Antioxidants Maintain Cellular Redox Homeostasis by E Species

Cellular Physiology and Biochemistry

44, 532-553

DOI: 10.1159/000485089

Citation Report

#	Article	IF	Citations
1	Evaluation of Methods for Characterizing Carbofuran Hydrolysis in Soil. Journal of Environmental Quality, 1991, 20, 763-769.	1.0	18
2	The Double-Edged Sword Profile of Redox Signaling: Oxidative Events As Molecular Switches in the Balance between Cell Physiology and Cancer. Chemical Research in Toxicology, 2018, 31, 201-210.	1.7	56
3	Natural Products and Their Benefits in Cancer Prevention. , 2018, , 51-61.		3
4	Bioactive Components, Diet and Medical Treatment in Cancer Prevention. , 2018, , .		0
5	Mechanistic insight into thein vitrotoxicity of graphene oxide against biofilm forming bacteria using laser-induced breakdown spectroscopy. Nanoscale, 2018, 10, 4475-4487.	2.8	58
6	Mutual interaction between oxidative stress and endoplasmic reticulum stress in the pathogenesis of diseases specifically focusing on non-alcoholic fatty liver disease. World Journal of Biological Chemistry, 2018, 9, 1-15.	1.7	57
7	Effect of Azadirachta indica flower extract on functional recovery of sciatic nerve crush injury in rat models of DM. Experimental and Therapeutic Medicine, 2018, 17, 541-550.	0.8	8
8	Doxorubicin-Induced Cardiotoxicity. , 2018, , .		2
9	Targeting Thioredoxin System with an Organosulfur Compound, Diallyl Trisulfide (DATS), Attenuates Progression and Metastasis of Triple-Negative Breast Cancer (TNBC). Cellular Physiology and Biochemistry, 2018, 50, 1945-1963.	1.1	35
10	Clostridium difficile toxin B induces senescence in enteric glial cells: A potential new mechanism of Clostridium difficile pathogenesis. Biochimica Et Biophysica Acta - Molecular Cell Research, 2018, 1865, 1945-1958.	1.9	24
11	Lactobacillus paracasei ssp. paracasei YBJ01 reduced d-galactoseâ€“induced oxidation in male Kuming mice. Journal of Dairy Science, 2018, 101, 10664-10674.	1.4	20
12	Chelerythrine induced cell death through ROS-dependent ER stress in human prostate cancer cells. OncoTargets and Therapy, 2018, Volume 11, 2593-2601.	1.0	28
13	A review of biological and pharmacological activities of Baccharis trimera. Chemico-Biological Interactions, 2018, 296, 65-75.	1.7	28
14	Subacute intoxication with sodium nitrate induces hematological and biochemical alterations and liver injury in male Wistar rats. Ecotoxicology and Environmental Safety, 2018, 166, 48-55.	2.9	8
15	Effect of matrix metalloproteinase 8 inhibitor and chlorhexidine on the cytotoxicity, oxidative stress and cytokine level of MDPC-23. Dental Materials, 2018, 34, e301-e308.	1.6	3
16	Molecular Basis of Oxidative Stress andÂInflammation. , 2018, , 41-62.		2
17	The role of cellular reactive oxygen species in cancer chemotherapy. Journal of Experimental and Clinical Cancer Research, 2018, 37, 266.	3.5	488
18	Antioxidative CXXC Peptide Motif From Mesencephalic Astrocyte-Derived Neurotrophic Factor Antagonizes Programmed Cell Death. Frontiers in Cell and Developmental Biology, 2018, 6, 106.	1.8	7

