Ayman Moawad Mahmoud

List of Publications by Year
in descending order

165 papers	5,930 citations	57631 44 h-index	95083 68 g-index
168 all docs	168 docs citations	168 times ranked	6834 citing authors

#	Article	IF	Citations
1	Hesperidin and naringin attenuate hyperglycemia-mediated oxidative stress and proinflammatory cytokine production in high fat fed/streptozotocin-induced type 2 diabetic rats. Journal of Diabetes and Its Complications, 2012, 26, 483-490.	1.2	294
2	The Role of Nrf2 in Cardiovascular Function and Disease. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-18.	1.9	190
3	Beneficial Effects of Citrus Flavonoids on Cardiovascular and Metabolic Health. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-19.	1.9	158
4	Possible involvement of Nrf2 and PPARÎ³ up-regulation in the protective effect of umbelliferone against cyclophosphamide-induced hepatotoxicity. Biomedicine and Pharmacotherapy, 2017, 86, 297-306.	2.5	132
5	Berberine ameliorates methotrexate-induced liver injury by activating Nrf2/HO-1 pathway and PPARÎ³, and suppressing oxidative stress and apoptosis in rats. Biomedicine and Pharmacotherapy, 2017, 94, 280-291.	2.5	126
6	Coumarins as Modulators of the Keap1/Nrf2/ARE Signaling Pathway. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-25.	1.9	125
7	Methotrexate hepatotoxicity is associated with oxidative stress, and down-regulation of PPARÎ³ and Nrf2: Protective effect of 18Î²-Glycyrrhetinic acid. Chemico-Biological Interactions, 2017, 270, 59-72.	1.7	118
8	Galangin Activates Nrf2 Signaling and Attenuates Oxidative Damage, Inflammation, and Apoptosis in a Rat Model of Cyclophosphamide-Induced Hepatotoxicity. Biomolecules, 2019, 9, 346.	1.8	118
9	18Î²-Glycyrrhetinic acid exerts protective effects against cyclophosphamide-induced hepatotoxicity: potential role of PPARÎ³ and Nrf2 upregulation. Genes and Nutrition, 2015, 10, 41.	1.2	116
10	Ginger alleviates hyperglycemia-induced oxidative stress, inflammation and apoptosis and protects rats against diabetic nephropathy. Biomedicine and Pharmacotherapy, 2018, 106, 381-389.	2.5	114
11	Hesperidin protects against cyclophosphamide-induced hepatotoxicity by upregulation of PPARÎ³ and abrogation of oxidative stress and inflammation. Canadian Journal of Physiology and Pharmacology, 2014, 92, 717-724.	0.7	106
12	Hesperidin protects against chemically induced hepatocarcinogenesis via modulation of Nrf2/ARE/HO-1, PPARÎ³ and TGF-Î²1/Smad3 signaling, and amelioration of oxidative stress and inflammation. Chemico-Biological Interactions, 2017, 277, 146-158.	1.7	104
13	Ferulic acid protects against methotrexate nephrotoxicityviaactivation of Nrf2/ARE/HO-1 signaling and PPARÎ³, and suppression of NF-Î¹B/NLRP3 inflammasome axis. Food and Function, 2019, 10, 4593-4607.	2.1	104
14	Fisetin ameliorates oxidative stress, inflammation and apoptosis in diabetic cardiomyopathy. Life Sciences, 2019, 221, 83-92.	2.0	102
15	Olea europaea leaf extract up-regulates Nrf2/ARE/HO-1 signaling and attenuates cyclophosphamide-induced oxidative stress, inflammation and apoptosis in rat kidney. Biomedicine and Pharmacotherapy, 2019, 111, 676-685.	2.5	98
16	Gallic acid and p-coumaric acid attenuate type 2 diabetes-induced neurodegeneration in rats. Metabolic Brain Disease, 2017, 32, 1279-1286.	1.4	97
17	Cardiac and pulmonary toxicity of mesoporous silica nanoparticles is associated with excessive ROS production and redox imbalance in Wistar rats. Biomedicine and Pharmacotherapy, 2019, 109, 2527-2538.	2.5	87
