Zhihui Feng

List of Publications by Year
in descending order

73 papers	3,206 citations	126907 33 h-index	161849 54 g-index
73 all docs	73 docs citations	73 times ranked	5522 citing authors

#	Article	IF	Citations
1	Hepatic Suppression of Mitochondrial Complex II Assembly Drives Systemic Metabolic Benefits. Advanced Science, 2022, 9, e2105587.	11.2	10
2	Hydrogenâ€rich and hyperoxygenate saline inhibits lipopolysaccharideâ€induced lung injury through mediating <scp>NFâ€ºB</scp> / <scp>NLRP3</scp> signaling pathway in <scp>C57BL</scp> /6 mice. Environmental Toxicology, 2022, , .	4.0	5
3	Punicalagin Regulates Signaling Pathways in Inflammation-Associated Chronic Diseases. Antioxidants, 2022, 11, 29.	5.1	26
4	Cardiac disruption of SDHAF4-mediated mitochondrial complex II assembly promotes dilated cardiomyopathy. Nature Communications, 2022, 13, .	12.8	16
5	Pinitol attenuates LPSâ€induced pneumonia in experimental animals: Possible role via inhibition of the TLRâ€4 and NFâ€ºB/IÎºBÎ± signaling cascade pathway. Journal of Biochemical and Molecular Toxicology, 2021, 35, e22622.	3.0	9
6	Htd2 deficiency-associated suppression of Î±-lipoic acid production provokes mitochondrial dysfunction and insulin resistance in adipocytes. Redox Biology, 2021, 41, 101948.	9.0	11
7	Hypermethylation of Hepatic Mitochondrial ND6 Provokes Systemic Insulin Resistance. Advanced Science, 2021, 8, 2004507.	11.2	23
8	An Intronic Risk SNP rs12454712 for Central Obesity Acts As an Allele-Specific Enhancer To Regulate BCL2 Expression. Diabetes, 2021, 70, 1679-1688.	0.6	10
9	Mitoepigenetics: An intriguing regulatory layer in aging and metabolic-related diseases. Free Radical Biology and Medicine, 2021, 177, 337-346.	2.9	8
10	Integrative Analyses Reveal Tstd1 as a Potential Modulator of HDL Cholesterol and Mitochondrial Function in Mice. Cells, 2021, 10, 2976.	4.1	3
11	Chalcone-Derived Nrf2 Activator Protects Cognitive Function via Maintaining Neuronal Redox Status. Antioxidants, 2021, 10, 1811.	5.1	3
12	Structure based modification of chalcone analogue activates Nrf2 in the human retinal pigment epithelial cell line ARPE-19. Free Radical Biology and Medicine, 2020, 148, 52-59.	2.9	11
13	Punicalagin Activates AMPK/PGCâ€1Î±/Nrf2 Cascade in Mice: The Potential Protective Effect against Prenatal Stress. Molecular Nutrition and Food Research, 2020, 64, e2000312.	3.3	16
14	High ratio of Ï‰-3/Ï‰-6 polyunsaturated fatty acids targets mTORC1 to prevent high-fat diet-induced metabolic syndrome and mitochondrial dysfunction in mice. Journal of Nutritional Biochemistry, 2020, 79, 108330.	4.2	27
15	Herba houttuyniae Extract Benefits Hyperlipidemic Mice via Activation of the AMPK/PGC-1Î±/Nrf2 Cascade. Nutrients, 2020, 12, 164.	4.1	15
16	The effects and mechanisms of pomegranate in the prevention and treatment of metabolic syndrome. Traditional Medicine and Modern Medicine, 2020, 03, 223-237.	0.2	2
17	Punicalagin attenuates endothelial dysfunction by activating FoxO1, a pivotal regulating switch of mitochondrial biogenesis. Free Radical Biology and Medicine, 2019, 135, 251-260.	2.9	31
18	Benefits of the soluble and insoluble fractions of bitter gourd in mice fed a high-fat diet. Journal of Functional Foods, 2018, 42, 216-223.	3.4	4

