

Ayman Moawad Mahmoud

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

153
papers

3,556
citations

35
h-index

53
g-index

168
ext. papers

4,740
ext. citations

4.5
avg, IF

6.28
L-index

#	Paper	IF	Citations
153	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.. <i>Molecules</i> , 2022 , 27,	4.8	2
152	Development of potential anticancer agents and apoptotic inducers based on 4-aryl-4H chromene scaffold: Design, synthesis, biological evaluation and insight on their proliferation inhibition mechanism. <i>Bioorganic Chemistry</i> , 2022 , 118, 105475	5.1	0
151	Tramadol as an analgesic 2022 , 181-191		
150	Heavy Metal Accumulation, Tissue Injury, Oxidative Stress, and Inflammation in Dromedary Camels Living near Petroleum Industry Sites in Saudi Arabia.. <i>Animals</i> , 2022 , 12,	3.1	2
149	Umbelliferone prevents isoproterenol-induced myocardial injury by upregulating Nrf2/HO-1 signaling, and attenuating oxidative stress, inflammation, and cell death in rats.. <i>Biomedicine and Pharmacotherapy</i> , 2022 , 149, 112900	7.5	2
148	A flavonoid-rich fraction of <i>Monolluma quadrangula</i> inhibits xanthine oxidase and ameliorates potassium oxonate-induced hyperuricemia in rats.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	1
147	Eco-friendly and biodegradable sodium alginate/quaternized chitosan hydrogel for controlled release of urea and its antimicrobial activity. <i>Carbohydrate Polymers</i> , 2022 , 291, 119555	10.3	3
146	Targeting inflammation, autophagy, and apoptosis by troxerutin attenuates methotrexate-induced renal injury in rats.. <i>International Immunopharmacology</i> , 2021 , 103, 108284	5.8	1
145	Telmisartan attenuates diabetic nephropathy by mitigating oxidative stress and inflammation, and upregulating Nrf2/HO-1 signaling in diabetic rats.. <i>Life Sciences</i> , 2021 , 291, 120260	6.8	3
144	The Role of Natural and Synthetic Antioxidants in Modulating Oxidative Stress in Drug-Induced Injury and Metabolic Disorders 2020. <i>Oxidative Medicine and Cellular Longevity</i> , 2021 , 2021, 1-3	6.7	0
143	Punicalagin prevents cisplatin-induced nephrotoxicity by attenuating oxidative stress, inflammatory response, and apoptosis in rats. <i>Life Sciences</i> , 2021 , 286, 120071	6.8	4
142	Prophylactic effects of <i>Cynara scolymus</i> L. leaf and flower hydroethanolic extracts against diethylnitrosamine/acetylamino-flourene-induced lung cancer in Wistar rats. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 43515-43527	5.1	8
141	Inhibition of oxidative stress and apoptosis by camel milk mitigates cyclosporine-induced nephrotoxicity: Targeting Nrf2/HO-1 and AKT/eNOS/NO pathways. <i>Food Science and Nutrition</i> , 2021 , 9, 3177-3190	3.2	1
140	Acetovanillone prevents cyclophosphamide-induced acute lung injury by modulating PI3K/Akt/mTOR and Nrf2 signaling in rats. <i>Phytotherapy Research</i> , 2021 , 35, 4499-4510	6.7	3
139	Ameliorative Effect of Thymoquinone-Loaded PLGA Nanoparticles on Chronic Lung Injury Induced by Repetitive Intratracheal Instillation of Lipopolysaccharide in Rats. <i>Oxidative Medicine and Cellular Longevity</i> , 2021 , 2021, 5511523	6.7	1
138	Linagliptin mitigates experimental inflammatory bowel disease in rats by targeting inflammatory and redox signaling. <i>Life Sciences</i> , 2021 , 273, 119295	6.8	7
137	Effect of Visnagin on Altered Steroidogenesis and Spermatogenesis, and Testicular Injury Induced by the Heavy Metal Lead. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2021 , 24, 758-766	1.3	6