#	Article	IF	Citations
19	Reactive Oxygen and Nitrogen Speciesâ€“Induced Protein Modifications: Implication in Carcinogenesis and Anticancer Therapy. Cancer Research, 2018, 78, 6040-6047.	0.4	132
20	Sonic hedgehog protects endometrial hyperplasial cells against oxidative stress via suppressing mitochondrial fission protein dynamin-like GTPase (Drp1). Free Radical Biology and Medicine, 2018, 129, 582-599.	1.3	31
21	Molecular Mechanisms Involved in Oxidative Stress-Associated Liver Injury Induced by Chinese Herbal Medicine: An Experimental Evidence-Based Literature Review and Network Pharmacology Study. International Journal of Molecular Sciences, 2018, 19, 2745.	1.8	57
22	Low concentrations of clarithromycin upregulate cellular antioxidant enzymes and phosphorylation of extracellular signal-regulated kinase in human small airway epithelial cells. Journal of Pharmaceutical Health Care and Sciences, 2018, 4, 23.	0.4	5
23	Chelating and antioxidant properties of l-Dopa containing tetrapeptide for the treatment of neurodegenerative diseases. Neuropeptides, 2018, 71, 11-20.	0.9	9
24	Bacterial inactivation and in situ monitoring of biofilm development on graphene oxide membrane using optical coherence tomography. Journal of Membrane Science, 2018, 564, 22-34.	4.1	36
25	Effect of P450 Oxidoreductase Polymorphisms on the Metabolic Activities of Ten Cytochrome P450s Varied by Polymorphic CYP Genotypes in Human Liver Microsomes. Cellular Physiology and Biochemistry, 2018, 47, 1604-1616.	1.1	14
26	Effects of Glucagon-Like Peptide-1 on Oxidative Stress and Nrf2 Signaling. International Journal of Molecular Sciences, 2018, 19, 26.	1.8	96
27	Autophagy: The Last Defense against Cellular Nutritional Stress. Advances in Nutrition, 2018, 9, 493-504.	2.9	124
28	Modulation of the Oxidative Stress and Lipid Peroxidation by Endocannabinoids and Their Lipid Analogues. Antioxidants, 2018, 7, 93.	2.2	71
29	Implications of PI3K/AKT/PTEN Signaling on Superoxide Dismutases Expression and in the Pathogenesis of Alzheimerâ€™s Disease. Diseases (Basel, Switzerland), 2018, 6, 28.	1.0	65
30	Defining Hsp33's Redox-regulated Chaperone Activity and Mapping Conformational Changes on Hsp33 Using Hydrogen-deuterium Exchange Mass Spectrometry. Journal of Visualized Experiments, 2018, , .	0.2	5
31	Exogenous Zinc Forms Counteract NaCl-Induced Damage by Regulating the Antioxidant System, Osmotic Adjustment Substances, and Ions in Canola (Brassica napus L. cv. Pactol) Plants. Journal of Soil Science and Plant Nutrition, 2019, 19, 887-899.	1.7	43
32	Bioadhesive functional hydrogels: Controlled release of catechol species with antioxidant and antiinflammatory behavior. Materials Science and Engineering C, 2019, 105, 110040.	3.8	55
33	Revisiting Oxidative Stress and the Use of Organic Selenium in Dairy Cow Nutrition. Animals, 2019, 9, 462.	1.0	69
34	New Insights into the Process of Placentation and the Role of Oxidative Uterine Microenvironment. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-18.	1.9	37
35	Evaluation and Monitoring of Superoxide Dismutase (SOD) Activity and its Clinical Significance in Gastric Cancer: A Systematic Review and Meta-Analysis. Medical Science Monitor, 2019, 25, 2032-2042.	0.5	17
36	In vitro anticancer activity of fucoidan extracted from Sargassum cinereum against Caco-2 cells. International Journal of Biological Macromolecules, 2019, 138, 618-628.	3.6	63

#	Article	IF	Citations
37	Hydroxytyrosyl Oleate: Improved Extraction Procedure from Olive Oil and By-Products, and In Vitro Antioxidant and Skin Regenerative Properties. Antioxidants, 2019, 8, 233.	2.2	28
38	Effects of traditional Chinese medicines on immunity and culturable gut microflora to Oncorhynchus masou. Fish and Shellfish Immunology, 2019, 93, 322-327.	1.6	31
39	Neuroprotective effects of some seaweeds against Zn â€“ induced neuronal damage in HT-22 cells via modulation of redox imbalance, inhibition of apoptosis and acetylcholinesterase activity. Metabolic Brain Disease, 2019, 34, 1615-1627.	1.4	15
40	Reformulating Pro-Oxidant Microglia in Neurodegeneration. Journal of Clinical Medicine, 2019, 8, 1719.	1.0	47
41	Ameliorative roles of melatonin and/or zeolite on chromium-induced leaf senescence in marjoram plants by activating antioxidant defense, osmolyte accumulation, and ultrastructural modification. Industrial Crops and Products, 2019, 142, 111823.	2.5	31
42	Nanotherapeutics interfere with cellular redox homeostasis for highly improved photodynamic therapy. Biomaterials, 2019, 224, 119500.	5.7	51
43	The Mechanisms Underlying the Cytotoxic Effects of Copper Via Differentiated Embryonic Chondrocyte Gene 1. International Journal of Molecular Sciences, 2019, 20, 5225.	1.8	15
44	Redox-Mediated Mechanism of Chemoresistance in Cancer Cells. Antioxidants, 2019, 8, 471.	2.2	100
45	Protective Effects of Aqueous Extract of Mentha suaveolens against Oxidative Stress-Induced Damages in Human Keratinocyte HaCaT Cells. Evidence-based Complementary and Alternative Medicine, 2019, 2019, 1-8.	0.5	8
46	Reactive Oxygen Species-Induced Lipid Peroxidation in Apoptosis, Autophagy, and Ferroptosis. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-13.	1.9	947
47	Anticancer Activity of Alkynylgold(I) with P(NMe2)3 Phosphane in Mouse Colon Tumors and Human Colon Carcinoma Caco-2 Cell Line. Inorganic Chemistry, 2019, 58, 15536-15551.	1.9	13
48	Building relationships through accountability: An expanded idea of accountability. Organizational Psychology Review, 2019, 9, 184-206.	3.0	8
49	Effect of in ovo feeding of vitamin C on antioxidation and immune function of broiler chickens. Animal, 2019, 13, 1927-1933.	1.3	37
50	Cyclosporin A protects trophoblasts from H2O2-induced oxidative injury via FAK-Src pathway. Biochemical and Biophysical Research Communications, 2019, 518, 423-429.	1.0	7
51	The chronic effects of cyanide on oxidative stress indices in the domestic chicken (Gallus domesticus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.4	6
52	Intracellular free radical scavenging activity and protective role of mammalian cells by antioxidant peptide from thioredoxin disulfide reductase of Arthrospira platensis. Journal of Functional Foods, 2019, 61, 103513.	1.6	22
53	The effect of cysteine oxidation on DJ-1 cytoprotective function in human alveolar type II cells. Cell Death and Disease, 2019, 10, 638.	2.7	27
54	Perioperative Vitamin C and E levels in Cardiac Surgery Patients and Their Clinical Significance. Nutrients, 2019, 11, 2157.	1.7	14

