

# Wei-Wen Kuo

## List of Publications by Year in descending order

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207  
papers

5,655  
citations

76196

40  
h-index

149479

56  
g-index

208  
all docs

208  
docs citations

208  
times ranked

6947  
citing authors

#	ARTICLE	IF	CITATIONS
1	Differential Effects of Garlic Oil and Its Three Major Organosulfur Components on the Hepatic Detoxification System in Rats. <i>Journal of Agricultural and Food Chemistry</i> , 2002, 50, 378-383.	2.4	153
2	Antioxidant effects of diallyl trisulfide on high glucose-induced apoptosis are mediated by the PI3K/Akt-dependent activation of Nrf2 in cardiomyocytes. <i>International Journal of Cardiology</i> , 2013, 168, 1286-1297.	0.8	134
3	Oxaliplatin resistance in colorectal cancer cells is mediated via activation of ABCG2 to alleviate ER stress induced apoptosis. <i>Journal of Cellular Physiology</i> , 2018, 233, 5458-5467.	2.0	119
4	Roles of insulin-like growth factor II in cardiomyoblast apoptosis and in hypertensive rat heart with abdominal aorta ligation. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2006, 291, E306-E314.	1.8	98
5	NADPH oxidase-derived superoxide Anion-induced apoptosis is mediated via the JNK-dependent activation of NF- $\kappa$ B in cardiomyocytes exposed to high glucose. <i>Journal of Cellular Physiology</i> , 2012, 227, 1347-1357.	2.0	97
6	Akt mediates 17 $\beta$ -estradiol and/or estrogen receptor $\alpha$ inhibition of LPS-induced tumor necrosis factor $\alpha$ expression and myocardial cell apoptosis by suppressing the JNK1/2/NF- $\kappa$ B pathway. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 3655-3667.	1.6	89
7	IGF-II/mannose-6-phosphate receptor signaling induced cell hypertrophy and atrial natriuretic peptide/BNP expression via G $\alpha$ q interaction and protein kinase C- $\beta$ /CaMKII activation in H9c2 cardiomyoblast cells. <i>Journal of Endocrinology</i> , 2008, 197, 381-390.	1.2	86
8	Diallyl trisulfide (DATS) suppresses high glucose-induced cardiomyocyte apoptosis by inhibiting JNK/NF- $\kappa$ B signaling via attenuating ROS generation. <i>International Journal of Cardiology</i> , 2013, 168, 270-280.	0.8	86
9	High-density lipoprotein ameliorates palmitic acid-induced lipotoxicity and oxidative dysfunction in H9c2 cardiomyoblast cells via ROS suppression. <i>Nutrition and Metabolism</i> , 2019, 16, 36.	1.3	82
10	Resveratrol enhanced FOXO3 phosphorylation via synergetic activation of SIRT1 and PI3K/Akt signaling to improve the effects of exercise in elderly rat hearts. <i>Age</i> , 2014, 36, 9705.	3.0	76
11	Swimming exercise stimulates IGF1/ PI3K/Akt and AMPK/SIRT1/PGC1 $\alpha$ survival signaling to suppress apoptosis and inflammation in aging hippocampus. <i>Aging</i> , 2020, 12, 6852-6864.	1.4	76
12	Inhibitory effect of alpinate <i>Oxyphyllae fructus</i> extracts on Ang II-induced cardiac pathological		

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19	Exercise training enhanced SIRT1 longevity signaling replaces the IGF1 survival pathway to attenuate aging-induced rat heart apoptosis. <i>Age</i> , 2014, 36, 9706.	3.0	59
20	CXCL2/CXCR2 axis induces cancer stem cell characteristics in CPT11-resistant LoVo colon cancer cells via $\text{G}\beta\text{1}\beta\text{2}$ and $\text{G}\beta\text{q}/11$ . <i>Journal of Cellular Physiology</i> , 2019, 234, 11822-11834.	2.0	59
21	Activation of Insulin-Like Growth Factor II Receptor Induces Mitochondrial-Dependent Apoptosis through $\text{G}\beta\text{q}$ and Downstream Calcineurin Signaling in Myocardial Cells. <i>Endocrinology</i> , 2009, 150, 2723-2731.	1.4	58
22	FOXC1 Regulation of miR-31-5p Confers Oxaliplatin Resistance by Targeting LATS2 in Colorectal Cancer. <i>Cancers</i> , 2019, 11, 1576.	1.7	58
23	Purple rice anthocyanin extract protects cardiac function in STZ-induced diabetes rat hearts by inhibiting cardiac hypertrophy and fibrosis. <i>Journal of Nutritional Biochemistry</i> , 2016, 31, 98-105.	1.9	57
24	Exercise training augments Sirt1-signaling and attenuates cardiac inflammation in D-galactose induced-aging rats. <i>Aging</i> , 2018, 10, 4166-4174.	1.4	56
25	Thymoquinone suppresses migration of LoVo human colon cancer cells by reducing prostaglandin E2 induced COX-2 activation. <i>World Journal of Gastroenterology</i> , 2017, 23, 1171.	1.4	55
26	Eccentric cardiac hypertrophy was induced by long-term intermittent hypoxia in rats. <i>Experimental Physiology</i> , 2007, 92, 409-416.	0.9	53
27	Lipopolysaccharide induces cellular hypertrophy through calcineurin/NFAT-3 signaling pathway in H9c2 myocardial cells. <i>Molecular and Cellular Biochemistry</i> , 2008, 313, 167-178.	1.4	51
28	Inhibition of ERK-Drp1 signaling and mitochondria fragmentation alleviates IGF-IIR-induced mitochondria dysfunction during heart failure. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 122, 58-68.	0.9	50
29	Heat Killed <i>Lactobacillus reuteri</i> GMNL-263 Reduces Fibrosis Effects on the Liver and Heart in High Fat Diet-Hamsters via $\text{TGF-}\beta\text{2}$ Suppression. <i>International Journal of Molecular Sciences</i> , 2015, 16, 25881-25896.	1.8	48
30	Synergistic effect of HIF-1 $\alpha$ and FoxO3a trigger cardiomyocyte apoptosis under hyperglycemic ischemia condition. <i>Journal of Cellular Physiology</i> , 2018, 233, 3660-3671.	2.0	48
31	Ellagic Acid Inhibits Oxidized Low-Density Lipoprotein (OxLDL)-Induced Metalloproteinase (MMP) Expression by Modulating the Protein Kinase C- $\beta$ /Extracellular Signal-Regulated Kinase/Peroxisome Proliferator-Activated Receptor $\beta$ /Nuclear Factor- $\kappa$ B (PKC- $\beta$ /ERK/PPAR- $\beta$ /NF- $\kappa$ B) Signaling Pathway in Endothelial Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 5100-5108.	2.4	47
32	Mitochondrial ROS-induced ERK1/2 activation and HSF2-mediated AT<sub>1</sub>R upregulation are required for doxorubicin-induced cardiotoxicity. <i>Journal of Cellular Physiology</i> , 2018, 233, 463-475.	2.0	47
33	Inhibition of NF- $\kappa$ B and metastasis in irinotecan (CPT11)-resistant LoVo colon cancer cells by thymoquinone via JNK and p38. <i>Environmental Toxicology</i> , 2017, 32, 669-678.	2.1	46
34	Apoptotic effects of over-expressed estrogen receptor-beta on LoVo colon cancer cell is mediated by p53 signalings in a ligand-dependent manner. <i>Chinese Journal of Physiology</i> , 2006, 49, 110-6.	0.4	45
35	Lipopolysaccharide upregulates uPA, MMP-2 and MMP-9 via ERK1/2 signaling in H9c2 cardiomyoblast cells. <i>Molecular and Cellular Biochemistry</i> , 2009, 325, 15-23.	1.4	44
36	Cardiac Fas-dependent and mitochondria-dependent apoptosis in ovariectomized rats. <i>Maturitas</i> , 2008, 61, 268-277.	1.0	43