136	Galangin attenuates diabetic cardiomyopathy through modulating oxidative stress, inflammation and apoptosis in rats. <i>Biomedicine and Pharmacotherapy</i> , 2021 , 138, 111410	7.5	8
135	Acute Inflammation and Oxidative Stress Induced by Lipopolysaccharide and the Ameliorative Effect of Stingless Bee Honey. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2021 , 24, 744-757	1.3	2
134	Umbelliferone ameliorates oxidative stress and testicular injury, improves steroidogenesis and upregulates peroxisome proliferator-activated receptor gamma in type 2 diabetic rats. <i>Journal of Pharmacy and Pharmacology</i> , 2021 ,	4.8	2
133	Polydatin mitigates pancreatic β cell damage through its antioxidant activity. <i>Biomedicine and Pharmacotherapy</i> , 2021 , 133, 111027	7.5	5
132	Musa paradisiaca L. leaf and fruit peel hydroethanolic extracts improved the lipid profile, glycemic index and oxidative stress in nicotinamide/streptozotocin-induced diabetic rats. <i>Veterinary Medicine and Science</i> , 2021 , 7, 500-511	2.1	2
131	Mesenchymal stem cells ameliorate oxidative stress, inflammation, and hepatic fibrosis via Nrf2/HO-1 signaling pathway in rats. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 2019-2030	5.1	7
130	Antiinflammatory natural products from marine algae 2021 , 175-203		1
129	Hepatoprotective Effects of Polydatin-Loaded Chitosan Nanoparticles in Diabetic Rats: Modulation of Glucose Metabolism, Oxidative Stress, and Inflammation Biomarkers. <i>Biochemistry (Moscow)</i> , 2021 , 86, 179-189	2.9	2
128	Anethum graveolens Prevents Liver and Kidney Injury, Oxidative Stress and Inflammation in Mice Exposed to Nicotine Perinatally. <i>Coatings</i> , 2021 , 11, 838	2.9	
127	The Interplay of Oxidative Stress and Inflammation: Mechanistic Insights and Therapeutic Potential of Antioxidants. <i>Oxidative Medicine and Cellular Longevity</i> , 2021 , 2021, 1-4	6.7	2
126	Edaravone mitigates hemorrhagic cystitis by modulating Nrf2, TLR-4/NF- κ B, and JAK1/STAT3 signaling in cyclophosphamide-intoxicated rats. <i>Journal of Biochemical and Molecular Toxicology</i> , 2021 , 35, e22889	3.4	1
125	Melissa officinalis L. ameliorates oxidative stress and inflammation and upregulates Nrf2/HO-1 signaling in the hippocampus of pilocarpine-induced rats. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	1
124	Agomelatine prevents gentamicin nephrotoxicity by attenuating oxidative stress and TLR-4 signaling, and upregulating PPAR α and SIRT1. <i>Life Sciences</i> , 2021 , 278, 119600	6.8	4
123	Visnagin prevents isoproterenol-induced myocardial injury by attenuating oxidative stress and inflammation and upregulating Nrf2 signaling in rats. <i>Journal of Biochemical and Molecular Toxicology</i> , 2021 , 35, e22906	3.4	3
122	Galangin Attenuates Liver Injury, Oxidative Stress and Inflammation, and Upregulates Nrf2/HO-1 Signaling in Streptozotocin-Induced Diabetic Rats. <i>Processes</i> , 2021 , 9, 1562	2.9	2
121	Activation of AMPK/mTOR-driven autophagy and inhibition of NLRP3 inflammasome by saxagliptin ameliorate ethanol-induced gastric mucosal damage. <i>Life Sciences</i> , 2021 , 280, 119743	6.8	5
120	Curcumin and Nano-Curcumin Mitigate Copper Neurotoxicity by Modulating Oxidative Stress, Inflammation, and Akt/GSK-3 β Signaling. <i>Molecules</i> , 2021 , 26,	4.8	5
119	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. <i>RSC Medicinal Chemistry</i> , 2021 , 12, 779-790	3.5	4