18	Simvastatin Ameliorates Diabetic Cardiomyopathy by Attenuating Oxidative Stress and Inflammation in Rats. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-13.	1.9	86

#	Article	IF	Citations
19	Ferulic acid prevents oxidative stress, inflammation, and liver injury via upregulation of Nrf2/HO-1 signaling in methotrexate-induced rats. Environmental Science and Pollution Research, 2020, 27, 7910-7921.	2.7	84
20	Obesity: Pathophysiology, monosodium glutamate-induced model and anti-obesity medicinal plants. Biomedicine and Pharmacotherapy, 2019, 111, 503-516.	2.5	82
21	Sitagliptin attenuates cardiomyopathy by modulating the JAK/STAT signaling pathway in experimental diabetic rats. Drug Design, Development and Therapy, 2016, Volume 10, 2095-2107.	2.0	80
22	Berberine mitigates cyclophosphamide-induced hepatotoxicity by modulating antioxidant status and inflammatory cytokines. Journal of Cancer Research and Clinical Oncology, 2014, 140, 1103-1109.	1.2	78
23	Endothelial microparticles prevent lipidâ€induced endothelial damage via Akt/eNOS signaling and reduced oxidative stress. FASEB Journal, 2017, 31, 4636-4648.	0.2	71
24	Stingless bee honey protects against lipopolysaccharide induced-chronic subclinical systemic inflammation and oxidative stress by modulating Nrf2, NF-Îºb and p38 MAPK. Nutrition and Metabolism, 2019, 16, 15.	1.3	71
25	Formononetin Upregulates Nrf2/HO-1 Signaling and Prevents Oxidative Stress, Inflammation, and Kidney Injury in Methotrexate-Induced Rats. Antioxidants, 2019, 8, 430.	2.2	69
26	Mesoporous Silica Nanoparticles Trigger Liver and Kidney Injury and Fibrosis Via Altering TLR4/NF-Îºb, JAK2/STAT3 and Nrf2/HO-1 Signaling in Rats. Biomolecules, 2019, 9, 528.	1.8	68
27	Commiphora molmol protects against methotrexate-induced nephrotoxicity by up-regulating Nrf2/ARE/HO-1 signaling. Biomedicine and Pharmacotherapy, 2018, 106, 499-509.	2.5	67
28	Chicoric acid prevents methotrexate-induced kidney injury by suppressing NF-Îºb/NLRP3 inflammasome activation and up-regulating Nrf2/ARE/HO-1 signaling. Inflammation Research, 2019, 68, 511-523.	1.6	67
29	Modulation of hyperglycemia and dyslipidemia in experimental type 2 diabetes by gallic acid and p-coumaric acid: The role of adipocytokines and PPARÎ³. Biomedicine and Pharmacotherapy, 2018, 105, 1091-1097.	2.5	66
30	18Î²-Glycyrrhetinic acid protects against methotrexate-induced kidney injury by up-regulating the Nrf2/ARE/HO-1 pathway and endogenous antioxidants. Renal Failure, 2016, 38, 1516-1527.	0.8	65
31	Limiting prolonged inflammation during proliferation and remodeling phases of wound healing in streptozotocin-induced diabetic rats supplemented with camel undenatured whey protein. BMC Immunology, 2013, 14, 31.	0.9	62
32	Umbelliferone Ameliorates CCl4-Induced Liver Fibrosis in Rats by Upregulating PPARÎ³ and Attenuating Oxidative Stress, Inflammation, and TGF-Î²1/Smad3 Signaling. Inflammation, 2019, 42, 1103-1116.	1.7	60
33	Olive oil and leaf extract prevent fluoxetine-induced hepatotoxicity by attenuating oxidative stress, inflammation and apoptosis. Biomedicine and Pharmacotherapy, 2018, 98, 446-453.	2.5	59
34	A novel role for small molecule glycomimetics in the protection against lipid-induced endothelial dysfunction: Involvement of Akt/eNOS and Nrf2/ARE signaling. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 3311-3322.	1.1	58
35	Pathophysiological mechanisms of diabetic cardiomyopathy and the therapeutic potential of epigallocatechin-3-gallate. Biomedicine and Pharmacotherapy, 2019, 109, 2155-2172.	2.5	58
