

# Jiankang Liu

## List of Publications by Year in descending order

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Version: 2024-02-01

130  
papers

6,664  
citations

66343

42  
h-index

71685

76  
g-index

134  
all docs

134  
docs citations

134  
times ranked

9554  
citing authors

#	ARTICLE	IF	CITATIONS
1	Memory loss in old rats is associated with brain mitochondrial decay and RNA/DNA oxidation: Partial reversal by feeding acetyl- <sc>l</sc> -carnitine and/or <i>R</i>-lipoic acid. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 2356-2361.	7.1	480
2	The COVID-19 pandemic and physical activity. Sports Medicine and Health Science, 2020, 2, 55-64.	2.0	354
3	Immobilization stress causes oxidative damage to lipid, protein, and DNA in the brain of rats. FASEB Journal, 1996, 10, 1532-1538.	0.5	334
4	Feeding acetyl-L-carnitine and lipoic acid to old rats significantly improves metabolic function while decreasing oxidative stress. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 1870-1875.	7.1	295
5	<i>R</i>-lipoic acid-supplemented old rats have improved mitochondrial function, decreased oxidative damage, and increased metabolic rate. FASEB Journal, 1999, 13, 411-418.	0.5	273
6	Age-associated mitochondrial oxidative decay: Improvement of carnitine acetyltransferase substrate-binding affinity and activity in brain by feeding old rats acetyl-L-carnitine and/or R-Å-lipoic acid. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 1876-1881.	7.1	246
7	SIRT3/SOD2 maintains osteoblast differentiation and bone formation by regulating mitochondrial stress. Cell Death and Differentiation, 2018, 25, 229-240.	11.2	180
8	Delaying Brain Mitochondrial Decay and Aging with Mitochondrial Antioxidants and Metabolites. Annals of the New York Academy of Sciences, 2002, 959, 133-166.	3.8	174
9	Stress, aging, and brain oxidative damage. Neurochemical Research, 1999, 24, 1479-1497.	3.3	164
10	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
11	Reducing mitochondrial decay with mitochondrial nutrients to delay and treat cognitive dysfunction, Alzheimer's disease, and Parkinson's disease. Nutritional Neuroscience, 2005, 8, 67-89.	3.1	123
12	Acrolein is a mitochondrial toxin: Effects on respiratory function and enzyme activities in isolated rat liver mitochondria. Mitochondrion, 2006, 6, 136-142.	3.4	110
13	Targeting mitochondrial biogenesis for preventing and treating insulin resistance in diabetes and obesity: Hope from natural mitochondrial nutrients. Advanced Drug Delivery Reviews, 2009, 61, 1343-1352.	13.7	106
14	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
15	SNARE-mediated membrane fusion in autophagy. Seminars in Cell and Developmental Biology, 2016, 60, 97-104.	5.0	101
16	CPT1A/2-Mediated FAO Enhancement. A Metabolic Target in Radioresistant Breast Cancer. Frontiers in Oncology, 2019, 9, 1201.	2.8	91
17	Hydroxytyrosol improves mitochondrial function and reduces oxidative stress in the brain of <i>db/db</i> mice: role of AMP-activated protein kinase activation. British Journal of Nutrition, 2015, 113, 1667-1676.	2.3	89
18	Malonaldehyde acts as a mitochondrial toxin: Inhibitory effects on respiratory function and enzyme activities in isolated rat liver mitochondria. Life Sciences, 2006, 79, 1466-1472.	4.3	83