118	Edaravone and Acetovanillone Upregulate Nrf2 and PI3K/Akt/mTOR Signaling and Prevent Cyclophosphamide Cardiotoxicity in Rats. <i>Drug Design, Development and Therapy</i> , 2020 , 14, 5275-5288	4.4	10
117	New insights into the , and antihyperglycemic mechanisms of gallic acid and -coumaric acid. <i>Archives of Physiology and Biochemistry</i> , 2020 , 1-7	2.2	7
116	Evaluation of and Probiotics as Alternative Therapy for Infection in Broiler Chickens. <i>Animals</i> , 2020 , 10,	3.1	12
115	Chicoric acid prevents methotrexate hepatotoxicity via attenuation of oxidative stress and inflammation and up-regulation of PPAR α and Nrf2/HO-1 signaling. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 20725-20735	5.1	9
114	Ameliorative Effect of Heat-Killed Lactobacillus plantarum L.137 and/or Aloe vera against Colitis in Mice. <i>Processes</i> , 2020 , 8, 225	2.9	2
113	Metabolomic Profiling and Antioxidant, Anticancer and Antimicrobial Activities of Hyphaene thebaica. <i>Processes</i> , 2020 , 8, 266	2.9	7
112	Rumex dentatus L. phenolics ameliorate hyperglycemia by modulating hepatic key enzymes of carbohydrate metabolism, oxidative stress and PPAR α in diabetic rats. <i>Food and Chemical Toxicology</i> , 2020 , 138, 111202	4.7	11
111	Curcumin Prevents Cyclophosphamide-Induced Lung Injury in Rats by Suppressing Oxidative Stress and Apoptosis. <i>Processes</i> , 2020 , 8, 127	2.9	3
110	Antihyperglycemic Effects and Mode of Actions of Leaf and Fruit Peel Hydroethanolic Extracts in Nicotinamide/Streptozotocin-Induced Diabetic Rats. <i>Evidence-based Complementary and Alternative Medicine</i> , 2020 , 2020, 9276343	2.3	12
109	Perinatal Exposure to Tartrazine Triggers Oxidative Stress and Neurobehavioral Alterations in Mice Offspring. <i>Antioxidants</i> , 2020 , 9,	7.1	8
108	Coumarins as Modulators of the Keap1/Nrf2/ARE Signaling Pathway. <i>Oxidative Medicine and Cellular Longevity</i> , 2020 , 2020, 1675957	6.7	55
107	Camel Urine Prevents Cisplatin-induced Nephrotoxicity in Rats by Attenuating Oxidative Stress and Apoptosis. <i>International Journal of Pharmacology</i> , 2020 , 16, 257-266	0.7	
106	Liposomal Resveratrol and/or Carvedilol Attenuate Doxorubicin-Induced Cardiotoxicity by Modulating Inflammation, Oxidative Stress and S100A1 in Rats. <i>Antioxidants</i> , 2020 , 9,	7.1	14
105	Adenium obesum Flowers Extract Mitigates Testicular Injury and Oxidative Stress in Streptozotocin-induced Diabetic Rats. <i>International Journal of Pharmacology</i> , 2020 , 16, 310-318	0.7	2
104	Histological, ultrastructural, and biochemical study on the possible role of Panax ginseng in ameliorating liver injury induced by Lambda cyhalothrin. <i>Beni-Suef University Journal of Basic and Applied Sciences</i> , 2020 , 9,	2.2	2
103	Farnesol attenuates oxidative stress and liver injury and modulates fatty acid synthase and acetyl-CoA carboxylase in high cholesterol-fed rats. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 30118-30132	5.1	8
102	Curcumin and Selenium Prevent Lipopolysaccharide/Diclofenac-Induced Liver Injury by Suppressing Inflammation and Oxidative Stress. <i>Biological Trace Element Research</i> , 2020 , 196, 173-183	4.5	20
101	Ferulic acid prevents oxidative stress, inflammation, and liver injury via upregulation of Nrf2/HO-1 signaling in methotrexate-induced rats. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 7910-7921	5.1	38