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37	Effects of short- and long-term hypobaric hypoxia on Bcl2 family in rat heart. <i>International Journal of Cardiology</i> , 2006, 108, 376-384.	0.8	42
38	Hypoxia suppresses myocardial survival pathway through HIF-1 $\pm$ -IGFBP-3-dependent signaling and enhances cardiomyocyte autophagic and apoptotic effects mainly via FoxO3a-induced BNIP3 expression. <i>Growth Factors</i> , 2016, 34, 73-86.	0.5	42
39	Oolong tea prevents cardiomyocyte loss against hypoxia by attenuating p $\hat{c}$ INK mediated hypertrophy and enhancing p $\hat{c}$ IGF1R, p $\hat{c}$ akt, and p $\hat{c}$ Bad <sup>ser136</sup> activity and by fortifying NRF2 antioxidation system. <i>Environmental Toxicology</i> , 2018, 33, 220-233.	2.1	42
40	Effects of long-term intermittent hypoxia on mitochondrial and Fas death receptor dependent apoptotic pathways in rat hearts. <i>International Journal of Cardiology</i> , 2007, 116, 348-356.	0.8	41
41	Tetramethylpyrazine Ameliorated Hypoxia-Induced Myocardial Cell Apoptosis via HIF-1 $\pm$ /JNK/p38 and IGFBP3/BNIP3 Inhibition to Upregulate PI3K/Akt Survival Signaling. <i>Cellular Physiology and Biochemistry</i> , 2015, 36, 334-344.	1.1	41
42	P $\hat{c}$ cl $\hat{c}$ Activation is Involved in ROS-Mediated Mitochondrial Dysfunction and Apoptosis in Cardiomyocytes Exposed to Advanced Glycation End Products (Ages)., 2018, 9, 647.		41
43	Diallyl trisulfide and diallyl disulfide ameliorate cardiac dysfunction by suppressing apoptotic and enhancing survival pathways in experimental diabetic rats. <i>Journal of Applied Physiology</i> , 2013, 114, 402-410.	1.2	40
44	Cardiac Fas Receptor $\hat{c}$ dependent Apoptotic Pathway in Obese Zucker Rats. <i>Obesity</i> , 2007, 15, 2407-2415.	1.5	39
45	Diallyl trisulfide suppresses doxorubicin $\hat{c}$ induced cardiomyocyte apoptosis by inhibiting MAPK/NF $\hat{c}$ B signaling through attenuation of ROS generation. <i>Environmental Toxicology</i> , 2018, 33, 93-103.	2.1	39
46	Hypoxia-induced compensatory effect as related to Shh and HIF-1 $\pm$ in ischemia embryo rat heart. <i>Molecular and Cellular Biochemistry</i> , 2008, 311, 179-187.	1.4	38
47	Anti-Apoptotic and Pro-Survival Effect of Alpinate Oxyphyllae Fructus (AOF) in a d-Galactose-Induced Aging Heart. <i>International Journal of Molecular Sciences</i> , 2016, 17, 466.	1.8	38
48	More Activated Cardiac Mitochondrial $\hat{c}$ dependent Apoptotic Pathway in Obese Zucker Rats. <i>Obesity</i> , 2007, 15, 2634-2642.	1.5	37
49	IGF-II/mannose 6-phosphate receptor activation induces metalloproteinase-9 matrix activity and increases plasminogen activator expression in H9c2 cardiomyoblast cells. <i>Journal of Molecular Endocrinology</i> , 2008, 41, 65-74.	1.1	37
50	Andrographis paniculata extract attenuates pathological cardiac hypertrophy and apoptosis in high-fat diet fed mice. <i>Journal of Ethnopharmacology</i> , 2016, 192, 170-177.	2.0	37
51	Doxorubicin attenuates CHIP-guarded HSF1 nuclear translocation and protein stability to trigger IGF-IIR-dependent cardiomyocyte death. <i>Cell Death and Disease</i> , 2016, 7, e2455-e2455.	2.7	37
52	Garlic Oil Alleviates MAPKs- and IL-6-mediated Diabetes-related Cardiac Hypertrophy in STZ-induced DM Rats. <i>Evidence-based Complementary and Alternative Medicine</i> , 2011, 2011, 1-11.	0.5	36
53	Multi-Strain Probiotics Inhibit Cardiac Myopathies and Autophagy to Prevent Heart Injury in High-Fat Diet-Fed Rats. <i>International Journal of Medical Sciences</i> , 2016, 13, 277-285.	1.1	36
54	ZAK re-programs atrial natriuretic factor expression and induces hypertrophic growth in H9c2 cardiomyoblast cells. <i>Biochemical and Biophysical Research Communications</i> , 2004, 324, 973-980.	1.0	35