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19	Mitochondrial Dysfunction Launches Dexamethasone-Induced Skeletal Muscle Atrophy via AMPK/FOXO3 Signaling. <i>Molecular Pharmaceutics</i> , 2016, 13, 73-84.	4.6	82
20	SIRT3 Enhances Glycolysis and Proliferation in SIRT3-Expressing Gastric Cancer Cells. <i>PLoS ONE</i> , 2015, 10, e0129834.	2.5	79
21	Hydroxytyrosol induces apoptosis in human colon cancer cells through ROS generation. <i>Food and Function</i> , 2014, 5, 1909-1914.	4.6	78
22	Oleuropein improves mitochondrial function to attenuate oxidative stress by activating the Nrf2 pathway in the hypothalamic paraventricular nucleus of spontaneously hypertensive rats. <i>Neuropharmacology</i> , 2017, 113, 556-566.	4.1	73
23	Punicalagin, an active component in pomegranate, ameliorates cardiac mitochondrial impairment in obese rats via AMPK activation. <i>Scientific Reports</i> , 2015, 5, 14014.	3.3	72
24	Akt activation: A potential strategy to ameliorate insulin resistance. <i>Diabetes Research and Clinical Practice</i> , 2019, 156, 107092.	2.8	72
25	Punicalagin attenuates palmitate-induced lipotoxicity in HepG2 cells by activating the Keap1-Nrf2 antioxidant defense system. <i>Molecular Nutrition and Food Research</i> , 2016, 60, 1139-1149.	3.3	69
26	Evidence for association of mitochondrial metabolism alteration with lipid accumulation in aging rats. <i>Experimental Gerontology</i> , 2014, 56, 3-12.	2.8	66
27	Mitochondrial JNK activation triggers autophagy and apoptosis and aggravates myocardial injury following ischemia/reperfusion. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 262-270.	3.8	66
28	Real-time tracking mitochondrial dynamic remodeling with two-photon phosphorescent iridium (III) complexes. <i>Biomaterials</i> , 2016, 83, 321-331.	11.4	66
29	Hydroxytyrosol mildly improve cognitive function independent of APP processing in APP/PS1 mice. <i>Molecular Nutrition and Food Research</i> , 2016, 60, 2331-2342.	3.3	65
30	Mitochondrial dysfunction precedes depression of <sc>AMPK</sc>/<sc>AKT</sc> signaling in insulin resistance induced by high glucose in primary cortical neurons. <i>Journal of Neurochemistry</i> , 2016, 137, 701-713.	3.9	65
31	Maternal hydroxytyrosol administration improves neurogenesis and cognitive function in prenatally stressed offspring. <i>Journal of Nutritional Biochemistry</i> , 2015, 26, 190-199.	4.2	64
32	Intrinsic and membrane-facilitated $\beta$ -synuclein oligomerization revealed by label-free detection through solid-state nanopores. <i>Scientific Reports</i> , 2016, 6, 20776.	3.3	62
33	Central and Peripheral Metabolic Defects Contribute to the Pathogenesis of Alzheimer's Disease: Targeting Mitochondria for Diagnosis and Prevention. <i>Antioxidants and Redox Signaling</i> , 2020, 32, 1188-1236.	5.4	61
34	Antioxidant Activity of Diethyldithiocarbamate. <i>Free Radical Research</i> , 1996, 24, 461-472.	3.3	60
35	Compromised mitochondrial remodeling in compensatory hypertrophied myocardium of spontaneously hypertensive rat. <i>Cardiovascular Pathology</i> , 2014, 23, 101-106.	1.6	60
36	ERK-mediated phosphorylation regulates SOX10 sumoylation and targets expression in mutant BRAF melanoma. <i>Nature Communications</i> , 2018, 9, 28.	12.8	60