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19	SIRT3/SOD2 maintains osteoblast differentiation and bone formation by regulating mitochondrial stress. Cell Death and Differentiation, 2018, 25, 229-240.	11.2	180
20	Oxidative damage of mitochondrial respiratory chain in different organs of a rat model of diet-induced obesity. European Journal of Nutrition, 2018, 57, 1957-1967.	3.9	25
21	Modulation of HIF-2Î± PAS-B domain contributes to physiological responses. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 13240-13245.	7.1	19
22	APR3 modulates oxidative stress and mitochondrial function in ARPEâ€19 cells. FASEB Journal, 2018, 32, 5851-5861.	0.5	5
23	The Analgesic Effects of (5R,6R)6-(3-Propylthio-1,2,5-thiadiazol-4-yl)-1-azabicyclo[3.2.1] Octane on a Mouse Model of Neuropathic Pain. Anesthesia and Analgesia, 2017, 124, 1330-1338.	2.2	13
24	Combination of Î²-glucan and Morus alba L. Leaf Extract Promotes Metabolic Benefits in Mice Fed a High-Fat Diet. Nutrients, 2017, 9, 1110.	4.1	22
25	Cingulate Alpha-2A Adrenoceptors Mediate the Effects of Clonidine on Spontaneous Pain Induced by Peripheral Nerve Injury. Frontiers in Molecular Neuroscience, 2017, 10, 289.	2.9	14
26	Punicalagin attenuates palmitateâ€induced lipotoxicity in HepG2 cells by activating the Keap1â€Nrf2 antioxidant defense system. Molecular Nutrition and Food Research, 2016, 60, 1139-1149.	3.3	69
27	The regulatory roles ofO-GlcNAcylation in mitochondrial homeostasis and metabolic syndrome. Free Radical Research, 2016, 50, 1080-1088.	3.3	33
28	Coral calcium hydride prevents hepatic steatosis in high fat diet-induced obese rats: A potent mitochondrial nutrient and phase II enzyme inducer. Biochemical Pharmacology, 2016, 103, 85-97.	4.4	27
29	O-GlcNAcase deficiency suppresses skeletal myogenesis and insulin sensitivity in mice through the modulation of mitochondrial homeostasis. Diabetologia, 2016, 59, 1287-1296.	6.3	38
30	Pomegranate extract and exercise provide additive benefits on improvement of immune function by inhibiting inflammation and oxidative stress in high-fat-diet-induced obesity in rats. Journal of Nutritional Biochemistry, 2016, 32, 20-28.	4.2	30
31	Punicalagin, an active component in pomegranate, ameliorates cardiac mitochondrial impairment in obese rats via AMPK activation. Scientific Reports, 2015, 5, 14014.	3.3	72
32	Huperzine A Alleviates Mechanical Allodynia but Not Spontaneous Pain via Muscarinic Acetylcholine Receptors in Mice. Neural Plasticity, 2015, 2015, 1-11.	2.2	10
33	Hydroxytyrosol improves mitochondrial function and reduces oxidative stress in the brain of db/db mice: role of AMP-activated protein kinase activation. British Journal of Nutrition, 2015, 113, 1667-1676.	2.3	89
34	Hydroxytyrosol protects against acrolein induced preosteoblast cell toxicity: Involvement of Nrf2/Keap1 pathway. Journal of Functional Foods, 2015, 19, 28-38.	3.4	15
35	Maternal hydroxytyrosol administration improves neurogenesis and cognitive function in prenatally stressed offspring. Journal of Nutritional Biochemistry, 2015, 26, 190-199.	4.2	64
36	Lipoamide Acts as an Indirect Antioxidant by Simultaneously Stimulating Mitochondrial Biogenesis and Phase II Antioxidant Enzyme Systems in ARPE-19 Cells. PLoS ONE, 2015, 10, e0128502.	2.5	28