36	A phytochemical and computational study on flavonoids isolated from Trifolium resupinatum L. and their novel hepatoprotective activity. Food and Function, 2016, 7, 2094-2106.	2.1	57

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37	Chronic exposure to the opioid tramadol induces oxidative damage, inflammation and apoptosis, and alters cerebral monoamine neurotransmitters in rats. Biomedicine and Pharmacotherapy, 2019, 110, 239-247.	2.5	57
38	Consumption of polyphenol-rich Morus alba leaves extract attenuates early diabetic retinopathy: the underlying mechanism. European Journal of Nutrition, 2017, 56, 1671-1684.	1.8	51
39	Galangin attenuates diabetic cardiomyopathy through modulating oxidative stress, inflammation and apoptosis in rats. Biomedicine and Pharmacotherapy, 2021, 138, 111410.	2.5	51
40	Umbelliferone prevents oxidative stress, inflammation and hematological alterations, and modulates glutamate-nitric oxide-cGMP signaling in hyperammonemic rats. Biomedicine and Pharmacotherapy, 2018, 102, 392-402.	2.5	50
41	Health-related effects and improving extractability of cereal arabinoxylans. International Journal of Biological Macromolecules, 2018, 109, 819-831.	3.6	49
42	Eco-friendly and biodegradable sodium alginate/quaternized chitosan hydrogel for controlled release of urea and its antimicrobial activity. Carbohydrate Polymers, 2022, 291, 119555.	5.1	49
43	Commiphora molmol resin attenuates diethylnitrosamine/phenobarbital-induced hepatocarcinogenesis by modulating oxidative stress, inflammation, angiogenesis and Nrf2/ARE/HO-1 signaling. Chemico-Biological Interactions, 2017, 270, 41-50.	1.7	48
44	In vivo and in vitro antidiabetic effects of citrus flavonoids; a study on the mechanism of action. International Journal of Diabetes in Developing Countries, 2015, 35, 250-263.	0.3	47
45	Gamma-Glutamylcysteine Ethyl Ester Protects against Cyclophosphamide-Induced Liver Injury and Hematologic Alterations via Upregulation of PPARÎ³and Attenuation of Oxidative Stress, Inflammation, and Apoptosis. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-14.	1.9	47
46	Hematological alterations in diabetic rats - Role of adipocytokines and effect of citrus flavonoids. EXCLI Journal, 2013, 12, 647-57.	0.5	47
47	Curcumin and Selenium Prevent Lipopolysaccharide/Diclofenac-Induced Liver Injury by Suppressing Inflammation and Oxidative Stress. Biological Trace Element Research, 2020, 196, 173-183.	1.9	46
48	Simvastatin ameliorates diabetic nephropathy by attenuating oxidative stress and apoptosis in a rat model of streptozotocin-induced type 1 diabetes. Biomedicine and Pharmacotherapy, 2018, 105, 290-298.	2.5	45
49	Ameliorative Effect of Beta vulgaris Root Extract on Chlorpyrifos-Induced Oxidative Stress, Inflammation and Liver Injury in Rats. Biomolecules, 2019, 9, 261.	1.8	45
50	Influence of rutin on biochemical alterations in hyperammonemia in rats. Experimental and Toxicologic Pathology, 2012, 64, 783-789.	2.1	44
51	Caffeic acid phenethyl ester protects the brain against hexavalent chromium toxicity by enhancing endogenous antioxidants and modulating the JAK/STAT signaling pathway. Biomedicine and Pharmacotherapy, 2017, 91, 303-311.	2.5	44
52	Carnitine palmitoyltransferase-1 up-regulation by PPAR-Î²/Î´ prevents lipid-induced endothelial dysfunction. Clinical Science, 2015, 129, 823-837.	1.8	42
53	Taurine and pioglitazone attenuate diabetes-induced testicular damage by abrogation of oxidative stress and up-regulation of the pituitaryâ€“gonadal axis. Canadian Journal of Physiology and Pharmacology, 2016, 94, 651-661.	0.7	42