#	Article	IF	Citations
55	Oxidative stress response in the pathogenesis of dengue virus virulence, disease prognosis and therapeutics: an update. Archives of Virology, 2019, 164, 2895-2908.	0.9	26
56	Microarray Analysis of Gene Expression Provides New Insights Into Denervation-Induced Skeletal Muscle Atrophy. Frontiers in Physiology, 2019, 10, 1298.	1.3	61
57	Effect of chronic L-carnitine supplementation on carnitine levels, oxidative stress and apoptotic markers in peripheral organs of adult Wistar rats. Food and Chemical Toxicology, 2019, 134, 110851.	1.8	15
58	Selenium Status and Hemolysis in Sickle Cell Disease Patients. Nutrients, 2019, 11, 2211.	1.7	8
59	Complete degradation of bisphenol A and nonylphenol by a composite of biogenic manganese oxides and Escherichia coli cells with surface-displayed multicopper oxidase CotA. Chemical Engineering Journal, 2019, 362, 897-908.	6.6	25
60	Innate Immunity Provides Biomarkers of Health for Teleosts Exposed to Nanoparticles. Frontiers in Immunology, 2018, 9, 3074.	2.2	27
61	Exogenous Melatonin Counteracts NaCl-Induced Damage by Regulating the Antioxidant System, Proline and Carbohydrates Metabolism in Tomato Seedlings. International Journal of Molecular Sciences, 2019, 20, 353.	1.8	145
62	Maduramicin induces apoptosis through ROS-PP5-JNK pathway in skeletal myoblast cells and muscle tissue. Toxicology, 2019, 424, 152239.	2.0	11
63	Differential impacts of brain stem oxidative stress and nitrosative stress on sympathetic vasomotor tone. , 2019, 201, 120-136.		17
64	Activation of the p38/MAPK pathway regulates autophagy in response to the CYPOR-dependent oxidative stress induced by zearalenone in porcine intestinal epithelial cells. Food and Chemical Toxicology, 2019, 131, 110527.	1.8	37
65	Oxidative Stress Produced by Hyperthyroidism Status Induces the Antioxidant Enzyme Transcription through the Activation of the Nrf-2 Factor in Lymphoid Tissues of Balb/c Mice. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-14.	1.9	22
66	Molecular mechanisms of fumonisin B1-induced toxicities and its applications in the mechanism-based interventions. Toxicon, 2019, 167, 1-5.	0.8	58
67	Hepatoprotective effect of silver nanoparticles synthesized using aqueous leaf extract of Rhizophora apiculata . International Journal of Nanomedicine, 2019, Volume 14, 3517-3524.	3.3	31
68	Milk Fat Globule Membrane Supplementation Promotes Neonatal Growth and Alleviates Inflammation in Low-Birth-Weight Mice Treated with Lipopolysaccharide. BioMed Research International, 2019, 2019, 1-10.	0.9	27
69	Bioavailability and Bioactivity of Selenium from Wheat (Triticum aestivum), Maize (Zea) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Agricultural and Food Chemistry, 2019, 67, 6366-6376.	2.4	5
70	Biological Responses to Nanoscale Particles. Nanoscience and Technology, 2019, , .	1.5	9
71	Overexpression of the Melatonin Synthesis-Related Gene SlCOMT1 Improves the Resistance of Tomato to Salt Stress. Molecules, 2019, 24, 1514.	1.7	53
72	Zeolite Clinoptilolite: Therapeutic Virtues of an Ancient Mineral. Molecules, 2019, 24, 1517.	1.7	92