100	Umbelliferone Inhibits Spermatogenic Defects and Testicular Injury in Lead-Intoxicated Rats by Suppressing Oxidative Stress and Inflammation, and Improving Nrf2/HO-1 Signaling. <i>Drug Design, Development and Therapy</i> , 2020 , 14, 4003-4019	4.4	14
99	Consequences of various housing systems and dietary supplementation of thymol, carvacrol, and euganol on performance, egg quality, blood chemistry, and antioxidant parameters. <i>Poultry Science</i> , 2020 , 99, 4384-4397	3.9	23
98	Flavonoids-mediated SIRT1 signaling activation in hepatic disorders. <i>Life Sciences</i> , 2020 , 259, 118173	6.8	15
97	Effect of antidiabetic therapy on TNF- α , IL-18, IL-23 and IL-35 levels in T2DM patients with coincidental Helicobacter pylori infection. <i>Journal of Taibah University for Science</i> , 2020 , 14, 1377-1385	3	1
96	Prevalence and Association of Transfusion Transmitted Infections with ABO and Rh Blood Groups among Blood Donors at the National Blood Bank, Amman, Jordan. <i>Medicina (Lithuania)</i> , 2020 , 56,	3.1	3
95	Effects of Mining Activities on in Saudi Arabia: A Biochemical and Histological Study. <i>Animals</i> , 2019 , 9,	3.1	7
94	Antihyperlipidemic and Antioxidant Effects of Extract in High-Fat Diet-Fed Rats. <i>Biomedicines</i> , 2019 , 7,	4.8	8
93	Mesoporous Silica Nanoparticles Trigger Liver and Kidney Injury and Fibrosis Via Altering TLR4/NF- κ B, JAK2/STAT3 and Nrf2/HO-1 Signaling in Rats. <i>Biomolecules</i> , 2019 , 9,	5.9	27
92	Formononetin Upregulates Nrf2/HO-1 Signaling and Prevents Oxidative Stress, Inflammation, and Kidney Injury in Methotrexate-Induced Rats. <i>Antioxidants</i> , 2019 , 8,	7.1	40
91	Ferulic acid protects against methotrexate nephrotoxicity via activation of Nrf2/ARE/HO-1 signaling and PPAR α and suppression of NF- κ B/NLRP3 inflammasome axis. <i>Food and Function</i> , 2019 , 10, 4593-4607	6.1	65
90	Chronic exposure to 35% carbamide peroxide tooth bleaching agent induces histological and hematological alterations, oxidative stress, and inflammation in mice. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 17427-17437	5.1	3
89	Chicoric acid prevents methotrexate-induced kidney injury by suppressing NF- κ B/NLRP3 inflammasome activation and up-regulating Nrf2/ARE/HO-1 signaling. <i>Inflammation Research</i> , 2019 , 68, 511-523	7.2	41
88	Stingless bee honey protects against lipopolysaccharide induced-chronic subclinical systemic inflammation and oxidative stress by modulating Nrf2, NF- κ B and p38 MAPK. <i>Nutrition and Metabolism</i> , 2019 , 16, 15	4.6	40
87	Beneficial Effects of Citrus Flavonoids on Cardiovascular and Metabolic Health. <i>Oxidative Medicine and Cellular Longevity</i> , 2019 , 2019, 5484138	6.7	86
86	Umbelliferone Ameliorates CCl ₄ -Induced Liver Fibrosis in Rats by Upregulating PPAR α and Attenuating Oxidative Stress, Inflammation, and TGF- β 1/Smad3 Signaling. <i>Inflammation</i> , 2019 , 42, 1103-1116	5.1	42
85	Fisetin ameliorates oxidative stress, inflammation and apoptosis in diabetic cardiomyopathy. <i>Life Sciences</i> , 2019 , 221, 83-92	6.8	64
84	Galangin Activates Nrf2 Signaling and Attenuates Oxidative Damage, Inflammation, and Apoptosis in a Rat Model of Cyclophosphamide-Induced Hepatotoxicity. <i>Biomolecules</i> , 2019 , 9,	5.9	71
83	Ameliorative Effect of Root Extract on Chlorpyrifos-Induced Oxidative Stress, Inflammation and Liver Injury in Rats. <i>Biomolecules</i> , 2019 , 9,	5.9	26