54	Consequences of various housing systems and dietary supplementation of thymol, carvacrol, and euganol on performance, egg quality, blood chemistry, and antioxidant parameters. Poultry Science, 2020, 99, 4384-4397.	1.5	42

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55	Curcumin Ameliorates Lead-Induced Hepatotoxicity by Suppressing Oxidative Stress and Inflammation, and Modulating Akt/GSK-3Î² Signaling Pathway. Biomolecules, 2019, 9, 703.	1.8	41
56	Thymoquinone and curcumin attenuate gentamicin-induced renal oxidative stress, inflammation and apoptosis in rats. EXCLI Journal, 2014, 13, 98-110.	0.5	41
57	Liposomal Resveratrol and/or Carvedilol Attenuate Doxorubicin-Induced Cardiotoxicity by Modulating Inflammation, Oxidative Stress and S100A1 in Rats. Antioxidants, 2020, 9, 159.	2.2	35
58	Flavonoids-mediated SIRT1 signaling activation in hepatic disorders. Life Sciences, 2020, 259, 118173.	2.0	34
59	Possible involvement of the JAK/STAT signaling pathway in N-acetylcysteine-mediated antidepressant-like effects. Experimental Biology and Medicine, 2016, 241, 509-518.	1.1	33
60	Simvastatin prevents isoproterenol-induced cardiac hypertrophy through modulation of the JAK/STAT pathway. Drug Design, Development and Therapy, 2015, 9, 3217.	2.0	32
61	Rumex dentatus L. phenolics ameliorate hyperglycemia by modulating hepatic key enzymes of carbohydrate metabolism, oxidative stress and PPARÎ³ in diabetic rats. Food and Chemical Toxicology, 2020, 138, 111202.	1.8	32
62	Edaravone and Acetovanillone Upregulate Nrf2 and PI3K/Akt/mTOR Signaling and Prevent Cyclophosphamide Cardiotoxicity in Rats . Drug Design, Development and Therapy, 2020, Volume 14, 5275-5288.	2.0	31
63	Punicalagin prevents cisplatin-induced nephrotoxicity by attenuating oxidative stress, inflammatory response, and apoptosis in rats. Life Sciences, 2021, 286, 120071.	2.0	31
64	Telmisartan attenuates diabetic nephropathy by mitigating oxidative stress and inflammation, and upregulating Nrf2/HO-1 signaling in diabetic rats. Life Sciences, 2022, 291, 120260.	2.0	31
65	Antihyperglycemic Effect of Crude Extracts of Some Egyptian Plants and Algae. Journal of Medicinal Food, 2014, 17, 400-406.	0.8	30
66	The Role of Nrf2 Signaling in PPARÎ²/Î´-Mediated Vascular Protection against Hyperglycemia-Induced Oxidative Stress. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-12.	1.9	30
67	Umbelliferone Inhibits Spermatogenic Defects and Testicular Injury in Lead-Intoxicated Rats by Suppressing Oxidative Stress and Inflammation, and Improving Nrf2/HO-1 Signaling . Drug Design, Development and Therapy, 2020, Volume 14, 4003-4019.	2.0	30
68	Evaluation of Bifidobacteria and Lactobacillus Probiotics as Alternative Therapy for Salmonella typhimurium Infection in Broiler Chickens. Animals, 2020, 10, 1023.	1.0	29
69	Beneficial therapeutic effects of Nigella sativa and/or Zingiber officinale in HCV patients in Egypt. EXCLI Journal, 2013, 12, 943-55.	0.5	28
70	Bee Venom and Hesperidin Effectively Mitigate Complete Freundâ€™s Adjuvant-Induced Arthritis Via Immunomodulation and Enhancement of Antioxidant Defense System. Archives of Rheumatology, 2018, 33, 198-212.	0.3	27
71	Perinatal Exposure to Tartrazine Triggers Oxidative Stress and Neurobehavioral Alterations in Mice Offspring. Antioxidants, 2020, 9, 53.	2.2	27
72	A Comparison of the Gene Expression Profiles of Non-Alcoholic Fatty Liver Disease between Animal Models of a High-Fat Diet and Methionine-Choline-Deficient Diet. Molecules, 2022, 27, 858.	1.7	26