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37	Skp2 dictates cell cycle-dependent metabolic oscillation between glycolysis and TCA cycle. <i>Cell Research</i> , 2021, 31, 80-93.	12.0	51
38	Pomegranate extract decreases oxidative stress and alleviates mitochondrial impairment by activating AMPK-Nrf2 in hypothalamic paraventricular nucleus of spontaneously hypertensive rats. <i>Scientific Reports</i> , 2016, 6, 34246.	3.3	49
39	AMPK activation prevents prenatal stress-induced cognitive impairment: Modulation of mitochondrial content and oxidative stress. <i>Free Radical Biology and Medicine</i> , 2014, 75, 156-166.	2.9	48
40	Molecular Architecture of Contactin-associated Protein-like 2 (CNTNAP2) and Its Interaction with Contactin 2 (CNTN2). <i>Journal of Biological Chemistry</i> , 2016, 291, 24133-24147.	3.4	47
41	Human Enteric $\alpha$ -Defensin 5 Promotes Shigella Infection by Enhancing Bacterial Adhesion and Invasion. <i>Immunity</i> , 2018, 48, 1233-1244.e6.	14.3	47
42	Activation of Erk and p53 regulates copper oxide nanoparticle-induced cytotoxicity in keratinocytes and fibroblasts. <i>International Journal of Nanomedicine</i> , 2014, 9, 4763.	6.7	46
43	Reloading functionally ameliorates disuse-induced muscle atrophy by reversing mitochondrial dysfunction, and similar benefits are gained by administering a combination of mitochondrial nutrients. <i>Free Radical Biology and Medicine</i> , 2014, 69, 116-128.	2.9	44
44	Cornulin Is Induced in Psoriasis Lesions and Promotes Keratinocyte Proliferation via Phosphoinositide 3-Kinase/Akt Pathways. <i>Journal of Investigative Dermatology</i> , 2019, 139, 71-80.	0.7	44
45	A Signal Transduction Pathway from TGF- $\beta$ 1 to SKP2 via Akt1 and c-Myc and its Correlation with Progression in Human Melanoma. <i>Journal of Investigative Dermatology</i> , 2014, 134, 159-167.	0.7	42
46	Phosphatase and tensin homolog-induced putative kinase 1 and Parkin in diabetic heart: Role of mitophagy. <i>Journal of Diabetes Investigation</i> , 2015, 6, 250-255.	2.4	39
47	O-GlcNAcase deficiency suppresses skeletal myogenesis and insulin sensitivity in mice through the modulation of mitochondrial homeostasis. <i>Diabetologia</i> , 2016, 59, 1287-1296.	6.3	38
48	Oleuropein, unexpected benefits!. <i>Oncotarget</i> , 2017, 8, 17409-17409.	1.8	38
49	L-Arabinose Elicits Gut-Derived Hydrogen Production and Ameliorates Metabolic Syndrome in C57BL/6J Mice on High-Fat-Diet. <i>Nutrients</i> , 2019, 11, 3054.	4.1	37
50	Acetylated FoxO1 mediates high-glucose induced autophagy in H9c2 cardiomyoblasts: Regulation by a polyphenol ( $\alpha$ -epigallocatechin-3-gallate). <i>Metabolism: Clinical and Experimental</i> , 2014, 63, 1314-1323.	3.4	36
51	Three-dimensional structural dynamics and fluctuations of DNA-nanogold conjugates by individual-particle electron tomography. <i>Nature Communications</i> , 2016, 7, 11083.	12.8	36
52	Anticancer Effect of a Curcumin Derivative B63: ROS Production and Mitochondrial Dysfunction. <i>Current Cancer Drug Targets</i> , 2014, 14, 156-166.	1.6	36
53	A mix of apple pomace polysaccharide improves mitochondrial function and reduces oxidative stress in the liver of high-fat diet-induced obese mice. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1600433.	3.3	35
54	Targeting SCF E3 Ligases for Cancer Therapies. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1217, 123-146.	1.6	34