82	Curcumin Ameliorates Lead-Induced Hepatotoxicity by Suppressing Oxidative Stress and Inflammation, and Modulating Akt/GSK-3 β Signaling Pathway. <i>Biomolecules</i> , 2019 , 9,	5.9	24
81	Small Molecule Glycomimetics Inhibit Vascular Calcification via c-Met/Notch3/HES1 Signalling. <i>Cellular Physiology and Biochemistry</i> , 2019 , 53, 323-336	3.9	8
80	Microencapsulation of Date Seed Oil by Spray-drying for Stabilization of Olive Oil as a Functional Food. <i>Asian Journal of Scientific Research</i> , 2019 , 12, 516-523	0.3	3
79	Consumption of Terpenoids-Rich Extract Attenuates Hyperglycemia, Insulin Resistance and Oxidative Stress, and Upregulates PPAR α in a Rat Model of Type 2 Diabetes. <i>Antioxidants</i> , 2019 , 9,	7.1	12
78	Efficient removal of Cd (II) from contaminated water and soils using nanoparticles from nitrogen fertilizer industry waste. <i>Journal of Environmental Health Science & Engineering</i> , 2019 , 17, 1153-1161	2.9	2
77	Root Extract Prevents Lead-Induced Liver Injury by Attenuating Oxidative Stress and Inflammation, and Activating Akt/GSK-3 β Signaling. <i>Antioxidants</i> , 2019 , 8,	7.1	9
76	Use of as a Biomonitor of Heavy Metal Contamination from Mining Activities in Riyadh (Saudi Arabia). <i>Animals</i> , 2019 , 9,	3.1	5
75	Pathophysiological mechanisms of diabetic cardiomyopathy and the therapeutic potential of epigallocatechin-3-gallate. <i>Biomedicine and Pharmacotherapy</i> , 2019 , 109, 2155-2172	7.5	31
74	Obesity: Pathophysiology, monosodium glutamate-induced model and anti-obesity medicinal plants. <i>Biomedicine and Pharmacotherapy</i> , 2019 , 111, 503-516	7.5	50
73	Olea europaea leaf extract up-regulates Nrf2/ARE/HO-1 signaling and attenuates cyclophosphamide-induced oxidative stress, inflammation and apoptosis in rat kidney. <i>Biomedicine and Pharmacotherapy</i> , 2019 , 111, 676-685	7.5	66
72	Deleterious effects of perinatal exposure to potassium bromate on the development of offspring of Swiss mice. <i>Toxicology and Industrial Health</i> , 2019 , 35, 63-78	1.8	
71	Chronic exposure to the opioid tramadol induces oxidative damage, inflammation and apoptosis, and alters cerebral monoamine neurotransmitters in rats. <i>Biomedicine and Pharmacotherapy</i> , 2019 , 110, 239-247	7.5	30
70	Cardiac and pulmonary toxicity of mesoporous silica nanoparticles is associated with excessive ROS production and redox imbalance in Wistar rats. <i>Biomedicine and Pharmacotherapy</i> , 2019 , 109, 2527-2538	7.5	54
69	Perinatal exposure to energy drink induces oxidative damage in the liver, kidney and brain, and behavioral alterations in mice offspring. <i>Biomedicine and Pharmacotherapy</i> , 2018 , 102, 798-811	7.5	8
68	The effect of extrusion screw-speed on the water extractability and molecular weight distribution of arabinoxylans from defatted rice bran. <i>Journal of Food Science and Technology</i> , 2018 , 55, 1201-1206	3.3	15
67	Olive oil and leaf extract prevent fluoxetine-induced hepatotoxicity by attenuating oxidative stress, inflammation and apoptosis. <i>Biomedicine and Pharmacotherapy</i> , 2018 , 98, 446-453	7.5	36
66	Umbelliferone prevents oxidative stress, inflammation and hematological alterations, and modulates glutamate-nitric oxide-cGMP signaling in hyperammonemic rats. <i>Biomedicine and Pharmacotherapy</i> , 2018 , 102, 392-402	7.5	35
65	The Role of Nrf2 Signaling in PPAR α -Mediated Vascular Protection against Hyperglycemia-Induced Oxidative Stress. <i>Oxidative Medicine and Cellular Longevity</i> , 2018 , 2018, 5852706	6.7	22