#	Article	IF	Citations
73	Nanoparticle-Cell Interactions: Overview of Uptake, Intracellular Fate and Induction of Cell Responses. Nanoscience and Technology, 2019, , 153-170.	1.5	6
74	Hydrogen-rich saline ameliorated LPS-induced acute lung injury via autophagy inhibition through the ROS/AMPK/mTOR pathway in mice. Experimental Biology and Medicine, 2019, 244, 721-727.	1.1	19
75	Peptides from Cauliflower By-Products, Obtained by an Efficient, Ecosustainable, and Semi-Industrial Method, Exert Protective Effects on Endothelial Function. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-13.	1.9	17
76	Effect of Oxidative Stress on the Estrogen-NOS-NO-K_{Ca} Channel Pathway in Uteroplacental Dysfunction: Its Implication in Pregnancy Complications. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-19.	1.9	19
77	Anethole Supplementation During Oocyte Maturation Improves In Vitro Production of Bovine Embryos. Reproductive Sciences, 2019, , 193371911983178.	1.1	7
78	A Review of the Role of Green Tea (Camellia sinensis) in Antiphotoaging, Stress Resistance, Neuroprotection, and Autophagy. Nutrients, 2019, 11, 474.	1.7	243
79	Effects of zearalenone and its derivatives on the synthesis and secretion of mammalian sex steroid hormones: A review. Food and Chemical Toxicology, 2019, 126, 262-276.	1.8	76
80	MicroRNA-365 Knockdown Prevents Ischemic Neuronal Injury by Activating Oxidation Resistance 1-Mediated Antioxidant Signals. Neuroscience Bulletin, 2019, 35, 815-825.	1.5	16
81	SIPA1L3 methylation modifies the benefit of smoking cessation on lung adenocarcinoma survival: an epigenomicâ€“smoking interaction analysis. Molecular Oncology, 2019, 13, 1235-1248.	2.1	19
82	Dietary Patterns, Skeletal Muscle Health, and Sarcopenia in Older Adults. Nutrients, 2019, 11, 745.	1.7	135
83	Biological Aging Parameters Can Be Improved After Autologous Adipose-Derived Stem Cell Injection. Journal of Craniofacial Surgery, 2019, 30, 652-658.	0.3	4
84	Revisiting the role of ROS and RNS in plants under changing environment. Environmental and Experimental Botany, 2019, 161, 1-3.	2.0	136
85	Peptides from Mucuna pruriens L., with protection and antioxidant in vitro effect on HeLa cell line. Journal of the Science of Food and Agriculture, 2019, 99, 4167-4173.	1.7	16
86	A new perspective on oxidation of DNA repair proteins and cancer. DNA Repair, 2019, 76, 60-69.	1.3	28
87	Cytotoxic Activity of the Histone Deacetylase 3-Selective Inhibitor Pojamide on MDA-MB-231 Triple-Negative Breast Cancer Cells. International Journal of Molecular Sciences, 2019, 20, 804.	1.8	15
88	Nrf2â€“ARE Signaling Acts as Master Pathway for the Cellular Antioxidant Activity of Fisetin. Molecules, 2019, 24, 708.	1.7	35
89	p53 as a hub in cellular redox regulation and therapeutic target in cancer. Journal of Molecular Cell Biology, 2019, 11, 330-341.	1.5	71
90	Subchronic Exposure to Cadmium Causes Persistent Changes in the Reproductive System in Female Wistar Rats. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-17.	1.9	35

