

Dietary melatonin attenuates chromium-induced lung injury via Sirt1/Pgc-1 β /Nrf2 pathway

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Sulforaphane prevents chromium-induced lung injury in rats via activation of the Akt/GSK-3 β /Fyn pathway. <i>Environmental Pollution</i> , 2020, 259, 113812.	3.7	74
2	Deltamethrin induces liver fibrosis in quails via activation of the TGF- β 1/Smad signaling pathway. <i>Environmental Pollution</i> , 2020, 259, 113870.	3.7	41
3	Dietary luteolin protects against renal anemia in mice. <i>Journal of Functional Foods</i> , 2020, 65, 103740.	1.6	18
4	Imidacloprid-induced liver fibrosis in quails via activation of the TGF- β 1/Smad pathway. <i>Science of the Total Environment</i> , 2020, 705, 135915.	3.9	66
5	Sulforaphane attenuates hexavalent chromium-induced cardiotoxicity via the activation of the Sesn2/AMPK/Nrf2 signaling pathway. <i>Metallomics</i> , 2020, 12, 2009-2020.	1.0	26
6	Inflammation response after the cessation of chronic arsenic exposure and post-treatment of natural astaxanthin in liver: potential role of cytokine-mediated cell-cell interactions. <i>Food and Function</i> , 2020, 11, 9252-9262.	2.1	57
7	The soybean bioactive peptide VHWV alleviates hypertension-induced renal damage in hypertensive rats via the SIRT1-PGC1 α /Nrf2 pathway. <i>Journal of Functional Foods</i> , 2020, 75, 104255.	1.6	26
8	Hexavalent chromium induces renal apoptosis and autophagy via disordering the balance of mitochondrial dynamics in rats. <i>Ecotoxicology and Environmental Safety</i> , 2020, 204, 111061.	2.9	48
9	Melatonin inhibits the apoptosis of rooster Leydig cells by suppressing oxidative stress via AKT-Nrf2 pathway activation. <i>Free Radical Biology and Medicine</i> , 2020, 160, 1-12.	1.3	26
10	Dibutyl phthalate induces allergic airway inflammation in rats via inhibition of the Nrf2/TSLP/JAK1 pathway. <i>Environmental Pollution</i> , 2020, 267, 115564.	3.7	30
11	Lungs as target of COVID-19 infection: Protective common molecular mechanisms of vitamin D and melatonin as a new potential synergistic treatment. <i>Life Sciences</i> , 2020, 254, 117808.	2.0	106
12	Hexavalent chromium induces mitochondrial dynamics disorder in rat liver by inhibiting AMPK/PGC-1 α signaling pathway. <i>Environmental Pollution</i> , 2020, 265, 114855.	3.7	69
13	Regulation of left atrial fibrosis induced by mitral regurgitation by SIRT1. <i>Scientific Reports</i> , 2020, 10, 7278.	1.6	5
14	Heavy metal associated health hazards: An interplay of oxidative stress and signal transduction. <i>Chemosphere</i> , 2021, 262, 128350.	4.2	291
15	Silymarin alleviates docetaxel-induced central and peripheral neurotoxicity by reducing oxidative stress, inflammation and apoptosis in rats. <i>Gene</i> , 2021, 769, 145239.	1.0	47
16	Hexavalent chromium induced heart dysfunction via Sesn2-mediated impairment of mitochondrial function and energy supply. <i>Chemosphere</i> , 2021, 264, 128547.	4.2	63
17	Exploring the liver fibrosis induced by deltamethrin exposure in quails and elucidating the protective mechanism of resveratrol. <i>Ecotoxicology and Environmental Safety</i> , 2021, 207, 111501.	2.9	65
18	Curcumin ameliorates mercuric chloride-induced liver injury via modulating cytochrome P450 signaling and Nrf2/HO-1 pathway. <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111426.	2.9	27

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19	The Double Face of Metals: The Intriguing Case of Chromium. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 638.	1.3	64
20	AST-120 Improves Cardiac Dysfunction in Acute Kidney Injury Mice via Suppression of Apoptosis and Proinflammatory NF- κ B/ICAM-1 Signaling. <i>Journal of Inflammation Research</i> , 2021, Volume 14, 505-518.	1.6	13
21	SIRT1-Related Signaling Pathways and Their Association With Bronchopulmonary Dysplasia. <i>Frontiers in Medicine</i> , 2021, 8, 595634.	1.2	17
22	Targeting ROS-Dependent AKT/GSK-3 β /NF- κ B and DJ-1/Nrf2 Pathways by Dapagliflozin Attenuates Neuronal Injury and Motor Dysfunction in Rotenone-Induced Parkinson's Disease Rat Model. <i>ACS Chemical Neuroscience</i> , 2021, 12, 689-703.	1.7	75