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37	Aging Leads to Elevation of O-GlcNAcylation and Disruption of Mitochondrial Homeostasis in Retina. Oxidative Medicine and Cellular Longevity, 2014, 2014, 1-11.	4.0	18
38	(â€“)-Epigallocatechin-3-gallate attenuated myocardial mitochondrial dysfunction and autophagy in diabetic Gotoâ€“Kakizaki rats. Free Radical Research, 2014, 48, 898-906.	3.3	40
39	A Signal Transduction Pathway from TGF-Î²1 to SKP2 via Akt1 and c-Myc and its Correlation with Progression in Human Melanoma. Journal of Investigative Dermatology, 2014, 134, 159-167.	0.7	42
40	Aerobic Interval Training Attenuates Mitochondrial Dysfunction in Rats Post-Myocardial Infarction: Roles of Mitochondrial Network Dynamics. International Journal of Molecular Sciences, 2014, 15, 5304-5322.	4.1	62
41	Coexpression within Integrated Mitochondrial Pathways Reveals Different Networks in Normal and Chemically Treated Transcriptomes. International Journal of Genomics, 2014, 2014, 1-10.	1.6	4
42	Mitochondrial dysfunction-associated OPA1 cleavage contributes to muscle degeneration: preventative effect of hydroxytyrosol acetate. Cell Death and Disease, 2014, 5, e1521-e1521.	6.3	49
43	4-Methylene-2-octyl-5-oxotetrahydrofuran-3-carboxylic Acid (C75), an Inhibitor of Fatty-acid Synthase, Suppresses the Mitochondrial Fatty Acid Synthesis Pathway and Impairs Mitochondrial Function. Journal of Biological Chemistry, 2014, 289, 17184-17194.	3.4	33
44	Adhesive proteinâ€free synthetic hydrogels for retinal pigment epithelium cell culture with low ROS level. Journal of Biomedical Materials Research - Part A, 2014, 102, 2258-2267.	4.0	20
45	Determination of Lipoic Acid in Biological Samples with Acetonitrileâ€“Salt Stacking Method in CE. Chromatographia, 2014, 77, 145-150.	1.3	11
46	Evidence for association of mitochondrial metabolism alteration with lipid accumulation in aging rats. Experimental Gerontology, 2014, 56, 3-12.	2.8	66
47	A monocarbonyl analogue of curcumin, 1,5-bis(3-hydroxyphenyl)-1,4-pentadiene-3-one (Ca 37), exhibits potent growth suppressive activity and enhances the inhibitory effect of curcumin on human prostate cancer cells. Apoptosis: an International Journal on Programmed Cell Death, 2014, 19, 542-553.	4.9	19
48	Mitochondrial Dysfunction in Obesity-Associated Nonalcoholic Fatty Liver Disease: The Protective Effects of Pomegranate with Its Active Component Punicalagin. Antioxidants and Redox Signaling, 2014, 21, 1557-1570.	5.4	104
49	Hydroxytyrosol prevents diet-induced metabolic syndrome and attenuates mitochondrial abnormalities in obese mice. Free Radical Biology and Medicine, 2014, 67, 396-407.	2.9	151
50	Reloading functionally ameliorates disuse-induced muscle atrophy by reversing mitochondrial dysfunction, and similar benefits are gained by administering a combination of mitochondrial nutrients. Free Radical Biology and Medicine, 2014, 69, 116-128.	2.9	44
51	Aerobic interval training protects against myocardial infarctionâ€induced oxidative injury by enhancing antioxidase system and mitochondrial biosynthesis. Clinical and Experimental Pharmacology and Physiology, 2014, 41, 192-201.	1.9	36
52	Bitter Gourd Inhibits the Development of Obesity-Associated Fatty Liver in C57BL/6 Mice Fed a High-Fat Diet. Journal of Nutrition, 2014, 144, 475-483.	2.9	44
53	AMPK activation prevents prenatal stress-induced cognitive impairment: Modulation of mitochondrial content and oxidative stress. Free Radical Biology and Medicine, 2014, 75, 156-166.	2.9	48
54	LL-37 attenuates inflammatory impairment via mTOR signaling-dependent mitochondrial protection. International Journal of Biochemistry and Cell Biology, 2014, 54, 26-35.	2.8	8