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55	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. <i>Journal of Biological Chemistry</i> , 2014, 289, 17184-17194.	3.4	33
56	The regulatory roles of O-GlcNAcylation in mitochondrial homeostasis and metabolic syndrome. <i>Free Radical Research</i> , 2016, 50, 1080-1088.	3.3	33
57	Cdh1 inhibits WWP2-mediated ubiquitination of PTEN to suppress tumorigenesis in an APC-independent manner. <i>Cell Discovery</i> , 2016, 2, 15044.	6.7	33
58	Molecular Mechanisms for the Coupling of Endocytosis to Exocytosis in Neurons. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 47.	2.9	32
59	Hydrogen-rich water improves cognitive impairment gender-dependently in APP/PS1 mice without affecting A $\beta$ clearance. <i>Free Radical Research</i> , 2018, 52, 1311-1322.	3.3	32
60	Punicalagin attenuates endothelial dysfunction by activating FoxO1, a pivotal regulating switch of mitochondrial biogenesis. <i>Free Radical Biology and Medicine</i> , 2019, 135, 251-260.	2.9	31
61	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. <i>Journal of Nutritional Biochemistry</i> , 2016, 32, 20-28.	4.2	30
62	OM2, a Novel Oligomannuronate-Chromium(III) Complex, Promotes Mitochondrial Biogenesis and Lipid Metabolism in 3T3-L1 Adipocytes via the AMPK-PGC1 $\alpha$ Pathway. <i>PLoS ONE</i> , 2015, 10, e0131930.	2.5	28
63	Yes-associated protein promotes the abnormal proliferation of psoriatic keratinocytes via an amphiregulin dependent pathway. <i>Scientific Reports</i> , 2018, 8, 14513.	3.3	28
64	C10orf99 contributes to the development of psoriasis by promoting the proliferation of keratinocytes. <i>Scientific Reports</i> , 2018, 8, 8590.	3.3	28
65	Lipoamide Acts as an Indirect Antioxidant by Simultaneously Stimulating Mitochondrial Biogenesis and Phase II Antioxidant Enzyme Systems in ARPE-19 Cells. <i>PLoS ONE</i> , 2015, 10, e0128502.	2.5	28
66	All-trans retinoic acid protects against doxorubicin-induced cardiotoxicity by activating the ERK2 signalling pathway. <i>British Journal of Pharmacology</i> , 2016, 173, 357-371.	5.4	27
67	Coral calcium hydride prevents hepatic steatosis in high fat diet-induced obese rats: A potent mitochondrial nutrient and phase II enzyme inducer. <i>Biochemical Pharmacology</i> , 2016, 103, 85-97.	4.4	27
68	High ratio of 3-6 polyunsaturated fatty acids targets mTORC1 to prevent high-fat diet-induced metabolic syndrome and mitochondrial dysfunction in mice. <i>Journal of Nutritional Biochemistry</i> , 2020, 79, 108330.	4.2	27
69	Exercise promotes angiogenesis by enhancing endothelial cell fatty acid utilization via liver-derived extracellular vesicle miR-122-5p. <i>Journal of Sport and Health Science</i> , 2022, 11, 495-508.	6.5	27
70	Neuroprotective effects of methane-rich saline on experimental acute carbon monoxide toxicity. <i>Journal of the Neurological Sciences</i> , 2016, 369, 361-367.	0.6	26
71	Omega-3 polyunsaturated fatty acids prevent obesity by improving tricarboxylic acid cycle homeostasis. <i>Journal of Nutritional Biochemistry</i> , 2021, 88, 108503.	4.2	26
72	Compartmentally scavenging hepatic oxidants through AMPK/SIRT3-PGC1 $\alpha$ axis improves mitochondrial biogenesis and glucose catabolism. <i>Free Radical Biology and Medicine</i> , 2021, 168, 117-128.	2.9	26