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55	Cardiomyoblast apoptosis induced by insulin-like growth factor (IGF)-I resistance is IGF-II dependent and synergistically enhanced by angiotensin II. Apoptosis: an International Journal on Programmed Cell Death, 2006, 11, 1075-1089.	2.2	35
56	Crude extracts of Solanum lyratum protect endothelial cells against oxidized low-density lipoprotein-induced injury by direct antioxidant action. Journal of Vascular Surgery, 2009, 50, 849-860.	0.6	35
57	$\beta$ -catenin plays a key role in metastasis of human hepatocellular carcinoma. Oncology Reports, 2011, 26, 415-22.	1.2	35
58	Estrogen receptor $\beta$ (ESR1) over-expression mediated apoptosis in Hep3B cells by binding with SP1 proteins. Journal of Molecular Endocrinology, 2013, 51, 203-212.	1.1	35
59	Cardiac Contractile Dysfunction and Apoptosis in Streptozotocin-Induced Diabetic Rats Are Ameliorated by Garlic Oil Supplementation. Journal of Agricultural and Food Chemistry, 2010, 58, 10347-10355.	2.4	34
60	p53-mediated miR-18 repression activates HSF2 for IGF-IIR-dependent myocyte hypertrophy in hypertension-induced heart failure. Cell Death and Disease, 2017, 8, e2990-e2990.	2.7	34
61	Transforming growth factor- $\beta$ 2 induces the expression of ANF and hypertrophic growth in cultured cardiomyoblast cells through ZAK. Biochemical and Biophysical Research Communications, 2004, 324, 424-431.	1.0	33
62	Galangin Reverses H <sub>2</sub> O <sub>2</sub> -Induced Dermal Fibroblast Senescence via SIRT1-PGC-1 $\beta$ /Nrf2 Signaling. International Journal of Molecular Sciences, 2022, 23, 1387.	1.8	33
63	Tanshinone IIA Prevents Leu27IGF-II-Induced Cardiomyocyte Hypertrophy Mediated by Estrogen Receptor and Subsequent Akt Activation. The American Journal of Chinese Medicine, 2015, 43, 1567-1591.	1.5	32
64	Proliferation and migration enhancing effects of ginseng and ginsenoside Rg1 through IGF-I and FGF-2 signaling pathways on RSC96 Schwann cells. Cell Biochemistry and Function, 2009, 27, 186-192.	1.4	31
65	Protocatechuic Acid from <i>Alpinia oxyphylla</i> Induces Schwann Cell Migration via ERK1/2, JNK and p38 Activation. The American Journal of Chinese Medicine, 2015, 43, 653-665.	1.5	31
66	Luteolin: A Natural Flavonoid Enhances the Survival of HUVECs against Oxidative Stress by Modulating AMPK/PKC Pathway. The American Journal of Chinese Medicine, 2019, 47, 541-557.	1.5	31
67	HSF1 phosphorylation by ERK/GSK3 suppresses RNF126 to sustain IGF-IIR expression for hypertension-induced cardiomyocyte hypertrophy. Journal of Cellular Physiology, 2018, 233, 979-989.	2.0	30
68	Bioactive Peptide Improves Diet-Induced Hepatic Fat Deposition and Hepatocyte Proinflammatory Response in SAMP8 Ageing Mice. Cellular Physiology and Biochemistry, 2018, 48, 1942-1952.	1.1	30
69	Antioxidant Sirt1/Akt axis expression in resveratrol pretreated adipose-derived stem cells increases regenerative capability in a rat model with cardiomyopathy induced by diabetes mellitus. Journal of Cellular Physiology, 2021, 236, 4290-4302.	2.0	30
70	Anti-apoptotic and pro-survival effect of protocatechuic acid on hypertensive hearts. Chemico-Biological Interactions, 2014, 209, 77-84.	1.7	29
71	Anthocyanin Attenuates Doxorubicin-Induced Cardiomyotoxicity via Estrogen Receptor- $\beta$ / $\beta$ 2 and Stabilizes HSF1 to Inhibit the IGF-IIR Apoptotic Pathway. International Journal of Molecular Sciences, 2016, 17, 1588.	1.8	29
72	Inhibition of HSF2 SUMOylation via MEL18 upregulates IGF-IIR and leads to hypertension-induced cardiac hypertrophy. International Journal of Cardiology, 2018, 257, 283-290.	0.8	29