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24	The Role of Toxic Metals and Metalloids in Nrf2 Signaling. <i>Antioxidants</i> , 2021, 10, 630.	2.2	28
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26	Harmful Effects of Inorganic Mercury Exposure on Kidney Cells: Mitochondrial Dynamics Disorder and Excessive Oxidative Stress. <i>Biological Trace Element Research</i> , 2022, 200, 1591-1597.	1.9	43
27	Sirtuins as molecular targets, mediators, and protective agents in metal-induced toxicity. <i>Archives of Toxicology</i> , 2021, 95, 2263-2278.	1.9	23
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29	Can resveratrol modulate sirtuins in obesity and related diseases? A systematic review of randomized controlled trials. <i>European Journal of Nutrition</i> , 2021, 60, 2961-2977.	1.8	12
30	Taxifolin ameliorates Benzo[a]pyrene-induced lung injury possibly via stimulating the Nrf2 signalling pathway. <i>International Immunopharmacology</i> , 2021, 96, 107566.	1.7	22
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33	IL-10 ameliorates PM2.5-induced lung injury by activating the AMPK/SIRT1/PGC-1 α pathway. <i>Environmental Toxicology and Pharmacology</i> , 2021, 86, 103659.	2.0	13
34	Effect of inorganic mercury exposure on reproductive system of male mice: Immunosuppression and fibrosis in testis. <i>Environmental Toxicology</i> , 2022, 37, 69-78.	2.1	15
35	Resveratrol sustains intestinal barrier integrity, improves antioxidant capacity, and alleviates inflammation in the jejunum of ducks exposed to acute heat stress. <i>Poultry Science</i> , 2021, 100, 101459.	1.5	28
36	Inhibition of the Nrf2/p38MAPK pathway involved in deltamethrin-induced apoptosis and fibrosis in quail kidney. <i>Food and Chemical Toxicology</i> , 2021, 155, 112382.	1.8	18

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37	Pulmonary inflammatory and fibrogenic response induced by graphitized multi-walled carbon nanotube involved in cGAS-STING signaling pathway. <i>Journal of Hazardous Materials</i> , 2021, 417, 125984.	6.5	47
38	Melatonin ameliorates trimethyltin chloride-induced cardiotoxicity: The role of nuclear xenobiotic metabolism and Keap1-Nrf2/ARE axis-mediated pyroptosis. <i>BioFactors</i> , 2022, 48, 481-497.	2.6	14
39	Phytomelatonin: a potential phytotherapeutic intervention on COVID-19-exposed individuals. <i>Microbes and Infection</i> , 2022, 24, 104886.	1.0	8
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42	The aggravation of allergic airway inflammation with dibutyl phthalate involved in Nrf2-mediated activation of the mast cells. <i>Science of the Total Environment</i> , 2021, 789, 148029.	3.9	12
43	Schizandrin B attenuates hypoxia/reoxygenation injury in H9c2 cells by activating the AMPK/Nrf2 signaling pathway. <i>Experimental and Therapeutic Medicine</i> , 2021, 21, 220.	0.8	15
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45	Luteolin Confers Cerebroprotection after Subarachnoid Hemorrhage by Suppression of NLPR3 Inflammasome Activation through Nrf2-Dependent Pathway. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-18.	1.9	21
46	Molecular mechanism of inhibitory effects of melatonin on prostate cancer cell proliferation, migration and invasion. <i>PLoS ONE</i> , 2022, 17, e0261341.	1.1	7
47	Targeting Oxidative Stress as a Therapeutic Approach for Idiopathic Pulmonary Fibrosis. <i>Frontiers in Pharmacology</i> , 2021, 12, 794997.	1.6	39
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49	ox-LDL-Induced Endothelial Progenitor Cell Oxidative Stress via p38/Keap1/Nrf2 Pathway. <i>Stem Cells International</i> , 2022, 2022, 1-15.	1.2	8
50	Galangin Reverses H2O2-Induced Dermal Fibroblast Senescence via SIRT1-PGC-1 α /Nrf2 Signaling. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1387.	1.8	33
51	FGF10 protects against particulate matter (PM)-induced lung injury via regulation of endoplasmic reticulum stress. <i>International Immunopharmacology</i> , 2022, 105, 108552.	1.7	3