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73	Punicalagin Regulates Signaling Pathways in Inflammation-Associated Chronic Diseases. <i>Antioxidants</i> , 2022, 11, 29.	5.1	26
74	Cdh1 regulates craniofacial development via APC-dependent ubiquitination and activation of Goosecoid. <i>Cell Research</i> , 2016, 26, 699-712.	12.0	25
75	Aster-B coordinates with Arf1 to regulate mitochondrial cholesterol transport. <i>Molecular Metabolism</i> , 2020, 42, 101055.	6.5	24
76	Hyperoside from <i>Z. bungeanum</i> leaves restores insulin secretion and mitochondrial function by regulating pancreatic cellular redox status in diabetic mice. <i>Free Radical Biology and Medicine</i> , 2021, 162, 412-422.	2.9	23
77	Hypermethylation of Hepatic Mitochondrial <i>ND6</i> Provokes Systemic Insulin Resistance. <i>Advanced Science</i> , 2021, 8, 2004507.	11.2	23
78	High-Fat-Diet-Induced Weight Gain Ameliorates Bone Loss without Exacerbating A $\beta$ Processing and Cognition in Female APP/PS1 Mice. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 225.	3.7	22
79	Combination of $\beta$ -glucan and <i>Morus alba</i> L. Leaf Extract Promotes Metabolic Benefits in Mice Fed a High-Fat Diet. <i>Nutrients</i> , 2017, 9, 1110.	4.1	22
80	Deubiquitinase OTUD6A promotes proliferation of cancer cells via regulating Drp1 stability and mitochondrial fission. <i>Molecular Oncology</i> , 2020, 14, 3169-3183.	4.6	22
81	Hydroxytyrosol Acetate Improves the Cognitive Function of APP/PS1 Transgenic Mice in ER $\alpha$ -dependent Manner. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e2000797.	3.3	21
82	Mitochondria regulate cardiac contraction through ATP-dependent and independent mechanisms. <i>Free Radical Research</i> , 2018, 52, 1256-1265.	3.3	20
83	Regulation of mitochondrial cristae remodelling by acetylcholine alleviates palmitate-induced cardiomyocyte hypertrophy. <i>Free Radical Biology and Medicine</i> , 2019, 145, 103-117.	2.9	20
84	Post-translational modifications on mitochondrial metabolic enzymes in cancer. <i>Free Radical Biology and Medicine</i> , 2022, 179, 11-23.	2.9	20
85	Proinflammatory macrophages impair skeletal muscle differentiation in obesity through secretion of tumor necrosis factor $\alpha$ via sustained activation of p38 mitogen-activated protein kinase. <i>Journal of Cellular Physiology</i> , 2019, 234, 2566-2580.	4.1	19
86	Aging Leads to Elevation of O-GlcNAcylation and Disruption of Mitochondrial Homeostasis in Retina. <i>Oxidative Medicine and Cellular Longevity</i> , 2014, 2014, 1-11.	4.0	18
87	Prostate-specific oncogene OTUD6A promotes prostatic tumorigenesis via deubiquitinating and stabilizing c-Myc. <i>Cell Death and Differentiation</i> , 2022, 29, 1730-1743.	11.2	18
88	Neurodegenerative Disease Related Proteins Have Negative Effects on SNARE-Mediated Membrane Fusion in Pathological Confirmation. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 66.	2.9	17
89	Autophagy Deficiency Leads to Impaired Antioxidant Defense via p62-FOXO1/3 Axis. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-15.	4.0	16
90	Punicalagin improves hepatic lipid metabolism via modulation of oxidative stress and mitochondrial biogenesis in hyperlipidemic mice. <i>Food and Function</i> , 2020, 11, 9624-9633.	4.6	16