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73	17 $\beta$ -Estradiol reduces cardiac hypertrophy mediated through the up-regulation of PI3K/Akt and the suppression of calcineurin/NF-AT3 signaling pathways in rats. <i>Life Sciences</i> , 2005, 78, 347-356.	2.0	28
74	GABA tea prevents cardiac fibrosis by attenuating TNF-alpha and Fas/FasL-mediated apoptosis in streptozotocin-induced diabetic rats. <i>Food and Chemical Toxicology</i> , 2014, 65, 90-96.	1.8	28
75	ROS and HIF1 $\alpha$ -dependent IGFBP3 upregulation blocks IGF1 survival signaling and thereby mediates high-glucose-induced cardiomyocyte apoptosis. <i>Journal of Cellular Physiology</i> , 2019, 234, 13557-13570.	2.0	28
76	Second-Hand Smoke-Induced Cardiac Fibrosis Is Related to the Fas Death Receptor Apoptotic Pathway without Mitochondria-Dependent Pathway Involvement in Rats. <i>Environmental Health Perspectives</i> , 2005, 113, 1349-1353.	2.8	27
77	Effects of insulin replacement on cardiac apoptotic and survival pathways in streptozotocin-induced diabetic rats. <i>Cell Biochemistry and Function</i> , 2009, 27, 479-487.	1.4	27
78	Protective effect of Danggui (Radix Angelicae Sinensis) on angiotensin II-induced apoptosis in H9c2 cardiomyoblast cells. <i>BMC Complementary and Alternative Medicine</i> , 2014, 14, 358.	3.7	27
79	Galangin suppresses H <sub>2</sub> O <sub>2</sub> -induced aging in human dermal fibroblasts. <i>Environmental Toxicology</i> , 2017, 32, 2419-2427.	2.1	27
80	Platycodin D Reverses Pathological Cardiac Hypertrophy and Fibrosis in Spontaneously Hypertensive Rats. <i>The American Journal of Chinese Medicine</i> , 2018, 46, 537-549.	1.5	27
81	Resistance to irinotecan (CPT-11) activates epidermal growth factor receptor/nuclear factor kappa B and increases cellular metastasis and autophagy in LoVo colon cancer cells. <i>Cancer Letters</i> , 2014, 349, 51-60.	3.2	26
82	The soybean bioactive peptide VHWV alleviates hypertension-induced renal damage in hypertensive rats via the SIRT1-PGC1 $\alpha$ /Nrf2 pathway. <i>Journal of Functional Foods</i> , 2020, 75, 104255.	1.6	26
83	Protective effects of diallyl trisulfide (DATS) against doxorubicin-induced inflammation and oxidative stress in the brain of rats. <i>Free Radical Biology and Medicine</i> , 2020, 160, 141-148.	1.3	26
84	ZAK induces MMP-2 activity via JNK/p38 signals and reduces MMP-9 activity by increasing TIMP-1/2 expression in H9c2 cardiomyoblast cells. <i>Molecular and Cellular Biochemistry</i> , 2009, 325, 69-77.	1.4	25
85	Moderate exercise training attenuates aging-induced cardiac inflammation, hypertrophy and fibrosis injuries of rat hearts. <i>Oncotarget</i> , 2015, 6, 35383-35394.	0.8	25
86	Rab9-dependent autophagy is required for the IGF1R triggering mitophagy to eliminate damaged mitochondria. <i>Journal of Cellular Physiology</i> , 2018, 233, 7080-7091.	2.0	25
87	Over-expressed estrogen receptor- $\alpha$ up-regulates hTNF- $\alpha$ gene expression and down-regulates $\beta$ -catenin signaling activity to induce the apoptosis and inhibit proliferation of LoVo colon cancer cells. <i>Molecular and Cellular Biochemistry</i> , 2006, 289, 101-109.	1.4	24
88	JNK suppression is essential for 17 $\beta$ -Estradiol inhibits prostaglandin E2-Induced uPA and MMP-9 expressions and cell migration in human LoVo colon cancer cells. <i>Journal of Biomedical Science</i> , 2011, 18, 61.	2.6	24
89	Supplementary heat-killed <i>Lactobacillus reuteri</i> GMNL-263 ameliorates hyperlipidaemic and cardiac apoptosis in high-fat diet-fed hamsters to maintain cardiovascular function. <i>British Journal of Nutrition</i> , 2015, 114, 706-712.	1.2	24
90	Effect of Vasicinone against Paraquat-Induced MAPK/p53-Mediated Apoptosis via the IGF-1R/PI3K/AKT Pathway in a Parkinson's Disease-Associated SH-SY5Y Cell Model. <i>Nutrients</i> , 2019, 11, 1655.	1.7	24

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91	Serum insulin-like growth factor-axis and matrix metalloproteinases in patients with rheumatic arthritis or rheumatic heart disease. <i>Clinica Chimica Acta</i> , 2006, 367, 62-68.	0.5	23
92	Pro-inflammatory states and IGF-I level in ischemic heart disease with low or high serum iron. <i>Clinica Chimica Acta</i> , 2006, 370, 50-56.	0.5	23
93	E4BP4 is a cardiac survival factor and essential for embryonic heart development. <i>Molecular and Cellular Biochemistry</i> , 2010, 340, 187-194.	1.4	23
94	Platycodon grandiflorum (PG) reverses angiotensin II-induced apoptosis by repressing IGF-IIR expression. <i>Journal of Ethnopharmacology</i> , 2017, 205, 41-50.	2.0	23
95	Cardioprotective potential of amygdalin against angiotensin II induced cardiac hypertrophy, oxidative stress and inflammatory responses through modulation of Nrf2 and NF- $\kappa$ B activation. <i>Environmental Toxicology</i> , 2021, 36, 926-934.	2.1	23
96	Danshen mediates through estrogen receptors to activate Akt and inhibit apoptosis effect of Leu27IGF-II-induced IGF-II receptor signaling activation in cardiomyoblasts. <i>Food and Chemical Toxicology</i> , 2013, 56, 28-39.	1.8	22
97	Insulin-like growth factor II receptor-1 $\beta$ is a novel stress-inducible contributor to cardiac damage underpinning doxorubicin-induced oxidative stress and perturbed mitochondrial autophagy. <i>American Journal of Physiology - Cell Physiology</i> , 2019, 317, C235-C243.	2.1	22
98	Estradiol agonists inhibit human LoVo colorectal-cancer cell proliferation and migration through p53. <i>World Journal of Gastroenterology</i> , 2014, 20, 16665.	1.4	22
99	Impaired IGF-I signalling of hypertrophic hearts in the developmental phase of hypertension in genetically hypertensive rats. <i>Cell Biochemistry and Function</i> , 2005, 23, 325-331.	1.4	21
100	Nrf2 Activation as a Protective Feedback to Limit Cell Death in High Glucose-Exposed Cardiomyocytes. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 1659-1669.	1.2	21
101	ERK1/2 mediates the lipopolysaccharide-induced upregulation of FGF-2, uPA, MMP-2, MMP-9 and cellular migration in cardiac fibroblasts. <i>Chemico-Biological Interactions</i> , 2019, 306, 62-69.	1.7	21
102	Heat-Killed <i>Lactobacillus reuteri</i> GMNL-263 Inhibits Systemic Lupus Erythematosus-Induced Cardiomyopathy in NZB/W F1 Mice. <i>Probiotics and Antimicrobial Proteins</i> , 2021, 13, 51-59.	1.9	21
103	NFIL3 Suppresses Hypoxia-Induced Apoptotic Cell Death by Targeting the Insulin-Like Growth Factor 2 Receptor. <i>Journal of Cellular Biochemistry</i> , 2015, 116, 1113-1120.	1.2	20
104	Prolactin protects cardiomyocytes against intermittent hypoxia-induced cell damage by the modulation of signaling pathways related to cardiac hypertrophy and proliferation. <i>International Journal of Cardiology</i> , 2015, 181, 255-266.	0.8	20
105	Taiwanin E inhibits cell migration in human LoVo colon cancer cells by suppressing MMP-2/9 expression via p38 MAPK pathway. <i>Environmental Toxicology</i> , 2017, 32, 2021-2031.	2.1	20
106	Potential phytoestrogen alternatives exert cardio-protective mechanisms via estrogen		