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73	Gallic acid attenuates chromium-induced thyroid dysfunction by modulating antioxidant status and inflammatory cytokines. Environmental Toxicology and Pharmacology, 2016, 48, 225-236.	2.0	25
74	Exercise Amaliorates Metabolic Disturbances and Oxidative Stress in Diabetic Cardiomyopathy: Possible Underlying Mechanisms. Advances in Experimental Medicine and Biology, 2017, 999, 207-230.	0.8	25
75	Insulin-Like Growth Factor (IGF) Binding Protein-2, Independently of IGF-1, Induces GLUT-4 Translocation and Glucose Uptake in 3T3-L1 Adipocytes. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-13.	1.9	24
76	Chicoric acid prevents methotrexate hepatotoxicity via attenuation of oxidative stress and inflammation and up-regulation of PPARÎ³ and Nrf2/HO-1 signaling. Environmental Science and Pollution Research, 2020, 27, 20725-20735.	2.7	24
77	Agomelatine prevents gentamicin nephrotoxicity by attenuating oxidative stress and TLR-4 signaling, and upregulating PPARÎ³ and SIRT1. Life Sciences, 2021, 278, 119600.	2.0	24
78	Berberine Attenuates Isoniazid-Induced Hepatotoxicity by Modulating Peroxisome Proliferator-Activated Receptor Î³, Oxidative Stress and Inflammation. International Journal of Pharmacology, 2014, 10, 451-460.	0.1	24
79	Antihyperglycemic Effects and Mode of Actions of Musa paradisiaca Leaf and Fruit Peel Hydroethanolic Extracts in Nicotinamide/Streptozotocin-Induced Diabetic Rats. Evidence-based Complementary and Alternative Medicine, 2020, 2020, 1-15.	0.5	23
80	Protective Effects of Turbinaria ornata and Padina pavonia against Azoxymethane-Induced Colon Carcinogenesis through Modulation of PPAR Gamma, NF-ÎºB and Oxidative Stress. Phytotherapy Research, 2015, 29, 737-748.	2.8	22
81	The Interplay of Oxidative Stress and Inflammation: Mechanistic Insights and Therapeutic Potential of Antioxidants. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-4.	1.9	22
82	Curcumin and Nano-Curcumin Mitigate Copper Neurotoxicity by Modulating Oxidative Stress, Inflammation, and Akt/GSK-3Î² Signaling. Molecules, 2021, 26, 5591.	1.7	22
83	Farnesol attenuates oxidative stress and liver injury and modulates fatty acid synthase and acetyl-CoA carboxylase in high cholesterol-fed rats. Environmental Science and Pollution Research, 2020, 27, 30118-30132.	2.7	22
84	Activation of AMPK/mTOR-driven autophagy and inhibition of NLRP3 inflammasome by saxagliptin ameliorate ethanol-induced gastric mucosal damage. Life Sciences, 2021, 280, 119743.	2.0	21
85	Umbelliferone prevents isoproterenol-induced myocardial injury by upregulating Nrf2/HO-1 signaling, and attenuating oxidative stress, inflammation, and cell death in rats. Biomedicine and Pharmacotherapy, 2022, 149, 112900.	2.5	21
86	Consumption of Terpenoids-Rich Padina pavonia Extract Attenuates Hyperglycemia, Insulin Resistance and Oxidative Stress, and Upregulates PPARÎ³ in a Rat Model of Type 2 Diabetes. Antioxidants, 2020, 9, 22.	2.2	20
87	Linagliptin mitigates experimental inflammatory bowel disease in rats by targeting inflammatory and redox signaling. Life Sciences, 2021, 273, 119295.	2.0	20
88	The effect of extrusion screw-speed on the water extractability and molecular weight distribution of arabinoxylans from defatted rice bran. Journal of Food Science and Technology, 2018, 55, 1201-1206.	1.4	19
89	Metabolomic Profiling and Antioxidant, Anticancer and Antimicrobial Activities of Hyphaene thebaica. Processes, 2020, 8, 266.	1.3	19