64	Stone quarrying induces organ dysfunction and oxidative stress in <i>Meriones libycus</i> . <i>Toxicology and Industrial Health</i> , 2018 , 34, 679-692	1.8	5
63	Commiphora molmol protects against methotrexate-induced nephrotoxicity by up-regulating Nrf2/ARE/HO-1 signaling. <i>Biomedicine and Pharmacotherapy</i> , 2018 , 106, 499-509	7.5	48
62	Ginger alleviates hyperglycemia-induced oxidative stress, inflammation and apoptosis and protects rats against diabetic nephropathy. <i>Biomedicine and Pharmacotherapy</i> , 2018 , 106, 381-389	7.5	69
61	Simvastatin ameliorates diabetic nephropathy by attenuating oxidative stress and apoptosis in a rat model of streptozotocin-induced type 1 diabetes. <i>Biomedicine and Pharmacotherapy</i> , 2018 , 105, 290-298	7.5	34
60	Health-related effects and improving extractability of cereal arabinoxylans. <i>International Journal of Biological Macromolecules</i> , 2018 , 109, 819-831	7.9	32
59	Bee Venom and Hesperidin Effectively Mitigate Complete Freund's Adjuvant-Induced Arthritis Via Immunomodulation and Enhancement of Antioxidant Defense System. <i>Archives of Rheumatology</i> , 2018 , 33, 198-212	0.9	19
58	Improving the extractability of arabinoxylans and the molecular weight of wheat endosperm using extrusion processing. <i>Journal of Cereal Science</i> , 2018 , 84, 55-61	3.8	5
57	Modulation of hyperglycemia and dyslipidemia in experimental type 2 diabetes by gallic acid and p-coumaric acid: The role of adipocytokines and PPAR α . <i>Biomedicine and Pharmacotherapy</i> , 2018 , 105, 1091-1097	7.5	45
56	Consumption of polyphenol-rich <i>Morus alba</i> leaves extract attenuates early diabetic retinopathy: the underlying mechanism. <i>European Journal of Nutrition</i> , 2017 , 56, 1671-1684	5.2	31
55	Methotrexate hepatotoxicity is associated with oxidative stress, and down-regulation of PPAR α and Nrf2: Protective effect of 18 β -glycyrrhetic acid. <i>Chemico-Biological Interactions</i> , 2017 , 270, 59-72	5	85
54	Commiphora molmol resin attenuates diethylnitrosamine/phenobarbital-induced hepatocarcinogenesis by modulating oxidative stress, inflammation, angiogenesis and Nrf2/ARE/HO-1 signaling. <i>Chemico-Biological Interactions</i> , 2017 , 270, 41-50	5	34
53	Caffeic acid phenethyl ester protects the brain against hexavalent chromium toxicity by enhancing endogenous antioxidants and modulating the JAK/STAT signaling pathway. <i>Biomedicine and Pharmacotherapy</i> , 2017 , 91, 303-311	7.5	28
52	Gallic acid and p-coumaric acid attenuate type 2 diabetes-induced neurodegeneration in rats. <i>Metabolic Brain Disease</i> , 2017 , 32, 1279-1286	3.9	71
51	Possible involvement of Nrf2 and PPAR α up-regulation in the protective effect of umbelliferone against cyclophosphamide-induced hepatotoxicity. <i>Biomedicine and Pharmacotherapy</i> , 2017 , 86, 297-306	7.5	95
50	Fingerprinting of strong spermatogenesis steroidal saponins in male flowers of <i>Phoenix dactylifera</i> (Date Palm) by LC-ESI-MS. <i>Natural Product Research</i> , 2017 , 31, 2024-2031	2.3	12
49	Hesperidin protects against chemically induced hepatocarcinogenesis via modulation of Nrf2/ARE/HO-1, PPAR α and TGF- β /Smad3 signaling, and amelioration of oxidative stress and inflammation. <i>Chemico-Biological Interactions</i> , 2017 , 277, 146-158	5	65
48	Exercise Ameliorates Metabolic Disturbances and Oxidative Stress in Diabetic Cardiomyopathy: Possible Underlying Mechanisms. <i>Advances in Experimental Medicine and Biology</i> , 2017 , 999, 207-230	3.6	17
47	Simvastatin Ameliorates Diabetic Cardiomyopathy by Attenuating Oxidative Stress and Inflammation in Rats. <i>Oxidative Medicine and Cellular Longevity</i> , 2017 , 2017, 1092015	6.7	56