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109	RSC96 Schwann Cell Proliferation and Survival Induced by Dilong through PI3K/Akt Signaling Mediated by IGF-I. Evidence-based Complementary and Alternative Medicine, 2011, 2011, 1-9.	0.5	19
110	Heat-killed Lactobacillus Reuteri GMNL-263 Prevents Epididymal Fat Accumulation and Cardiac Injury in High-Calorie Diet-Fed Rats. International Journal of Medical Sciences, 2016, 13, 569-577.	1.1	19
111	Diallyl Trisulfide (DATS) Suppresses AGE-Induced Cardiomyocyte Apoptosis by Targeting ROS-Mediated PKC $\beta$ Activation. International Journal of Molecular Sciences, 2020, 21, 2608.	1.8	19
112	Enhancement of beta-catenin in cardiomyocytes suppresses survival protein expression but promotes apoptosis and fibrosis. Cardiology Journal, 2017, 24, 195-205.	0.5	19
113	The coexistence of nocturnal sustained hypoxia and obesity additively increases cardiac apoptosis. Journal of Applied Physiology, 2008, 104, 1144-1153.	1.2	18
114	Inhibition of cardiac hypertrophy by probiotic-fermented purple sweet potato yogurt in spontaneously hypertensive rat hearts. International Journal of Molecular Medicine, 2012, 30, 1365-1375.	1.8	18
115	CREB Negatively Regulates IGF2R Gene Expression and Downstream Pathways to Inhibit Hypoxia-Induced H9c2 Cardiomyoblast Cell Death. International Journal of Molecular Sciences, 2015, 16, 27921-27930.	1.8	18
116	Deep sea minerals prolong life span of streptozotocin-induced diabetic rats by compensatory augmentation of the IGF1 survival signaling and inhibition of apoptosis. Environmental Toxicology, 2016, 31, 769-781.	2.1	18
117	Chemoresistance-Associated Silencing of miR-4454 Promotes Colorectal Cancer Aggression through the GNL3L and NF- $\kappa$ B Pathway. Cancers, 2020, 12, 1231.	1.7	18
118	The Proliferation and Migration Effects of Huangqi on RSC96 Schwann Cells. The American Journal of Chinese Medicine, 2009, 37, 945-959.	1.5	17
119	Mesenchymal Stem Cell Insights: Prospects in Hematological Transplantation. Cell Transplantation, 2013, 22, 711-721.	1.2	17
120	E2/ER $\beta$ Enhances Calcineurin Protein Degradation and PI3K/Akt/MDM2 Signal Transduction to Inhibit ISO-Induced Myocardial Cell Apoptosis. International Journal of Molecular Sciences, 2017, 18, 892.	1.8	17
121	Bioactive Peptide VHVV Upregulates the Long-Term Memory-Related Biomarkers in Adult Spontaneously Hypertensive Rats. International Journal of Molecular Sciences, 2019, 20, 3069.	1.8	17
122	Inhibition of protein phosphatase 1 stimulates noncanonical ER stress eIF2 $\beta$ activation to enhance fisetin-induced chemosensitivity in HDAC inhibitor-resistant hepatocellular carcinoma cells. Cancers, 2019, 11, 918.	1.7	17
123	Bioactive peptides attenuate cardiac apoptosis in spontaneously hypertensive rat hearts through activation of autophagy and mitochondrial biogenesis pathway. Environmental Toxicology, 2020, 35, 804-810.	2.1	17
124	Apoptotic and anti-proliferative effects of 17 $\beta$ -estradiol and 17 $\beta$ -estradiol-like compounds in the Hep3B cell line. Molecular and Cellular Biochemistry, 2006, 290, 1-7.	1.4	16
125	BNIP3 induces IL6 and calcineurin/NFAT3 hypertrophic-related pathways in H9c2 cardiomyoblast cells. Molecular and Cellular Biochemistry, 2010, 345, 241-247.	1.4	16
126	Dilong Prevents the High-KCl Cardioplegic Solution Administration-Induced Apoptosis in H9c2 Cardiomyoblast Cells Mediated by MEK. The American Journal of Chinese Medicine, 2014, 42, 1507-1519.	1.5	16