52	Protective role of Siberian onions against toxin-induced liver dysfunction: an insight into health-promoting effects. <i>Food and Function</i> , 2022, 13, 4678-4690.	2.1	5
53	Hesperidin protects against cisplatin-induced cardiotoxicity in mice by regulating the p62-Keap1-Nrf2 pathway. <i>Food and Function</i> , 2022, 13, 4205-4215.	2.1	7
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55	Sagittaria sagittifolia polysaccharide protects against six-heavy-metal-induced hepatic injury associated with the activation of Nrf2 pathway to regulate oxidative stress and apoptosis. <i>Journal of Inorganic Biochemistry</i> , 2022, 232, 111810.	1.5	7
56	The heart as a target for deltamethrin toxicity: Inhibition of Nrf2/HO-1 pathway induces oxidative stress and results in inflammation and apoptosis. <i>Chemosphere</i> , 2022, 300, 134479.	4.2	46
57	Galectin-1 alleviates myocardial ischemia-reperfusion injury by reducing the inflammation and apoptosis of cardiomyocytes. <i>Experimental and Therapeutic Medicine</i> , 2021, 23, 143.	0.8	5
58	Peptides Isolated from Yak Milk Residue Exert Antioxidant Effects through Nrf2 Signal Pathway. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-17.	1.9	10
59	Exogenous Melatonin Activating Nuclear Factor E2-Related Factor 2 (Nrf2) Pathway via Melatonin Receptor to Reduce Oxidative Stress and Apoptosis in Antler Mesenchymal Stem Cells. <i>Molecules</i> , 2022, 27, 2515.	1.7	0
60	Deltamethrin induces apoptosis in cerebrum neurons of quail via promoting endoplasmic reticulum stress and mitochondrial dysfunction. <i>Environmental Toxicology</i> , 2022, 37, 2033-2043.	2.1	31
61	Mycelium polysaccharides of <i>Macrolepiota procera</i> alleviate reproductive impairments induced by nonylphenol. <i>Food and Function</i> , 2022, 13, 5794-5806.	2.1	7
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63	Capsaicin Prevents Contrast-Associated Acute Kidney Injury through Activation of Nrf2 in Mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-13.	1.9	4
64	Resveratrol Attenuates High Glucose-Induced Osteoblast Dysfunction via AKT/GSK3 β /FYN-Mediated NRF2 Activation. <i>Frontiers in Pharmacology</i> , 2022, 13, .	1.6	14
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66	Downregulation of C1RP Prone Cells to Oxidative Injury via Regulating Nrf2 Signaling Pathway. <i>BioMed Research International</i> , 2022, 2022, 1-8.	0.9	0
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71	Chronic exposure to deltamethrin disrupts intestinal health and intestinal microbiota in juvenile crucian carp. <i>Ecotoxicology and Environmental Safety</i> , 2022, 241, 113732.	2.9	13
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74	Magnesium Lithospermate B Protects Against Cisplatin-Induced Acute Kidney Injury via Alleviating Mitochondrial Dysfunction. <i>Drug Design, Development and Therapy</i> , 0, Volume 16, 2293-2304.	2.0	2
75	Tetramethylpyrazine Protects Endothelial Injury and Antithrombosis via Antioxidant and Antiapoptosis in HUVECs and Zebrafish. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-14.	1.9	2
76	Sirtuins and cognition: implications for learning and memory in neurological disorders. <i>Frontiers in Physiology</i> , 0, 13, .	1.3	12
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82	Effects of thiacloprid exposure on microbiota-gut-liver axis: Multiomics mechanistic analysis in Japanese quails. <i>Journal of Hazardous Materials</i> , 2023, 442, 130082.	6.5	16
83	The Role of Nrf2 in Pulmonary Fibrosis: Molecular Mechanisms and Treatment Approaches. <i>Antioxidants</i> , 2022, 11, 1685.	2.2	12
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88	Modulation of tumor-associated macrophages in colitis-associated colorectal cancer. <i>Journal of Cellular Physiology</i> , 2022, 237, 4443-4459.	2.0	3
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90	Betanin ameliorates fipronil-induced nephrotoxicity via activation of Nrf2-HO-1/NQO-1 pathway in albino rat model. <i>Toxicology Research</i> , 2022, 11, 975-986.	0.9	1