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91	Punicalagin Activates AMPK/PGC-1 $\alpha$ /Nrf2 Cascade in Mice: The Potential Protective Effect against Prenatal Stress. <i>Molecular Nutrition and Food Research</i> , 2020, 64, e2000312.	3.3	16
92	LncRNA SAMMSON Mediates Adaptive Resistance to RAF Inhibition in BRAF-Mutant Melanoma Cells. <i>Cancer Research</i> , 2021, 81, 2918-2929.	0.9	16
93	Cardiac disruption of SDHAF4-mediated mitochondrial complex II assembly promotes dilated cardiomyopathy. <i>Nature Communications</i> , 2022, 13, .	12.8	16
94	Downregulation of the DNA 5-hydroxymethylcytosine is involved in mitochondrial dysfunction and neuronal impairment in high fat diet-induced diabetic mice. <i>Free Radical Biology and Medicine</i> , 2020, 148, 42-51.	2.9	15
95	Herba houttuyniae Extract Benefits Hyperlipidemic Mice via Activation of the AMPK/PGC-1 $\alpha$ /Nrf2 Cascade. <i>Nutrients</i> , 2020, 12, 164.	4.1	15
96	The functional analysis of Cullin 7 E3 ubiquitin ligases in cancer. <i>Oncogenesis</i> , 2020, 9, 98.	4.9	14
97	Fine particulate matter inhibits phagocytosis of macrophages by disturbing autophagy. <i>FASEB Journal</i> , 2020, 34, 16716-16735.	0.5	14
98	Mutation signatures in germline mitochondrial genome provide insights into human mitochondrial evolution and disease. <i>Human Genetics</i> , 2019, 138, 613-624.	3.8	13
99	SOD3 Is Secreted by Adipocytes and Mitigates High-Fat Diet-Induced Obesity, Inflammation, and Insulin Resistance. <i>Antioxidants and Redox Signaling</i> , 2020, 32, 193-212.	5.4	11
100	Structure based modification of chalcone analogue activates Nrf2 in the human retinal pigment epithelial cell line ARPE-19. <i>Free Radical Biology and Medicine</i> , 2020, 148, 52-59.	2.9	11
101	Htd2 deficiency-associated suppression of $\alpha$ -lipoic acid production provokes mitochondrial dysfunction and insulin resistance in adipocytes. <i>Redox Biology</i> , 2021, 41, 101948.	9.0	11
102	Overexpression of S100A7 Protects LPS-Induced Mitochondrial Dysfunction and Stimulates IL-6 and IL-8 in HaCaT Cells. <i>PLoS ONE</i> , 2014, 9, e92927.	2.5	11
103	Daphnetin ameliorates A $\beta$ pathogenesis via STAT3/GFAP signaling in an APP/PS1 double-transgenic mouse model of Alzheimer's disease. <i>Pharmacological Research</i> , 2022, 180, 106227.	7.1	11
104	Regulation of DNA methylation and 2-OG/TET signaling by choline alleviated cardiac hypertrophy in spontaneously hypertensive rats. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 128, 26-37.	1.9	10
105	Hepatic Suppression of Mitochondrial Complex II Assembly Drives Systemic Metabolic Benefits. <i>Advanced Science</i> , 2022, 9, e2105587.	11.2	10
106	Hydrogen gas protects against delayed encephalopathy after acute carbon monoxide poisoning in a rat model. <i>Neurological Research</i> , 2020, 42, 22-30.	1.3	9
107	Pinitol attenuates LPS-induced pneumonia in experimental animals: Possible role via inhibition of the TLR4 and NF- $\kappa$ B signaling cascade pathway. <i>Journal of Biochemical and Molecular Toxicology</i> , 2021, 35, e22622.	3.0	9
108	Synaptotagmin-1 is a bidirectional Ca <sup>2+</sup> sensor for neuronal endocytosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2111051119.	7.1	9