46	The Role of Nrf2 in Cardiovascular Function and Disease. <i>Oxidative Medicine and Cellular Longevity</i> , 2017 , 2017, 9237263	6.7	123
45	Prevents Perinatal Nicotine-Induced Neurobehavioral Alterations, Tissue Injury, and Oxidative Stress in Male and Female Mice Newborns. <i>Oxidative Medicine and Cellular Longevity</i> , 2017 , 2017, 5985219	6.7	7
44	Berberine ameliorates methotrexate-induced liver injury by activating Nrf2/HO-1 pathway and PPAR α and suppressing oxidative stress and apoptosis in rats. <i>Biomedicine and Pharmacotherapy</i> , 2017 , 94, 280-291	7.5	74
43	Glucagon Decreases IGF-1 Bioactivity in Humans, Independently of Insulin, by Modulating Its Binding Proteins. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017 , 102, 3480-3490	5.6	6
42	Endothelial microparticles prevent lipid-induced endothelial damage Akt/eNOS signaling and reduced oxidative stress. <i>FASEB Journal</i> , 2017 , 31, 4636-4648	0.9	62
41	A novel role for small molecule glycomimetics in the protection against lipid-induced endothelial dysfunction: Involvement of Akt/eNOS and Nrf2/ARE signaling. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017 , 1861, 3311-3322	4	50
40	Insulin-Like Growth Factor (IGF) Binding Protein-2, Independently of IGF-1, Induces GLUT-4 Translocation and Glucose Uptake in 3T3-L1 Adipocytes. <i>Oxidative Medicine and Cellular Longevity</i> , 2017 , 2017, 3035184	6.7	19
39	Modulates Glutamate-Nitric Oxide-cGMP and Nrf2/ARE/HO-1 Pathways and Attenuates Oxidative Stress and Hematological Alterations in Hyperammonemic Rats. <i>Oxidative Medicine and Cellular Longevity</i> , 2017 , 2017, 7369671	6.7	11
38	Green Tea Protects Against Perinatal Nicotine-induced Histological, Biochemical and Hematological Alterations in Mice Offspring. <i>International Journal of Pharmacology</i> , 2017 , 13, 109-121	0.7	4
37	177 Endothelial Microparticles: Novel Regulators of Vascular Calcification in vitro. <i>Heart</i> , 2016 , 102, A123.3-A123	3.3	123
36	Possible involvement of the JAK/STAT signaling pathway in N-acetylcysteine-mediated antidepressant-like effects. <i>Experimental Biology and Medicine</i> , 2016 , 241, 509-18	3.7	20
35	Taurine and pioglitazone attenuate diabetes-induced testicular damage by abrogation of oxidative stress and up-regulation of the pituitary-gonadal axis. <i>Canadian Journal of Physiology and Pharmacology</i> , 2016 , 94, 651-61	2.4	33
34	A phytochemical and computational study on flavonoids isolated from <i>Trifolium resupinatum</i> L. and their novel hepatoprotective activity. <i>Food and Function</i> , 2016 , 7, 2094-106	6.1	46
33	Protective Effects of Silymarin, Alone or in Combination with Chlorogenic Acid and/or Melatonin, Against Carbon Tetrachloride-induced Hepatotoxicity. <i>Pharmacognosy Magazine</i> , 2016 , 12, S337-45	0.8	15
32	Protective Effects of Umbelliferone in Experimental Testicular Ischaemia/ Reperfusion Injury in Rats. <i>Anatomy & Physiology: Current Research</i> , 2016 , 06,		3
31	Spirulina versicolor improves insulin sensitivity and attenuates hyperglycemia-mediated oxidative stress in fructose-fed rats. <i>Journal of Intercultural Ethnopharmacology</i> , 2016 , 5, 57-64		8
30	Sitagliptin attenuates cardiomyopathy by modulating the JAK/STAT signaling pathway in experimental diabetic rats. <i>Drug Design, Development and Therapy</i> , 2016 , 10, 2095-107	4.4	58
29	Gamma-Glutamylcysteine Ethyl Ester Protects against Cyclophosphamide-Induced Liver Injury and Hematologic Alterations via Upregulation of PPAR and Attenuation of Oxidative Stress, Inflammation, and Apoptosis. <i>Oxidative Medicine and Cellular Longevity</i> , 2016 , 2016, 4016209	6.7	39