90	Curcumin Prevents Cyclophosphamide-Induced Lung Injury in Rats by Suppressing Oxidative Stress and Apoptosis. Processes, 2020, 8, 127.	1.3	19

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91	Mesenchymal stem cells ameliorate oxidative stress, inflammation, and hepatic fibrosis via Nrf2/HO-1 signaling pathway in rats. Environmental Science and Pollution Research, 2021, 28, 2019-2030.	2.7	19
92	Oxidative Stress in Metabolic Disorders and Drug-Induced Injury: The Potential Role of Nrf2 and PPARs Activators. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-4.	1.9	18
93	Antihyperlipidemic and Antioxidant Effects of Averrhoa Carambola Extract in High-Fat Diet-Fed Rats. Biomedicines, 2019, 7, 72.	1.4	18
94	Protective effects of silymarin, alone or in combination with chlorogenic acid and/or melatonin, against carbon tetrachloride-induced hepatotoxicity. Pharmacognosy Magazine, 2016, 12, 337.	0.3	18
95	Prophylactic effects of Cynara scolymus L. leaf and flower hydroethanolic extracts against diethylnitrosamine/acetylaminoflourene-induced lung cancer in Wistar rats. Environmental Science and Pollution Research, 2021, 28, 43515-43527.	2.7	17
96	Acetovanillone prevents cyclophosphamideâ€induced acute lung injury by modulating <scp>PI3K</scp>/Akt/<scp>mTOR</scp> and Nrf2 signaling in rats. Phytotherapy Research, 2021, 35, 4499-4510.	2.8	17
97	Nano-Curcumin Prevents Cardiac Injury, Oxidative Stress and Inflammation, and Modulates TLR4/NF-ÎºB and MAPK Signaling in Copper Sulfate-Intoxicated Rats. Antioxidants, 2021, 10, 1414.	2.2	17
98	Brown seaweeds protect against azoxymethane-induced hepatic repercussions through up-regulation of peroxisome proliferator-activated receptor gamma and attenuation of oxidative stress. Pharmaceutical Biology, 2016, 54, 2496-2504.	1.3	16
99	Fingerprinting of strong spermatogenesis steroidal saponins in male flowers ofPhoenix dactylifera(Date Palm) by LC-ESI-MS. Natural Product Research, 2017, 31, 2024-2031.	1.0	16
100	New insights into the inÂvitro, in situ and inÂvivo antihyperglycemic mechanisms of gallic acid and p-coumaric acid. Archives of Physiology and Biochemistry, 2022, 128, 1188-1194.	1.0	16
101	Visnagin prevents isoproterenolâ€induced myocardial injury by attenuating oxidative stress and inflammation and upregulating Nrf2 signaling in rats. Journal of Biochemical and Molecular Toxicology, 2021, 35, e22906.	1.4	16
102	Commiphora molmolModulates Glutamate-Nitric Oxide-cGMP and Nrf2/ARE/HO-1 Pathways and Attenuates Oxidative Stress and Hematological Alterations in Hyperammonemic Rats. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-15.	1.9	15
103	Perinatal exposure to energy drink induces oxidative damage in the liver, kidney and brain, and behavioral alterations in mice offspring. Biomedicine and Pharmacotherapy, 2018, 102, 798-811.	2.5	15
104	Spirulina vesicolor Improves Insulin Sensitivity and Attenuates Hyperglycemia-Mediated Oxidative Stress in Fructose-Fed Rats. Journal of Intercultural Ethnopharmacology, 2016, 5, 57.	0.9	15
105	Modulating Oxidative Stress in Drug-Induced Injury and Metabolic Disorders: The Role of Natural and Synthetic Antioxidants. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-5.	1.9	14
106	Galangin Attenuates Liver Injury, Oxidative Stress and Inflammation, and Upregulates Nrf2/HO-1 Signaling in Streptozotocin-Induced Diabetic Rats. Processes, 2021, 9, 1562.	1.3	14