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92	Rosmarinic acid protects against lipopolysaccharide-induced cardiac dysfunction via activating Sirt1/PGC-1 β pathway to alleviate mitochondrial impairment. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2023, 50, 218-227.	0.9	5
93	Eleutheroside B ameliorated high altitude pulmonary edema by attenuating ferroptosis and necroptosis through Nrf2-antioxidant response signaling. <i>Biomedicine and Pharmacotherapy</i> , 2022, 156, 113982.	2.5	5
94	Melatonin attenuates bisphenol A-induced colon injury by dual targeting mitochondrial dynamics and Nrf2 antioxidant system via activation of SIRT1/PGC-1 β signaling pathway. <i>Free Radical Biology and Medicine</i> , 2023, 195, 13-22.	1.3	14
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99	Polysaccharide from <i>Flammulina velutipes</i> residues protects mice from Pb poisoning by activating Akt/GSK3 β /Nrf-2/HO-1 signaling pathway and modulating gut microbiota. <i>International Journal of Biological Macromolecules</i> , 2023, 230, 123154.	3.6	6
100	Resveratrol Attenuates Sepsis-Induced Cardiomyopathy in Rats through Anti-Ferroptosis via the Sirt1/Nrf2 Pathway. <i>Journal of Investigative Surgery</i> , 2023, 36, .	0.6	18
101	Effect of Administration of an Equal Dose of Selected Dietary Chemicals on Nrf2 Nuclear Translocation in the Mouse Liver. <i>Oxidative Medicine and Cellular Longevity</i> , 2023, 2023, 1-14.	1.9	0
102	<i>Ganoderma lucidum</i> polysaccharides improve lipid metabolism against high-fat diet-induced dyslipidemia. <i>Journal of Ethnopharmacology</i> , 2023, 309, 116321.	2.0	4
103	Toxic and carcinogenic effects of hexavalent chromium in mammalian cells <i>in vivo</i> and <i>in vitro</i> : a recent update. <i>Journal of Environmental Science and Health, Part C: Toxicology and Carcinogenesis</i> , 2022, 40, 282-315.	0.4	3
104	Flavonoids derived from licorice suppress LPS-induced acute lung injury in mice by inhibiting the cGAS-STING signaling pathway. <i>Food and Chemical Toxicology</i> , 2023, 175, 113732.	1.8	8
105	Manjari Medika Grape Seed Extract Protects Methotrexate-Induced Hepatic Inflammation: Involvement of NF- κ B/NLRP3 and Nrf2/HO-1 Signaling System. <i>Journal of Inflammation Research</i> , 0, Volume 16, 467-492.	1.6	6
106	P-hydroxybenzyl alcohol ameliorates neuronal cerebral ischemia reperfusion injury by activating mitochondrial autophagy through SIRT1. <i>Molecular Medicine Reports</i> , 2023, 27, .	1.1	4
107	Sestrin2 Signaling Pathway Regulates Podocyte Biology and Protects against Diabetic Nephropathy. <i>Journal of Diabetes Research</i> , 2023, 2023, 1-15.	1.0	2
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109	The role of mitochondrial dynamics imbalance in hexavalent chromium-induced apoptosis and autophagy in rat testis. <i>Chemico-Biological Interactions</i> , 2023, 374, 110424.	1.7	3
110	Quercetin Reprograms Immunometabolism of Macrophages via the SIRT1/PGC-1 β Signaling Pathway to Ameliorate Lipopolysaccharide-Induced Oxidative Damage. <i>International Journal of Molecular Sciences</i> , 2023, 24, 5542.	1.8	3
111	Diosmetin alleviates benzo[<i>a</i>]pyrene-exacerbated H1N1 influenza virus-induced acute lung injury and dysregulation of inflammation through modulation of the PPAR- β -NF- κ B/P38 MAPK signaling axis. <i>Food and Function</i> , 2023, 14, 3357-3378.	2.1	3
112	Polymyxin B exerts nephrotoxicity effects via inhibition of the Nrf2/NQO1 pathway-mediated antioxidant response. <i>Journal of Biochemical and Molecular Toxicology</i> , 2023, 37, .	1.4	0
113	Sulforaphane alleviates lung ischemia-reperfusion injury through activating Nrf2/HO-1 signaling. <i>Experimental and Therapeutic Medicine</i> , 2023, 25, .	0.8	0
114	Cardamonin targets KEAP1/NRF2 signaling in protection against atherosclerosis. <i>Food and Function</i> , 0, , .	2.1	0
115	Development of <i>Moringa oleifera</i> as functional food targeting NRF2 signaling: Antioxidant and anti-inflammatory activity in experimental model systems. <i>Food and Function</i> , 0, , .	2.1	1