28	204 Glycomimetics; A Novel Class of Drugs to Protect Against Free Fatty Acid-Induced Endothelial Dysfunction. <i>Heart</i> , 2016 , 102, A136.1-A136	5.1	
27	Gallic acid attenuates chromium-induced thyroid dysfunction by modulating antioxidant status and inflammatory cytokines. <i>Environmental Toxicology and Pharmacology</i> , 2016 , 48, 225-236	5.8	16
26	Brown seaweeds protect against azoxymethane-induced hepatic repercussions through up-regulation of peroxisome proliferator-activated receptor gamma and attenuation of oxidative stress. <i>Pharmaceutical Biology</i> , 2016 , 54, 2496-2504	3.8	15
25	18EGlycyrrhetic acid protects against methotrexate-induced kidney injury by up-regulating the Nrf2/ARE/HO-1 pathway and endogenous antioxidants. <i>Renal Failure</i> , 2016 , 38, 1516-1527	2.9	48
24	Protective Effects of Turbinaria ornata and Padina pavonia against Azoxymethane-Induced Colon Carcinogenesis through Modulation of PPAR Gamma, NF- κ B and Oxidative Stress. <i>Phytotherapy Research</i> , 2015 , 29, 737-48	6.7	18
23	180 Endothelial microparticles prevent lipid-induced endothelial dysfunction through activation of AKT/ENOS signalling pathway and attenuation of oxidative stress. <i>Heart</i> , 2015 , 101, A102.1-A102	5.1	
22	18EGlycyrrhetic acid exerts protective effects against cyclophosphamide-induced hepatotoxicity: potential role of PPAR α and Nrf2 upregulation. <i>Genes and Nutrition</i> , 2015 , 10, 41	4.3	84
21	Up-regulation of Hsp72 and keratin16 mediates wound healing in streptozotocin diabetic rats. <i>Biological Research</i> , 2015 , 48, 54	7.6	6
20	Carnitine palmitoyltransferase-1 up-regulation by PPAR- γ prevents lipid-induced endothelial dysfunction. <i>Clinical Science</i> , 2015 , 129, 823-37	6.5	33
19	43 A novel role for small molecule glycomimetics in the protection against lipid-induced endothelial dysfunction. <i>Heart</i> , 2015 , 101, A14.2-A14	5.1	
18	Simvastatin prevents isoproterenol-induced cardiac hypertrophy through modulation of the JAK/STAT pathway. <i>Drug Design, Development and Therapy</i> , 2015 , 9, 3217-29	4.4	26
17	In vivo and in vitro antidiabetic effects of citrus flavonoids; a study on the mechanism of action. <i>International Journal of Diabetes in Developing Countries</i> , 2015 , 35, 250-263	0.8	28
16	Hesperidin protects against diethylnitrosamine-induced nephrotoxicity through modulation of oxidative stress and inflammation. <i>National Journal of Physiology, Pharmacy and Pharmacology</i> , 2015 , 5, 391	2.6	9
15	Berberine mitigates cyclophosphamide-induced hepatotoxicity by modulating antioxidant status and inflammatory cytokines. <i>Journal of Cancer Research and Clinical Oncology</i> , 2014 , 140, 1103-9	4.9	65
14	Antihyperglycemic effect of crude extracts of some Egyptian plants and algae. <i>Journal of Medicinal Food</i> , 2014 , 17, 400-6	2.8	22
13	Hesperidin protects against cyclophosphamide-induced hepatotoxicity by upregulation of PPAR α and abrogation of oxidative stress and inflammation. <i>Canadian Journal of Physiology and Pharmacology</i> , 2014 , 92, 717-24	2.4	83
12	PROTECTIVE EFFECTS OF PEROXISOME PROLIFERATOR-ACTIVATED RECEPTOR (PPAR)- γ ACTIVATION ON LIPID-INDUCED ENDOTHELIAL DYSFUNCTION via CARNITINE PALMITOYL TRANSFERASE-1 UPREGULATION. <i>Heart</i> , 2014 , 100, A9.1-A9	5.1	
11	Thymoquinone and curcumin attenuate gentamicin-induced renal oxidative stress, inflammation and apoptosis in rats. <i>EXCLI Journal</i> , 2014 , 13, 98-110	2.4	34

10	Berberine Attenuates Isoniazid-Induced Hepatotoxicity by Modulating Peroxisome Proliferator-Activated Receptor α Oxidative Stress and Inflammation. <i>International Journal of Pharmacology</i> , 2014 , 10, 451-460	0.7	20
9	Limiting prolonged inflammation during proliferation and remodeling phases of wound healing in streptozotocin-induced diabetic rats supplemented with camel undenatured whey protein. <i>BMC Immunology</i> , 2013 , 14, 31	3.7	49
8	Hematological alterations in diabetic rats - Role of adipocytokines and effect of citrus flavonoids. <i>EXCLI Journal</i> , 2013 , 12, 647-57	2.4	35
7	Beneficial therapeutic effects of <i>Nigella sativa</i> and/or <i>Zingiber officinale</i> in HCV patients in Egypt. <i>EXCLI Journal</i> , 2013 , 12, 943-55	2.4	22
6	Hesperidin and naringin attenuate hyperglycemia-mediated oxidative stress and proinflammatory cytokine production in high fat fed/streptozotocin-induced type 2 diabetic rats. <i>Journal of Diabetes and Its Complications</i> , 2012 , 26, 483-90	3.2	234
5	Influence of rutin on biochemical alterations in hyperammonemia in rats. <i>Experimental and Toxicologic Pathology</i> , 2012 , 64, 783-9		35
4	<i>Ruta graveolens</i> and its active constituent rutin protect against diethylnitrosamine-induced nephrotoxicity through modulation of oxidative stress. <i>Journal of Applied Pharmaceutical Science</i> , 016-021		7
3	Sildenafil reduces ischemia/reperfusion testicular injury after torsion/detorsion in rats. <i>Journal of Applied Pharmaceutical Science</i> , 135-140	2	4
2	Modulatory effect of berberine on adipose tissue PPAR α adipocytokines and oxidative stress in high fat diet/ streptozotocin-induced diabetic rats. <i>Journal of Applied Pharmaceutical Science</i> ,	2	4
1	Hesperidin protects against diethylnitrosamine/carbon tetrachloride-induced renal repercussions via up-regulation of Nrf2/HO-1 signaling and attenuation of oxidative stress. <i>Journal of Applied Pharmaceutical Science</i> ,	2	2