107	Ruta graveolens and its active constituent rutin protect against diethylnitrosamine-induced nephrotoxicity through modulation of oxidative stress. Journal of Applied Pharmaceutical Science, 0, , 016-021.	0.7	14
108	Glucagon Decreases IGF-1 Bioactivity in Humans, Independently of Insulin, by Modulating Its Binding Proteins. Journal of Clinical Endocrinology and Metabolism, 2017, 102, 3480-3490.	1.8	13

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109	Arctium lappa Root Extract Prevents Lead-Induced Liver Injury by Attenuating Oxidative Stress and Inflammation, and Activating Akt/GSK-3Î² Signaling. Antioxidants, 2019, 8, 582.	2.2	13
110	Small Molecule Glycomimetics Inhibit Vascular Calcification via c-Met/Notch3/HES1 Signalling. Cellular Physiology and Biochemistry, 2019, 53, 323-336.	1.1	13
111	Polydatin mitigates pancreatic Î²-cell damage through its antioxidant activity. Biomedicine and Pharmacotherapy, 2021, 133, 111027.	2.5	12
112	Effect of Visnagin on Altered Steroidogenesis and Spermatogenesis, and Testicular Injury Induced by the Heavy Metal Lead. Combinatorial Chemistry and High Throughput Screening, 2021, 24, 758-766.	0.6	12
113	Stone quarrying induces organ dysfunction and oxidative stress in Meriones libycus. Toxicology and Industrial Health, 2018, 34, 679-692.	0.6	11
114	Prevalence and Association of Transfusion Transmitted Infections with ABO and Rh Blood Groups among Blood Donors at the National Blood Bank, Amman, Jordan. Medicina (Lithuania), 2020, 56, 701.	0.8	11
115	Ameliorative Effect of Heat-Killed Lactobacillus plantarum L.137 and/or Aloe vera against Colitis in Mice. Processes, 2020, 8, 225.	1.3	11
116	Melissa officinalis L. ameliorates oxidative stress and inflammation and upregulates Nrf2/HO-1 signaling in the hippocampus of pilocarpine-induced rats. Environmental Science and Pollution Research, 2022, 29, 2214-2226.	2.7	11
117	Hesperidin protects against diethylnitrosamine-induced nephrotoxicity through modulation of oxidative stress and inflammation. National Journal of Physiology, Pharmacy and Pharmacology, 2015, 5, 391.	0.0	11
118	Heavy Metal Accumulation, Tissue Injury, Oxidative Stress, and Inflammation in Dromedary Camels Living near Petroleum Industry Sites in Saudi Arabia. Animals, 2022, 12, 707.	1.0	11
119	Upregulation of Nrf2/HO-1 Signaling and Attenuation of Oxidative Stress, Inflammation, and Cell Death Mediate the Protective Effect of Apigenin against Cyclophosphamide Hepatotoxicity. Metabolites, 2022, 12, 648.	1.3	11
120	Umbelliferone ameliorates oxidative stress and testicular injury, improves steroidogenesis and upregulates peroxisome proliferator-activated receptor gamma in type 2 diabetic rats. Journal of Pharmacy and Pharmacology, 2022, 74, 573-584.	1.2	10
121	Targeting inflammation, autophagy, and apoptosis by troxerutin attenuates methotrexate-induced renal injury in rats. International Immunopharmacology, 2022, 103, 108284.	1.7	10
122	Up-regulation of Hsp72 and keratin16 mediates wound healing in streptozotocin diabetic rats. Biological Research, 2015, 48, 54.	1.5	9
123	Camellia sinensis Prevents Perinatal Nicotine-Induced Neurobehavioral Alterations, Tissue Injury, and Oxidative Stress in Male and Female Mice Newborns. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-16.	1.9	9
124	Improving the extractability of arabinoxylans and the molecular weight of wheat endosperm using extrusion processing. Journal of Cereal Science, 2018, 84, 55-61.	1.8	9
125	Effects of Mining Activities on Gerbillus nanus in Saudi Arabia: A Biochemical and Histological Study. Animals, 2019, 9, 664.	1.0	9