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127	Long-term hypoxia exposure enhanced IGFBP-3 protein synthesis and secretion resulting in cell apoptosis in H9c2 myocardial cells. <i>Growth Factors</i> , 2015, 33, 275-281.	0.5	16
128	Angiotensin-(1-7) attenuated long-term hypoxia-stimulated cardiomyocyte apoptosis by inhibiting HIF-1 nuclear translocation via Mas receptor regulation. <i>Growth Factors</i> , 2016, 34, 11-18.	0.5	16
129	<i>Eriobotrya japonica</i> ameliorates cardiac hypertrophy in H9c2 cardiomyoblast and in spontaneously hypertensive rats. <i>Environmental Toxicology</i> , 2018, 33, 1113-1122.	2.1	16
130	The combined inhibition of the CaMKII $\beta$ and calcineurin signaling cascade attenuates IGF1-induced cardiac hypertrophy. <i>Journal of Cellular Physiology</i> , 2020, 235, 3539-3547.	2.0	16
131	Diabetes-induced cardiomyopathy is ameliorated by heat-killed <i>Lactobacillus reuteri</i> GMNL-263 in diabetic rats via the repression of the toll-like receptor 4 pathway. <i>European Journal of Nutrition</i> , 2021, 60, 3211-3223.	1.8	16
132	Roles of the Minor Pseudopilins, XpsH, XpsI and XpsJ, in the Formation of XpsG-Containing Pseudopilus in <i>Xanthomonas campestris</i> pv. <i>Campestris</i> . <i>Journal of Biomedical Science</i> , 2005, 12, 587-599.	2.6	15
133	Green tea epigallocatechin gallate enhances cardiac function restoration through survival signaling expression in diabetes mellitus rats with autologous adipose tissue-derived stem cells. <i>Journal of Applied Physiology</i> , 2017, 123, 1081-1091.	1.2	15
134	CHIP attenuates lipopolysaccharide-induced cardiac hypertrophy and apoptosis by promoting NFATc3 proteasomal degradation. <i>Journal of Cellular Physiology</i> , 2019, 234, 20128-20138.	2.0	15
135	<i>Alpinia oxyphylla</i> Miq extract ameliorates cardiac fibrosis associated with D-galactose induced aging in rats. <i>Environmental Toxicology</i> , 2019, 34, 172-178.	2.1	15
136	Protective effects of galangin against H <sub>2</sub> O <sub>2</sub> -induced aging via the IGF1 signaling pathway in human dermal fibroblasts. <i>Environmental Toxicology</i> , 2020, 35, 115-123.	2.1	15
137	Extracts of <i>Jasminum sambac</i> flowers fermented by <i>Lactobacillus rhamnosus</i> inhibit H <sub>2</sub> O <sub>2</sub> - and UVB-induced aging in human dermal fibroblasts. <i>Environmental Toxicology</i> , 2021, 36, 607-619.	2.1	15
138	The preventive effects of edible folic acid on cardiomyocyte apoptosis and survival in early onset triple-transgenic Alzheimer's disease model mice. <i>Environmental Toxicology</i> , 2018, 33, 83-92.	2.1	14
139	17 $\beta$ -Estradiol and/or estrogen receptor alpha signaling blocks protein phosphatase 1 mediated ISO induced cardiac hypertrophy. <i>PLoS ONE</i> , 2018, 13, e0196569.	1.1	14
140	Bioactive flavone fisetin attenuates hypertension associated cardiac hypertrophy in H9c2 cells and in spontaneously hypertension rats. <i>Journal of Functional Foods</i> , 2019, 52, 212-218.	1.6	14
141	Adipose derived mesenchymal stem cells along with <i>Alpinia oxyphylla</i> extract alleviate mitochondria-mediated cardiac apoptosis in aging models and cardiac function in aging rats. <i>Journal of Ethnopharmacology</i> , 2021, 264, 113297.	2.0	14
142	Leech extract: A candidate cardioprotective against hypertension-induced cardiac hypertrophy and fibrosis. <i>Journal of Ethnopharmacology</i> , 2021, 264, 113346.	2.0	14
143	EG3 ligase activity of Carboxyl terminus of Hsc70 interacting protein (CHIP) in Wharton's jelly derived mesenchymal stem cells improves their persistence under hyperglycemic stress and promotes the prophylactic effects against diabetic cardiac damages. <i>Bioengineering and Translational Medicine</i> , 2021, 6, e10234.	3.9	14
144	Suppression of TLR-4-Related Inflammatory Pathway and Anti-Fibrosis Effects of Probiotic-Fermented Purple Sweet Potato Yogurt in Hearts of Spontaneously Hypertensive Rats. <i>Chinese Journal of Physiology</i> , 2013, 56, 174-83.	0.4	14

#	ARTICLE	IF	CITATIONS
145	E2/ER $\beta$ inhibit ISO-induced cardiac cellular hypertrophy by suppressing Ca <sup>2+</sup> -calcineurin signaling. PLoS ONE, 2017, 12, e0184153.	1.1	13
146	Acute hypoxic preconditioning prevents palmitic acid-induced cardiomyocyte apoptosis via switching metabolic GLUT4 glucose pathway back to CD36 fatty acid dependent. Journal of Cellular Biochemistry, 2018, 119, 3363-3372.	1.2	13
147	$\beta$ -catenin/LEF1/IGF-IIR Signaling Axis Galvanizes the Angiotensin-II- induced Cardiac Hypertrophy. International Journal of Molecular Sciences, 2019, 20, 4288.	1.8	13
148	Exercise training restores IGFIR survival signaling in d-galactose induced-aging rats to suppress cardiac apoptosis. Journal of Advanced Research, 2021, 28, 35-41.	4.4	13
149	P38 mitogen-activated protein kinase pathways are involved in the hypertrophy and apoptosis of cardiomyocytes induced by <i>Porphyrromonas gingivalis</i> conditioned medium. Cell Biochemistry and Function, 2008, 26, 246-255.	1.4	12
150	Lumbrokinase Attenuates Side-Stream-Smoke-Induced Apoptosis and Autophagy in Young Hamster Hippocampus: Correlated with eNOS Induction and NF $\kappa$ B/iNOS/COX-2 Signaling Suppression. Chemical Research in Toxicology, 2013, 26, 654-661.	1.7	12
151	<i>Citrus medica</i> var. <i>sarcodactylis</i> (Foshou) Activates Fibroblast Growth Factor-2 Signaling to Induce Migration of RSC96 Schwann Cells. The American Journal of Chinese Medicine, 2014, 42, 443-452.	1.5	12
152	Tanshinone-induced ERs suppresses IGFII activation to alleviate Ang II-mediated cardiac hypertrophy. Journal of Receptor and Signal Transduction Research, 2017, 37, 493-499.	1.3	12
153	Fenofibrate induced PPAR alpha expression was attenuated by oestrogen receptor alpha overexpression in Hep3B cells. Environmental Toxicology, 2018, 33, 234-247.	2.1	12
154	Overexpression of IGF $\beta$ regulates cardiac remodeling and aggravates high salt induced apoptosis and fibrosis in transgenic rats. Environmental Toxicology, 2019, 34, 210-218.	2.1	12
155	Seven traditional Chinese herbal extracts fermented by <i>Lactobacillus rhamnosus</i> provide anti-pigmentation effects by regulating the CREB/MITF/tyrosinase pathway. Environmental Toxicology, 2021, 36, 654-664.	2.1	12
156	Novel anti-aging herbal formulation Jing Si displays pleiotropic effects against aging associated disorders. Biomedicine and Pharmacotherapy, 2022, 146, 112427.	2.5	12
157	Opposing Action of Estrogen Receptors $\alpha$ and $\beta$ on Tumor Necrosis Factor- $\alpha$ Gene Expression and Caspase-8-mediated Apoptotic Effects in HA22T Cells. Molecular and Cellular Biochemistry, 2006, 287, 137-145.	1.4	11
158	<i>Lactobacillus reuteri</i> GMNL-263 reduces hyperlipidaemia and the heart failure process in high-calorie diet-fed induced heart dysfunction in rats. Journal of Functional Foods, 2016, 20, 226-235.	1.6	11
159	Synergistic cardiac pathological hypertrophy induced by high-salt diet in IGF-IIR cardiac-specific transgenic rats. PLoS ONE, 2019, 14, e0216285.	1.1	11
160	<i>Poria cocos</i> (Fuling) targets TGF $\beta$ /Smad7 associated collagen accumulation and enhances Nrf2 antioxidant mechanism to exert anti-skin aging effects in human dermal fibroblasts. Environmental Toxicology, 2021, 36, 729-736.	2.1	11
161	ER $\beta$ targets ZAK and attenuates cellular hypertrophy via SUMO1 modification in H9c2 cells. Journal of Cellular Biochemistry, 2018, 119, 7855-7864.	1.2	10
162	Andrographolide mitigates cardiac apoptosis to provide cardio-protection in high-fat diet-induced obese mice. Environmental Toxicology, 2020, 35, 707-713.	2.1	10