#	Article	IF	Citations
91	CCl₄-Induced Liver Injury Was Ameliorated by Qi-Ge Decoction through the Antioxidant Pathway. Evidence-based Complementary and Alternative Medicine, 2019, 2019, 1-12.	0.5	21
92	mTOR-Mediated Antioxidant Activation in Solid Tumor Radioresistance. Journal of Oncology, 2019, 2019, 1-11.	0.6	24
93	Inhibition of Neointima Hyperplasia, Inflammation, and Reactive Oxygen Species in Balloon-Injured Arteries by HVJ Envelope Vector-Mediated Delivery of Superoxide Dismutase Gene. Translational Stroke Research, 2019, 10, 413-427.	2.3	8
94	Dietary Tributyrin Attenuates Intestinal Inflammation, Enhances Mitochondrial Function, and Induces Mitophagy in Piglets Challenged with Diquat. Journal of Agricultural and Food Chemistry, 2019, 67, 1409-1417.	2.4	18
95	Effectiveness of Fragment C Domain of Tetanus Toxin and Pramipexole in an Animal Model of Parkinsonâ€™s Disease. Neurotoxicity Research, 2019, 35, 699-710.	1.3	10
96	Potentiometric method of plant microsuspensions antioxidant activity determination. Food Chemistry, 2019, 278, 653-658.	4.2	22
97	Metabolic reprogramming in breast cancer results in distinct mitochondrial bioenergetics between luminal and basal subtypes. FEBS Journal, 2019, 286, 688-709.	2.2	69
98	Hepatoprotective effect of chiisanoside from Acanthopanax sessiliflorus against LPS/Dâ€GalNâ€induced acute liver injury by inhibiting NFâ€ÎB and activating Nrf2/HOâ€1 signaling pathways. Journal of the Science of Food and Agriculture, 2019, 99, 3283-3290.	1.7	23
99	A Study of the Activity of Recombinant Mn-Superoxide Dismutase in the Presence of Gold and Silver Nanoparticles. Applied Biochemistry and Biotechnology, 2019, 187, 1551-1568.	1.4	14
100	Maternal perinatal calorie restriction temporally regulates the hepatic autophagy and redox status in male rat. Free Radical Biology and Medicine, 2019, 130, 592-600.	1.3	16
101	Variations in the total phenolics and antioxidant activities among garden pea (Pisum sativum L.) genotypes differing for maturity duration, seed and flower traits and their association with the yield. Scientia Horticulturae, 2019, 244, 141-150.	1.7	32
102	Radix et Rhizoma Ginseng chemoprevents both initiation and promotion of cutaneous carcinoma by enhancing cell-mediated immunity and maintaining redox homeostasis. Journal of Ginseng Research, 2020, 44, 580-592.	3.0	5
103	Consequences on aging process and human wellness of generation of nitrogen and oxygen species during strenuous exercise. Aging Male, 2020, 23, 14-22.	0.9	14
104	An Insight for Potent In-Vitro Antioxidant Status of Short-Chain Peptides. International Journal of Peptide Research and Therapeutics, 2020, 26, 1437-1449.	0.9	1
105	Melatonin mediates mucosal immune cells, microbial metabolism, and rhythm crosstalk: A therapeutic target to reduce intestinal inflammation. Medicinal Research Reviews, 2020, 40, 606-632.	5.0	100
106	Evaluation of antioxidant peptides generated from Jiuzao (residue after Baijiu distillation) protein hydrolysates and their effect of enhancing healthy value of Chinese Baijiu. Journal of the Science of Food and Agriculture, 2020, 100, 59-73.	1.7	36
107	Melatonin promotes the development of immature oocytes from the COH cycle into healthy offspring by protecting mitochondrial function. Journal of Pineal Research, 2020, 68, e12621.	3.4	50
108	Survival of silk worm, Bombyx mori in azaserine induced oxidative stress. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2020, 228, 108637.	1.3	0

#	Article	IF	Citations
109	Metabolism of Reactive Oxygen Species in Osteosarcoma and Potential Treatment Applications. Cells, 2020, 9, 87.	1.8	22
110	Chronic and Acute Toxicities of Aflatoxins: Mechanisms of Action. International Journal of Environmental Research and Public Health, 2020, 17, 423.	1.2	233
111	Novel N,Nâ€²-Disubstituted Acylselenoureas as Potential Antioxidant and Cytotoxic Agents. Antioxidants, 2020, 9, 55.	2.2	25
112	Dietary Supplementation with Chitosan Oligosaccharides Alleviates Oxidative Stress in Rats Challenged with Hydrogen Peroxide. Animals, 2020, 10, 55.	1.0	16
113	A bis-indole/carbazole based C5-curcuminoid fluorescent probe with large Stokes shift for selective detection of biothiols and application to live cell imaging. Analyst, The, 2020, 145, 1184-1189.	1.7	12
114	In vivo evaluation of the toxic and genotoxic effects of exposure to cobalt nanoparticles using Drosophila melanogaster. Environmental Science: Nano, 2020, 7, 610-622.	2.2	34
115	ROS-responsive polyurethane fibrous patches loaded with methylprednisolone (MP) for restoring structures and functions of infarcted myocardium in vivo. Biomaterials, 2020, 232, 119726.	5.7	87
116	Quercetin-induced yeast apoptosis through mitochondrial dysfunction under the accumulation of magnesium in Candida albicans. Fungal Biology, 2020, 124, 83-90.	1.1	32
117	Expression of Arabidopsis thaliana Thioredoxin-h2 in Brassica napus enhances antioxidant defenses and improves salt tolerance. Plant Physiology and Biochemistry, 2020, 147, 313-321.	2.8	25
118	The colon epithelium as a target for the intracellular antioxidant activity of hydroxytyrosol: A study on rat colon explants. Journal of Functional Foods, 2020, 64, 103604.	1.6	1
119	Green synthesized zinc oxide nanoparticles regulates the apoptotic expression in bone cancer cells MG-63 cells. Journal of Photochemistry and Photobiology B: Biology, 2020, 202, 111644.	1.7	46
120	Apoptosis and necroptosis-inducing effects of arctigenin on nasal septum carcinoma RPMI-2650 cells in 2D and 3D culture. Molecular and Cellular Toxicology, 2020, 16, 1-11.	0.8	6
121	Enzymatic, Non-enzymatatic Antioxidant Levels and Heat Shock Protein Expression as Indicators of Metal Induced Toxicity and Reproductive Modulation in Female Indian Major Carp Cirrhinus cirrhosus. Bulletin of Environmental Contamination and Toxicology, 2020, 104, 235-244.	1.3	11
122	Structural features of microbial exopolysaccharides in relation to their antioxidant activity. Carbohydrate Research, 2020, 487, 107881.	1.1	81
123	Curcumin Alleviates Oxaliplatin-Induced Peripheral Neuropathic Pain through Inhibiting Oxidative Stress-Mediated Activation of NF-Î²B and Mitigating Inflammation. Biological and Pharmaceutical Bulletin, 2020, 43, 348-355.	0.6	52
124	The effect of immobilized antioxidant enzymes on the oxidative stress in UV-irradiated rat skin. Nanomedicine, 2020, 15, 23-39.	1.7	13
125	Fumaria parviflora regulates oxidative stress and apoptosis gene expression in the rat model of varicocele induction. Andrologia, 2020, 52, e13826.	1.0	22
126	Fabrication of monodispersed copper oxide nanoparticles with potential application as antimicrobial agents. Scientific Reports, 2020, 10, 16680.	1.6	125