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55	Acetylated FoxO1 mediates high-glucose induced autophagy in H9c2 cardiomyoblasts: Regulation by a polyphenol -(â˜)-epigallocatechin-3-gallate. Metabolism: Clinical and Experimental, 2014, 63, 1314-1323.	3.4	36
56	Zeaxanthin induces Nrf2-mediated phase II enzymes in protection of cell death. Cell Death and Disease, 2014, 5, e1218-e1218.	6.3	83
57	Anticancer Effect of a Curcumin Derivative B63: ROS Production and Mitochondrial Dysfunction. Current Cancer Drug Targets, 2014, 14, 156-166.	1.6	36
58	Curcumin analog 1, 5-bis (2-trifluoromethylphenyl)-1, 4-pentadien-3-one exhibits enhanced ability on Nrf2 activation and protection against acrolein-induced ARPE-19 cell toxicity. Toxicology and Applied Pharmacology, 2013, 272, 726-735.	2.8	37
59	Mitochondrial accumulation under oxidative stress is due to defects in autophagy. Journal of Cellular Biochemistry, 2013, 114, 212-219.	2.6	52
60	A cigarette component acrolein induces accelerated senescence in human diploid fibroblast IMR-90 cells. Biogerontology, 2013, 14, 503-511.	3.9	17
61	Hydroxytyrosol Promotes Superoxide Production and Defects in Autophagy Leading to Anti-proliferation and Apoptosis on Human Prostate Cancer Cells. Current Cancer Drug Targets, 2013, 13, 625-639.	1.6	56
62	Maternal Docosahexaenoic Acid Feeding Protects Against Impairment of Learning and Memory and Oxidative Stress in Prenatally Stressed Rats: Possible Role of Neuronal Mitochondria Metabolism. Antioxidants and Redox Signaling, 2012, 16, 275-289.	5.4	81
63	Enhanced autophagy plays a cardinal role in mitochondrial dysfunction in type 2 diabetic Gotoâ€“Kakizaki (GK) rats: ameliorating effects of (â˜)-epigallocatechin-3-gallate. Journal of Nutritional Biochemistry, 2012, 23, 716-724.	4.2	113
64	Stimulation of GSH synthesis to prevent oxidative stress-induced apoptosis by hydroxytyrosol in human retinal pigment epithelial cells: activation of Nrf2 and JNK-p62/SQSTM1 pathways. Journal of Nutritional Biochemistry, 2012, 23, 994-1006.	4.2	125
65	Lipoamide or lipoic acid stimulates mitochondrial biogenesis in 3T3â€L1 adipocytes via the endothelial NO synthaseâ€cGMPâ€protein kinase G signalling pathway. British Journal of Pharmacology, 2011, 162, 1213-1224.	5.4	40
66	Mitochondrial dynamic remodeling in strenuous exercise-induced muscle and mitochondrial dysfunction: Regulatory effects of hydroxytyrosol. Free Radical Biology and Medicine, 2011, 50, 1437-1446.	2.9	92
67	Hydroxytyrosol protects against oxidative damage by simultaneous activation of mitochondrial biogenesis and phase II detoxifying enzyme systems in retinal pigment epithelial cells. Journal of Nutritional Biochemistry, 2010, 21, 1089-1098.	4.2	140
68	Î±-Tocopherol is an effective Phase II enzyme inducer: protective effects on acrolein-induced oxidative stress and mitochondrial dysfunction in human retinal pigment epithelial cells. Journal of Nutritional Biochemistry, 2010, 21, 1222-1231.	4.2	107
69	A Milk-Based Wolfberry Preparation Prevents Prenatal Stress-Induced Cognitive Impairment of Offspring Rats, and Inhibits Oxidative Damage and Mitochondrial Dysfunction In Vitro. Neurochemical Research, 2010, 35, 702-711.	3.3	27
70	Hydroxytyrosol promotes mitochondrial biogenesis and mitochondrial function in 3T3-L1 adipocytes. Journal of Nutritional Biochemistry, 2010, 21, 634-644.	4.2	146
71	Synergistic anti-Parkinsonism activity of high doses of B vitamins in a chronic cellular model. Neurobiology of Aging, 2010, 31, 636-646.	3.1	19
72	High doses of nicotinamide prevent oxidative mitochondrial dysfunction in a cellular model and improve motor deficit in a Drosophila model of Parkinson's disease. Journal of Neuroscience Research, 2008, 86, 2083-2090.	2.9	76

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73	Polyhydroxylated fullerene derivative C₆₀(OH)₂₄ prevents mitochondrial dysfunction and oxidative damage in an MPP⁺â€induced cellular model of Parkinson's disease. Journal of Neuroscience Research, 2008, 86, 3622-3634.	2.9	141