Reticulum Stress and Associated ROS. <i>International Journal of Molecular Sciences</i> , <b>2016</b> , 17, 327	6.3	410
57	Porcine placenta hydrolysates enhance osteoblast differentiation through their antioxidant activity and effects on ER stress. <i>BMC Complementary and Alternative Medicine</i> , <b>2016</b> , 16, 291	4.7	7
56	4-Phenylbutyric acid regulates CCl <sub>4</sub> -induced acute hepatic dyslipidemia in a mouse model: A mechanism-based PK/PD study. <i>European Journal of Pharmacology</i> , <b>2016</b> , 777, 104-12	5.3	13
55	Isolation of two new bioactive sesquiterpene lactone glycosides from the roots of <i>Ixeris dentata</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2015</b> , 25, 4562-6	2.9	9
54	ER stress: Autophagy induction, inhibition and selection. <i>Autophagy</i> , <b>2015</b> , 11, 1956-1977	10.2	406

53	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> , <b>2015</b> , 97, 425-33	6.5	42
52	Soybean greatly reduces valproic acid plasma concentrations: a food-drug interaction study. <i>Scientific Reports</i> , <b>2014</b> , 4, 4362	4.9	15
51	Bax inhibitor-1-mediated inhibition of mitochondrial Ca <sup>2+</sup> intake regulates mitochondrial permeability transition pore opening and cell death. <i>Scientific Reports</i> , <b>2014</b> , 4, 5194	4.9	23
50	Eucommia ulmoides cortex, geniposide and aucubin regulate lipotoxicity through the inhibition of lysosomal BAX. <i>PLoS ONE</i> , <b>2014</b> , 9, e88017	3.7	13
49	Ixeris dentata decreases ER stress and hepatic lipid accumulation through regulation of ApoB secretion. <i>The American Journal of Chinese Medicine</i> , <b>2014</b> , 42, 639-49	6	10
48	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> , <b>2014</b> , 89, 197-202	3.5	1
47	BI-1 enhances Fas-induced cell death through a Na <sup>+</sup> /H <sup>+</sup> -associated mechanism. <i>BMB Reports</i> , <b>2014</b> , 47, 393-8	5.5	1
46	Ixeris dentata-induced regulation of amylase synthesis and secretion in glucose-treated human salivary gland cells. <i>Food and Chemical Toxicology</i> , <b>2013</b> , 62, 739-49	4.7	14
45	Eucommia ulmoides Oliver extract, aucubin, and geniposide enhance lysosomal activity to regulate ER stress and hepatic lipid accumulation. <i>PLoS ONE</i> , <b>2013</b> , 8, e81349	3.7	29
44	Doxorubicin- and daunorubicin-induced regulation of Ca <sup>2+</sup> and H <sup>+</sup> fluxes through human bax inhibitor-1 reconstituted into membranes. <i>Journal of Pharmaceutical Sciences</i> , <b>2012</b> , 101, 1314-26	3.9	9
43	An involvement of oxidative stress in endoplasmic reticulum stress and its associated diseases. <i>International Journal of Molecular Sciences</i> , <b>2012</b> , 14, 434-56	6.3	247
42	Proteomic profiling of differentially expressed proteins from Bax inhibitor-1 knockout and wild type mice. <i>Molecules and Cells</i> , <b>2012</b> , 34, 15-23	3.5	6
41	Effects of Ficus carica paste on loperamide-induced constipation in rats. <i>Food and Chemical Toxicology</i> , <b>2012</b> , 50, 895-902	4.7	67
40	Bax inhibitor-1 regulates the expression of P450 2E1 through enhanced lysosome activity. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2012</b> , 44, 600-11	5.6	13
39	N-Nitrosodimethylamine induced lung fibroblast cell death is associated with JNK activation. <i>Molecular and Cellular Toxicology</i> , <b>2012</b> , 8, 155-161	1.6	
38	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> , <b>2011</b> , 43, 1305-17	5.6	25
37	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 <sup>+</sup> -ATPase (V-ATPase). <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 24743-53	5.4	27
36	Neuroprotective effect of Gastrodia elata 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> , <b>2011</b> , 25, lb298	0.9	