#	Article	IF	Citations
127	Betanin as a multipath oxidative stress and inflammation modulator: a beetroot pigment with protective effects on cardiovascular disease pathogenesis. Critical Reviews in Food Science and Nutrition, 2022, 62, 539-554.	5.4	47
128	The NRF2/KEAP1 Pathway Modulates Nasopharyngeal Carcinoma Cell Radiosensitivity via ROS Elimination . OncoTargets and Therapy, 2020, Volume 13, 9113-9122.	1.0	5
129	N-Acetyl Cysteine Modulates the Inflammatory and Oxidative Stress Responses of Rescued Growth-Arrested Dental Pulp Microtissues Exposed to TEGDMA in ECM. International Journal of Molecular Sciences, 2020, 21, 7318.	1.8	5
130	Hepatotoxicity of aflatoxin B1 and its oxidative effects in wood dust Egyptian exposed workers. Archives of Environmental and Occupational Health, 2021, 76, 561-566.	0.7	9
131	Association of superoxide dismutase enzyme with staging and grade of differentiation colorectal cancer: A cross-sectional study. Annals of Medicine and Surgery, 2020, 58, 194-199.	0.5	14
132	Quantitative proteomic analysis reveals differentially expressed proteins in Leishmania major metacyclogenesis. Microbial Pathogenesis, 2020, 149, 104557.	1.3	7
133	Behavioral and Biochemical Effects of Mukia madrespatana Following Single Immobilization Stress on Rats. Medicina (Lithuania), 2020, 56, 350.	0.8	9
134	Effects of acute heat stress at different ambient temperature on hepatic redox status in broilers. Poultry Science, 2020, 99, 4113-4122.	1.5	30
135	Speciation, toxicity mechanism and remediation ways of heavy metals during composting: A novel theoretical microbial remediation method is proposed. Journal of Environmental Management, 2020, 272, 111109.	3.8	66
136	The Pentose Phosphate Pathway Dynamics in Cancer and Its Dependency on Intracellular pH. Metabolites, 2020, 10, 285.	1.3	68
137	Antioxidant nutrients and hemolysis in sickle cell disease. Clinica Chimica Acta, 2020, 510, 381-390.	0.5	14
138	Aging of the cells: Insight into cellular senescence and detection Methods. European Journal of Cell Biology, 2020, 99, 151108.	1.6	100
139	Regulation of Metabolic Processes by Hydrogen Peroxide Generated by NADPH Oxidases. Processes, 2020, 8, 1424.	1.3	10
140	Antioxidant defenses of flame scallop Ctenoides scaber (Born, 1778) exposed to the water-soluble fraction of used vehicle crankcase oils. Toxicology Reports, 2020, 7, 1597-1606.	1.6	3
141	Particulate Matter Exposure During Oocyte Maturation: Cell Cycle Arrest, ROS Generation, and Early Apoptosis in Mice. Frontiers in Cell and Developmental Biology, 2020, 8, 602097.	1.8	9
142	Lipopolysaccharide exposure induces oxidative damage in Caenorhabditis elegans: protective effects of carnosine. BMC Pharmacology & Toxicology, 2020, 21, 85.	1.0	8
143	Puerarin suppresses MPP+/MPTP-induced oxidative stress through an Nrf2-dependent mechanism. Food and Chemical Toxicology, 2020, 144, 111644.	1.8	33
144	Comparative label-free proteomic analysis of equine osteochondrotic chondrocytes. Journal of Proteomics, 2020, 228, 103927.	1.2	5