#	ARTICLE	IF	CITATIONS
163	Exercise renovates H2S and Nrf2-related antioxidant pathways to suppress apoptosis in the natural ageing process of male rat cortex. <i>Biogerontology</i> , 2021, 22, 495-506.	2.0	10
164	Attenuated Cardiac Mitochondrial-Dependent Apoptotic Effects by Li-Fu Formula in Hamsters Fed with a Hypercholesterol Diet. <i>Evidence-based Complementary and Alternative Medicine</i> , 2011, 2011, 1-9.	0.5	9
165	Stem cells rescue cardiomyopathy induced by <i>P. gingivalis</i> LPS via miR-181b. <i>Journal of Cellular Physiology</i> , 2018, 233, 5869-5876.	2.0	9
166	A minireview of E4BP4/NFIL3 in heart failure. <i>Journal of Cellular Physiology</i> , 2018, 233, 8458-8466.	2.0	9
167	Upregulation of IGF-1 intensifies doxorubicin-induced cardiac damage. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 16956-16966.	1.2	9
168	Nerolidol improves cardiac function in spontaneously hypertensive rats by inhibiting cardiac inflammation and remodelling associated TLR4/ NF- $\kappa$ B signalling cascade. <i>Food and Chemical Toxicology</i> , 2021, 147, 111837.	1.8	9
169	Hyperglycemia-Induced Cardiac Damage Is Alleviated by Heat-Inactivated <i>Lactobacillus reuteri</i> GMNL-263 via Activation of the IGF1R Survival Pathway. <i>Probiotics and Antimicrobial Proteins</i> , 2021, 13, 1044-1053.	1.9	9
170	Secondhand smoke exposure toxicity accelerates age-related cardiac disease in old hamsters. <i>BMC Cardiovascular Disorders</i> , 2014, 14, 195.	0.7	8
171	Impact of LPS-Induced Cardiomyoblast Cell Apoptosis Inhibited by Earthworm Extracts. <i>Cardiovascular Toxicology</i> , 2015, 15, 172-179.	1.1	8
172	Calmodulin/CaMKII $\beta$ mediates prosurvival capability in apicidin-persistent hepatocellular carcinoma cells via ERK1/2/CREB/c-Fos signaling pathway. <i>Journal of Cellular Biochemistry</i> , 2021, 122, 612-625.	1.2	8
173	Small Molecule Compound Nerolidol attenuates Hypertension induced hypertrophy in spontaneously hypertensive rats through modulation of Mel-18-IGF-IIR signalling. <i>Phytomedicine</i> , 2021, 84, 153450.	2.3	8
174	CHIP-overexpressing Wharton's jelly-derived mesenchymal stem cells attenuate hyperglycemia-induced oxidative stress-mediated kidney injuries in diabetic rats. <i>Free Radical Biology and Medicine</i> , 2021, 173, 70-80.	1.3	8
175	Protective effects of galangin against H2O2/UVB-induced dermal fibroblast collagen degradation via hsa-microRNA-4535-mediated TGF $\beta$ 2/Smad signaling. <i>Aging</i> , 2021, 13, 25342-25364.	1.4	8
176	Down regulation of IGF-I and IGF-IR gene expression in right atria tissue of ventricular septal defect infants with right atria hypoxemia. <i>Clinica Chimica Acta</i> , 2007, 379, 81-86.	0.5	7
177	Pro-inflammatory and pro-fibrosis factors were highly induction in heart tissues of carotid arteries balloon-injured animal model. <i>Cell Biochemistry and Function</i> , 2012, 30, 390-394.	1.4	7
178	Short-term Hypoxia Reverses Ox-LDL-Induced CD36 and GLUT4 Switching Metabolic Pathways in H9c2 Cardiomyoblast Cells. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 3785-3795.	1.2	7
179	Protective effect of HDL on NADPH oxidase-derived super oxide anion mediates hypoxia-induced cardiomyocyte apoptosis. <i>PLoS ONE</i> , 2017, 12, e0179492.	1.1	7
180	MicroRNA-210 repression facilitates advanced glycation end-product (AGE)-induced cardiac mitochondrial dysfunction and apoptosis via JNK activation. <i>Journal of Cellular Biochemistry</i> , 2021, 122, 1873-1885.	1.2	7