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109	LL-37 attenuates inflammatory impairment via mTOR signaling-dependent mitochondrial protection. <i>International Journal of Biochemistry and Cell Biology</i> , 2014, 54, 26-35.	2.8	8
110	Early inflammation-associated factors blunt sterol regulatory element-binding proteins-mediated lipogenesis in high-fat diet-fed APP/SWE/PSEN1dE9 mouse model of Alzheimer's disease. <i>Journal of Neurochemistry</i> , 2016, 136, 791-803.	3.9	8
111	Early interleukin-6 enhances hepatic ketogenesis in APP/PSEN1dE9 mice via 3-hydroxy-3-methylglutaryl-CoA synthase 2 signaling activation by p38/nuclear factor $\kappa$ B p65. <i>Neurobiology of Aging</i> , 2017, 56, 115-126.	3.1	8
112	Transmembrane protein 215 promotes angiogenesis by maintaining endothelial cell survival. <i>Journal of Cellular Physiology</i> , 2019, 234, 9525-9534.	4.1	8
113	Neuroprotective and Preventative Effects of Molecular Hydrogen. <i>Current Pharmaceutical Design</i> , 2021, 27, 585-591.	1.9	8
114	Mitoeigenetics: An intriguing regulatory layer in aging and metabolic-related diseases. <i>Free Radical Biology and Medicine</i> , 2021, 177, 337-346.	2.9	8
115	Topological reorganizations of mitochondria isolated from rat brain after 72 hours of paradoxical sleep deprivation, revealed by electron cryo-tomography. <i>American Journal of Physiology - Cell Physiology</i> , 2021, 321, C17-C25.	4.6	7
116	Measuring Redox Status of Melanoma Cells. <i>Methods in Molecular Biology</i> , 2016, , 1.	0.9	6
117	ATG7 regulates hepatic Akt phosphorylation through the cJUN/PTEN pathway in high fat diet-induced metabolic disorder. <i>FASEB Journal</i> , 2019, 33, 14296-14306.	0.5	6
118	Regulation of IFN-Is by MEF2D Promotes Inflammatory Homeostasis in Microglia. <i>Journal of Inflammation Research</i> , 2021, Volume 14, 2851-2863.	3.5	6
119	APR3 modulates oxidative stress and mitochondrial function in ARPE-19 cells. <i>FASEB Journal</i> , 2018, 32, 5851-5861.	0.5	5
120	Safflower leaf ameliorates cognitive impairment through moderating excessive astrocyte activation in APP/PS1 mice. <i>Food and Function</i> , 2021, 12, 11704-11716.	4.6	5
121	Mitochondrial homeostasis and redox status in cardiovascular diseases: Protective role of the vagal system. <i>Free Radical Biology and Medicine</i> , 2022, 178, 369-379.	2.9	5
122	Hydrogen-rich and hyperoxygenate saline inhibits lipopolysaccharide-induced lung injury through mediating NF $\kappa$ B / NLRP3 signaling pathway in C57BL/6 mice. <i>Environmental Toxicology</i> , 2022, , .	4.0	5
123	New Aptamer/MoS <sub>2</sub> /Ni-Fe LDH Photoelectric Sensor for Bisphenol A Determination. <i>Nanomaterials</i> , 2022, 12, 78.	4.1	5
124	Coexpression within Integrated Mitochondrial Pathways Reveals Different Networks in Normal and Chemically Treated Transcriptomes. <i>International Journal of Genomics</i> , 2014, 2014, 1-10.	1.6	4
125	Endogenously generated amyloid- $\beta$ increases stiffness in human neuroblastoma cells. <i>European Biophysics Journal</i> , 2017, 46, 415-424.	2.2	4
126	A nascent protein labeling strategy disclosed mitochondrial proteomic responses in punicalagin intervened insulin resistance of HepG2 cells. <i>Food and Function</i> , 2022, 13, 1180-1191.	4.6	4



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127	A revolutionary approach for the cessation of smoking. <i>Science China Life Sciences</i> , 2010, 53, 631-632.	4.9	3
128	Integrative Analyses Reveal Tstd1 as a Potential Modulator of HDL Cholesterol and Mitochondrial Function in Mice. <i>Cells</i> , 2021, 10, 2976.	4.1	3
129	Chalcone-Derived Nrf2 Activator Protects Cognitive Function via Maintaining Neuronal Redox Status. <i>Antioxidants</i> , 2021, 10, 1811.	5.1	3
130	Dynamic motions and architectural changes in DNA supramolecular aggregates visualized via transmission electron microscopy without liquid cells. <i>Nanoscale</i> , 2021, 13, 15928-15936.	5.6	0