#	Article	IF	Citations
145	Ellagic Acid-Derived Urolithins as Modulators of Oxidative Stress. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-15.	1.9	65
146	Oxidative stress and mitochondrial dysfunction involved in ammonia-induced nephrocyte necroptosis in chickens. Ecotoxicology and Environmental Safety, 2020, 203, 110974.	2.9	72
147	Phytochemical profile, antioxidant and antibacterial activity of four Hypericum species from the UK. South African Journal of Botany, 2020, 133, 45-53.	1.2	19
148	Cinnamic acid nanoparticles modulate redox signal and inflammatory response in gamma irradiated rats suffering from acute pancreatitis. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165904.	1.8	15
149	New progress in the pharmacology of protocatechuic acid: A compound ingested in daily foods and herbs frequently and heavily. Pharmacological Research, 2020, 161, 105109.	3.1	112
150	Protective Effect of Coconut Oil Meal Phenolic Antioxidants against Macromolecular Damage: In Vitro and In Vivo Study. Journal of Chemistry, 2020, 2020, 1-8.	0.9	5
151	Experimental Pretreatment with Chlorogenic Acid Prevents Transient Ischemia-Induced Cognitive Decline and Neuronal Damage in the Hippocampus through Anti-Oxidative and Anti-Inflammatory Effects. Molecules, 2020, 25, 3578.	1.7	52
152	Natural flavonoid silibinin promotes the migration and myogenic differentiation of murine C2C12 myoblasts via modulation of ROS generation and down-regulation of estrogen receptor Î± expression. Molecular and Cellular Biochemistry, 2020, 474, 243-261.	1.4	3
153	Cognition impairment of rat in undersea environment. International Journal of Environmental Health Research, 2022, 32, 829-839.	1.3	3
154	Natural Antioxidants: A Review of Studies on Human and Animal Coronavirus. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-14.	1.9	33
155	Cyanidin-3-glucoside protects liver from oxidative damage through AMPK/Nrf2 mediated signaling pathway in vivo and in vitro. Journal of Functional Foods, 2020, 73, 104148.	1.6	27
156	Pursuing the Elixir of Life: In Vivo Antioxidative Effects of Manganosalen Complexes. Antioxidants, 2020, 9, 727.	2.2	8
157	African Vegetables (Clerodendrum volubile Leaf and Irvingia gabonensis Seed Extracts) Effectively Mitigate Trastuzumab-Induced Cardiotoxicity in Wistar Rats. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-15.	1.9	7
158	Changing dietary habits increases the intake of antioxidant vitamins and reduces the concentration of reactive oxygen species in blood: a pilot study. International Journal of Food Properties, 2020, 23, 1337-1346.	1.3	1
159	SOD1 suppresses pro-inflammatory immune responses by protecting against oxidative stress in colitis. Redox Biology, 2020, 37, 101760.	3.9	83
160	Dietary Antioxidants and the Mitochondrial Quality Control: Their Potential Roles in Parkinsonâ€™s Disease Treatment. Antioxidants, 2020, 9, 1056.	2.2	11
161	Identification of nitric oxide (NO)-responsive genes under hypoxia in tomato (Solanum lycopersicum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.6	12
162	Expression of Ascorbate Peroxidase Derived from Cyanidioschyzon merolae in Mammalian Cells. In Vivo, 2020, 34, 2437-2441.	0.6	0