35	Bax inhibitor 1 increases cell adhesion through actin polymerization: involvement of calcium and actin binding. <i>Molecular and Cellular Biology</i> , <b>2010</b> , 30, 1800-13	4.8	27
34	Sulforaphane protects ischemic injury of hearts through antioxidant pathway and mitochondrial K(ATP) channels. <i>Pharmacological Research</i> , <b>2010</b> , 61, 342-8	10.2	92
33	Low-density lipoprotein particle size in hepatic steatosis and metabolic syndrome. <i>Diabetology and Metabolic Syndrome</i> , <b>2010</b> , 2, 18	5.6	3
32	Metformin regulates palmitate-induced apoptosis and ER stress response in HepG2 liver cells. <i>Immunopharmacology and Immunotoxicology</i> , <b>2010</b> , 32, 251-7	3.2	42
31	Cardiolipin, phosphatidylserine, and BH4 domain of Bcl-2 family regulate Ca <sup>2+</sup> /H <sup>+</sup> antiporter activity of human Bax inhibitor-1. <i>Cell Calcium</i> , <b>2010</b> , 47, 387-96	4	30
30	Effect of Ficus carica on Functional Constipation. <i>FASEB Journal</i> , <b>2010</b> , 24, lb348	0.9	2
29	Acidic pH environments increase the expression of cathepsin B in osteoblasts: the significance of ER stress in bone physiology. <i>Immunopharmacology and Immunotoxicology</i> , <b>2009</b> , 31, 428-31	3.2	9
28	Bax inhibitor 1 regulates ER-stress-induced ROS accumulation through the regulation of cytochrome P450 2E1. <i>Journal of Cell Science</i> , <b>2009</b> , 122, 1126-33	5.3	86
27	Ca <sup>2+</sup> /H <sup>+</sup> antiporter-like activity of human recombinant Bax inhibitor-1 reconstituted into liposomes. <i>FEBS Journal</i> , <b>2009</b> , 276, 2285-91	5.7	27
26	Bax inhibitor-1 overexpression reduces the suppressive effect of calcium mobilizing agent on adipogenesis. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2009</b> , 41, 1739-45	5.6	6
25	Refolding and reconstitution of human recombinant Bax inhibitor-1 into liposomes from inclusion bodies expressed in Escherichia coli. <i>Protein Expression and Purification</i> , <b>2009</b> , 66, 35-8	2	3
24	CO and bilirubin inhibit doxorubicin-induced cardiac cell death. <i>Immunopharmacology and Immunotoxicology</i> , <b>2009</b> , 31, 64-70	3.2	20
23	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> , <b>2009</b> , 61, 1563-9	4.8	8
22	Kaempferol protects ischemia/reperfusion-induced cardiac damage through the regulation of endoplasmic reticulum stress. <i>Immunopharmacology and Immunotoxicology</i> , <b>2008</b> , 30, 257-70	3.2	44
21	Bax Inhibitor-1 Is a pH-dependent regulator of Ca <sup>2+</sup> channel activity in the endoplasmic reticulum. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 15946-55	5.4	90
20	Estrogen attenuates cardiac ischemia-reperfusion injury via inhibition of calpain-mediated bid cleavage. <i>Archives of Pharmacal Research</i> , <b>2007</b> , 30, 1225-35	6.1	18
19	Effect of high molecular weight water-soluble chitosan on the trabecular bone and thickness in ovariectomized rats. <i>Immunopharmacology and Immunotoxicology</i> , <b>2007</b> , 29, 439-49	3.2	4
18	Bax inhibitor-1 regulates endoplasmic reticulum stress-associated reactive oxygen species and heme oxygenase-1 expression. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 21618-28	5.4	97

17	Interleukin-6 and cyclic AMP stimulate release of cathepsin B in human osteoblasts. <i>Immunopharmacology and Immunotoxicology</i> , <b>2007</b> , 29, 155-72	3.2	11
16	Effects of triglyceride on ER stress and insulin resistance. <i>Biochemical and Biophysical Research Communications</i> , <b>2007</b> , 363, 140-5	3.4	36
15	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> , <b>2007</b> , 80, 314-23	6.8	51
14	Protective effect of calceolarioside on adriamycin-induced cardiomyocyte toxicity. <i>European Journal of Pharmacology</i> , <b>2006</b> , 541, 24-32	5.3	23
13	Dendroaspis natriuretic peptide protects the post-ischemic myocardial injury. <i>Regulatory Peptides</i> , <b>2006</b> , 133, 13-9		8
12	Radiation protects adriamycin-induced apoptosis. <i>Immunopharmacology and Immunotoxicology</i> , <b>2005</b> , 27, 211-32	3.2	5
11	Saeng-Ji-Hwang has a protective effect on adriamycin-induced cytotoxicity in cardiac muscle cells. <i>Life Sciences</i> , <b>2005</b> , 76, 2027-42	6.8	15
10	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> , <b>2005</b> , 70, 1066-78	6	94
9	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> , <b>2004</b> , 27, 324-33	6.1	4
8	Salicylate regulates COX-2 expression through ERK and subsequent NF-kappaB activation in osteoblasts. <i>Immunopharmacology and Immunotoxicology</i> , <b>2004</b> , 26, 75-91	3.2	10
7	N-acetyl cysteine regulates TNF-alpha-inhibited differentiation in ROS 17/2.8 osteoblasts. <i>Immunopharmacology and Immunotoxicology</i> , <b>2004</b> , 26, 203-13	3.2	6
6	BI-1 regulates an apoptosis pathway linked to endoplasmic reticulum stress. <i>Molecular Cell</i> , <b>2004</b> , 15, 355-66	17.6	249
5	Ge-Jee-Bok-Ryung-Hwan induces apoptosis in human cervical carcinoma HeLa cells--an endoplasmic reticulum stress pathway-. <i>Life Sciences</i> , <b>2004</b> , 75, 2997-3016	6.8	
4	Je-chun-jun induced apoptosis of human cervical carcinoma HeLa cells. <i>Acta Pharmacologica Sinica</i> , <b>2004</b> , 25, 1372-9	8	7
3	Evolutionarily conserved cytoprotection provided by Bax Inhibitor-1 homologs from animals, plants, and yeast. <i>Gene</i> , <b>2003</b> , 323, 101-13	3.8	163
2	Estrogen regulates cytokine release in human mast cells. <i>Immunopharmacology and Immunotoxicology</i> , <b>2001</b> , 23, 495-504	3.2	47
1	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> , <b>2001</b> , 24, 453-60	2.3	17