126	Musa paradisiaca L. leaf and fruit peel hydroethanolic extracts improved the lipid profile, glycemic index and oxidative stress in nicotinamide/streptozotocinâ€induced diabetic rats. Veterinary Medicine and Science, 2021, 7, 500-511.	0.6	9

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127	Use of Spilopelia senegalensis as a Biomonitor of Heavy Metal Contamination from Mining Activities in Riyadh (Saudi Arabia). Animals, 2019, 9, 1046.	1.0	8
128	Inhibition of oxidative stress and apoptosis by camel milk mitigates cyclosporineâ€induced nephrotoxicity: Targeting Nrf2/HOâ€1 and AKT/eNOS/NO pathways. Food Science and Nutrition, 2021, 9, 3177-3190.	1.5	8
129	Edaravone mitigates hemorrhagic cystitis by modulating Nrf2, TLRâ€4/NFâ€ºB, and JAK1/STAT3 signaling in cyclophosphamideâ€intoxicated rats. Journal of Biochemical and Molecular Toxicology, 2021, 35, e22889.	1.4	8
130	The modulatory role of sulfated and non-sulfated small molecule heparan sulfate-glycomimetics in endothelial dysfunction: absolute structural clarification, molecular docking and simulated dynamics, SAR analyses and ADMET studies. RSC Medicinal Chemistry, 2021, 12, 779-790.	1.7	8
131	Nano-Curcumin Prevents Copper Reproductive Toxicity by Attenuating Oxidative Stress and Inflammation and Improving Nrf2/HO-1 Signaling and Pituitary-Gonadal Axis in Male Rats. Toxics, 2022, 10, 356.	1.6	8
132	The Role of Flavonoids in Inhibiting IL-6 and Inflammatory Arthritis. Current Topics in Medicinal Chemistry, 2022, 22, 746-768.	1.0	7
133	The Effect of Dietary Saccharomyces cerevisiae on Growth Performance, Oxidative Status, and Immune Response of Sea Bream (Sparus aurata). Life, 2022, 12, 1013.	1.1	7
134	Hepatoprotective Effects of Polydatin-Loaded Chitosan Nanoparticles in Diabetic Rats: Modulation of Glucose Metabolism, Oxidative Stress, and Inflammation Biomarkers. Biochemistry (Moscow), 2021, 86, 179-189.	0.7	6
135	Microencapsulation of Date Seed Oil by Spray-drying for Stabilization of Olive Oil as a Functional Food. Asian Journal of Scientific Research, 2019, 12, 516-523.	0.3	6
136	Green Tea Protects Against Perinatal Nicotine-induced Histological, Biochemical and Hematological Alterations in Mice Offspring. International Journal of Pharmacology, 2017, 13, 109-121.	0.1	6
137	Histological, ultrastructural, and biochemical study on the possible role of Panax ginseng in ameliorating liver injury induced by Lambda cyhalotherin. Beni-Suef University Journal of Basic and Applied Sciences, 2020, 9, .	0.8	6
138	Targeting inflammation and redox perturbations by lisinopril mitigates Freundâ€™s adjuvant-induced arthritis in rats: role of JAK-2/STAT-3/RANKL axis, MMPs, and VEGF. Inflammopharmacology, 2022, 30, 1909-1926.	1.9	6
139	Risk of Drug Resistance and Repeated Infection with Klebsiella pneumoniae and Escherichia coli in Intensive Care Unit Cancer Patients. Combinatorial Chemistry and High Throughput Screening, 2022, 25, 324-334.	0.6	5
140	Ameliorative Effect of Thymoquinone-Loaded PLGA Nanoparticles on Chronic Lung Injury Induced by Repetitive Intratracheal Instillation of Lipopolysaccharide in Rats. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-12.	1.9	5
141	Antiinflammatory natural products from marine algae. , 2021, , 131-159.		4
142	Acute Inflammation and Oxidative Stress Induced by Lipopolysaccharide and the Ameliorative Effect of Stingless Bee Honey. Combinatorial Chemistry and High Throughput Screening, 2021, 24, 744-757.	0.6	4
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