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181	Aqueous extract of <i>Solanum nigrum</i> attenuates Angiotensin-II induced cardiac hypertrophy and improves cardiac function by repressing protein kinase C- $\beta$ to restore HSF2 deSUMOylation and Mel-18-IGF-1R signaling suppression. <i>Journal of Ethnopharmacology</i> , 2022, 284, 114728.	2.0	7
182	Isoliquiritigenin ameliorates advanced glycation end products toxicity on renal proximal tubular epithelial cells. <i>Environmental Toxicology</i> , 2022, 37, 2096-2102.	2.1	7
183	Role of potato protein hydrolysate and exercise in preventing high-fat diet induced hepatocyte apoptosis in senescence accelerated mouse. <i>Journal of Food Biochemistry</i> , 2020, 44, e13525.	1.2	6
184	Signal transducer and activator of transcription 3 mediates apoptosis inhibition through reducing mitochondrial ROS and activating Bcl-2 in gemcitabine-resistant lung cancer A549 cells. <i>Journal of Cellular Physiology</i> , 2021, 236, 3896-3905.	2.0	6
185	D-galactose induced toxicity associated senescence mitigated by alpinate oxyphyllae fructus fortified adipose-derived mesenchymal stem cells. <i>Environmental Toxicology</i> , 2021, 36, 86-94.	2.1	6
186	Cardioprotective effects of transplanted adipose-derived stem cells under Ang II stress with Danggui administration augments cardiac function through upregulation of insulin-like growth factor 1 receptor in late-stage hypertension rats. <i>Environmental Toxicology</i> , 2021, 36, 1466-1475.	2.1	6
187	Dung-Shen Downregulates the Synergistic Apoptotic Effects of Angiotensin II Plus Leu 27-IGF II on Cardiomyoblasts. <i>Acta Cardiologica Sinica</i> , 2014, 30, 56-66.	0.1	6
188	Tanshinone II <sub>A</sub> inhibits Leu27IGF-II induced insulin-like growth factor receptor II signaling and myocardial apoptosis via estrogen receptor-mediated Akt activation. <i>Environmental Toxicology</i> , 2022, 37, 142-150.	2.1	6
189	Epigallocatechin-3-Gallate Pretreatment Improves Autologous Adipose-derived Stem Cells Against Rheumatoid Arthritis-induced Neuroinflammation in the Brain of Collagen-induced Rats. <i>Neurotoxicity Research</i> , 0, , .	1.3	6
190	Proliferative Effects of Chishao on Schwann Cells are FGF-uPA, and ERK- and JNK-Dependent. <i>The American Journal of Chinese Medicine</i> , 2009, 37, 1191-1202.	1.5	5
191	ZAK1 $\beta$ antagonizes and ameliorates the cardiac hypertrophic and apoptotic effects induced by ZAK1 $\alpha$ . <i>Cell Biochemistry and Function</i> , 2016, 34, 606-612.	1.4	5
192	Data supporting the angiotensin II activates MEL18 to deSUMOylate HSF2 for hypertension-related heart failure. <i>Data in Brief</i> , 2018, 16, 521-526.	0.5	5
193	Inhibition of cell death-inducing p53 target 1 through miR-210-3p overexpression attenuates reactive oxygen species and apoptosis in rat adipose-derived stem cells challenged with Angiotensin II. <i>Biochemical and Biophysical Research Communications</i> , 2020, 532, 347-354.	1.0	5
194	Diallyl Trisulfide Suppresses High-Glucose-Induced Cardiomyocyte Apoptosis by Targeting Reactive Oxygen Species-Mediated Hypoxia-Inducible Factor-1 $\beta$ /Insulin-like Growth Factor Binding Protein 3 Activation. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 11696-11708.	2.4	5
195	Carboxyl terminus of HSP70 interacting protein attenuates advanced glycation end products induced cardiac injuries by promoting NF- $\kappa$ B proteasomal degradation. <i>Journal of Cellular Physiology</i> , 2022, 237, 1888-1901.	2.0	5
196	Leu27IGF-II induced hypertrophy in H9c2 cardiomyoblasts is ameliorated by saffron by regulation of calcineurin/NFAT and CaMKII $\beta$ signaling. <i>Environmental Toxicology</i> , 2021, 36, 2475-2483.	2.1	4
197	Iron status and cardiovascular risk factors in patients with haemodialysis versus patients with ischaemic heart disease. <i>Nephrology</i> , 2009, 14, 65-69.	0.7	3
198	Secondhand Smoke Exposure Reduced the Compensatory Effects of IGF-I Growth Signaling in the Aging Rat Hearts. <i>International Journal of Medical Sciences</i> , 2015, 12, 708-718.	1.1	3

#	ARTICLE	IF	CITATIONS
199	Doxorubicin induces $ZAK^{\pm}$ overexpression with a subsequent enhancement of apoptosis and attenuation of survivability in human osteosarcoma cells. <i>Environmental Toxicology</i> , 2018, 33, 191-197.	2.1	3
200	Selective Activation of $ZAK^{\pm}$ Expression by 3-Hydroxy-2-Phenylchromone Inhibits Human Osteosarcoma Cells and Triggers Apoptosis via JNK Activation. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3366.	1.8	3
201	Epimedium promotes steroidogenesis by $CREB$ activation-mediated mitochondrial fusion in endosulfan treated leydig cells. <i>Environmental Toxicology</i> , 2021, 36, 1873-1879.	2.1	3
202	Therapeutic effects of Dioscorea on post-menopause-induced cardiac apoptosis in rats. <i>Chinese Journal of Integrative Medicine</i> , 2016, , 1.	0.7	2
203	Danshen ( <i>Salvia miltiorhiza</i> ) inhibits Leu27 IGF $\beta$ induced hypertrophy in H9c2 cells. <i>Environmental Toxicology</i> , 2020, 35, 1043-1049.	2.1	2
204	Calreticulin nuclear translocalization alleviates CaM/CaMKII/CREB signaling pathway to enhance chemosensitivity in HDAC inhibitor-resistant hepatocellular carcinoma cells. <i>Aging</i> , 0, , .	1.4	2
205	Overexpression of $ZAK^{\pm}$ in human osteosarcoma cells enhances $ZAK^{\pm}$ expression, resulting in a synergistic apoptotic effect. <i>Cell Biochemistry and Function</i> , 2018, 36, 176-182.	1.4	1
206	Perturbed ER homeostasis by IGF-IR $\pm$ promotes cardiac damage under stresses. <i>Molecular and Cellular Biochemistry</i> , 2022, 477, 143-152.	1.4	1
207	Parkinson's disease a futile entangle of Mankind's credence on an herbal remedy: A review. <i>Life Sciences</i> , 2020, 257, 118019.	2.0	0