#	Article	IF	Citations
163	Narirutin-rich fraction from grape fruit peel protects against transient cerebral ischemia reperfusion injury in rats. Nutritional Neuroscience, 2022, 25, 920-930.	1.5	9
164	Health-Promoting Effects of Thymus Phenolic-Rich Extracts: Antioxidant, Anti-inflammatory and Antitumoral Properties. Antioxidants, 2020, 9, 814.	2.2	35
165	Association between EGFR Gene Mutation and Antioxidant Gene Polymorphism of Non-Small-Cell Lung Cancer. Diagnostics, 2020, 10, 692.	1.3	8
166	Protective effects of deferoxamine on lead-induced cardiotoxicity in rats. Toxicology and Industrial Health, 2020, 36, 800-806.	0.6	5
167	Radical Scavenging-Linked Anti-Adipogenic Activity of Aster scaber Ethanolic Extract and Its Bioactive Compound. Antioxidants, 2020, 9, 1290.	2.2	14
168	Hydrogen Sulfide and Carnosine: Modulation of Oxidative Stress and Inflammation in Kidney and Brain Axis. Antioxidants, 2020, 9, 1303.	2.2	37
169	NOX2-Derived Reactive Oxygen Species in Cancer. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-15.	1.9	25
170	Mitochondrial defects in the respiratory complex I contribute to impaired translational initiation via ROS and energy homeostasis in SMA motor neurons. Acta Neuropathologica Communications, 2020, 8, 223.	2.4	26
171	Oxidative Stress and Antioxidant Treatments in Cardiovascular Diseases. Antioxidants, 2020, 9, 1292.	2.2	86
172	Carotenoids as a Protection Mechanism against Oxidative Stress in Haloferax mediterranei. Antioxidants, 2020, 9, 1060.	2.2	28
173	The Extent of Intracellular Accumulation of Bilirubin Determines Its Anti- or Pro-Oxidant Effect. International Journal of Molecular Sciences, 2020, 21, 8101.	1.8	19
174	Leukocyte Activation and Antioxidative Defense Are Interrelated and Moderately Modified by n-3 Polyunsaturated Fatty Acid-Enriched Eggs Consumptionâ€"Double-Blind Controlled Randomized Clinical Study. Nutrients, 2020, 12, 3122.	1.7	8
175	Phytochemical Characterization of Dillenia indica L. Bark by Paper Spray Ionization-Mass Spectrometry and Evaluation of Its Antioxidant Potential Against t-BHP-Induced Oxidative Stress in RAW 264.7 Cells. Antioxidants, 2020, 9, 1099.	2.2	15
176	Phenolic Compounds Reduce the Fat Content in Caenorhabditis elegans by Affecting Lipogenesis, Lipolysis, and Different Stress Responses. Pharmaceuticals, 2020, 13, 355.	1.7	23
177	The mystery of mitochondria-ER contact sites in physiology and pathology: A cancer perspective. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165834.	1.8	51
178	Tetramethylpyrazine enhanced the therapeutic effects of human umbilical cord mesenchymal stem cells in experimental autoimmune encephalomyelitis mice through Nrf2/HO-1 signaling pathway. Stem Cell Research and Therapy, 2020, 11, 186.	2.4	16
179	Andrographis paniculata and Its Bioactive Diterpenoids Protect Dermal Fibroblasts against Inflammation and Oxidative Stress. Antioxidants, 2020, 9, 432.	2.2	18
180	Characterization, pro-inflammatory response and cytotoxic profile of bioaerosols from urban and rural residential settings in Pune, India. Environmental Pollution, 2020, 264, 114698.	3.7	21

#	Article	IF	Citations
181	Neferine inhibits proliferation and migration of human prostate cancer stem cells through p38 MAPK/JNK activation. Journal of Food Biochemistry, 2020, 44, e13253.	1.2	28
182	Copper/Zinc Superoxide Dismutase in Human Skin: Current Knowledge. Frontiers in Medicine, 2020, 7, 183.	1.2	33
183	Akkermansia muciniphila Aspartic Protease Amuc_1434* Inhibits Human Colorectal Cancer LS174T Cell Viability via TRAIL-Mediated Apoptosis Pathway. International Journal of Molecular Sciences, 2020, 21, 3385.	1.8	37
184	Role of oxidative stress in depression. Drug Discovery Today, 2020, 25, 1270-1276.	3.2	284
185	Inflammation and oxidative stress induced by lipid peroxidation metabolite 4-hydroxynonenal in human corneal epithelial cells. Graefe's Archive for Clinical and Experimental Ophthalmology, 2020, 258, 1717-1725.	1.0	18
186	Unveiling the Role of Inflammation and Oxidative Stress on Age-Related Cardiovascular Diseases. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-20.	1.9	90
187	Secondary metabolites and anti-microbial/anti-oxidant profiles in Ocimum spp.: Role of soil physico-chemical characteristics as eliciting factors. Environmental Research, 2020, 188, 109749.	3.7	14
188	Quercetin and antioxidant potential in diabetes. , 2020, , 293-302.		2
189	Nutraceutical Boom in Cancer: Inside the Labyrinth of Reactive Oxygen Species. International Journal of Molecular Sciences, 2020, 21, 1936.	1.8	54
190	Anti-inflammatory effect of Arnica montana in a UVB radiation-induced skin-burn model in mice. Cutaneous and Ocular Toxicology, 2020, 39, 126-133.	0.5	5
191	The function of miR-200 family in oxidative stress response evoked in cancer chemotherapy and radiotherapy. Biomedicine and Pharmacotherapy, 2020, 125, 110037.	2.5	24
192	Zinc l-Carnosine Protects CCD-18co Cells from l-Buthionine Sulfoximineâ€“Induced Oxidative Stress via the Induction of Metallothionein and Superoxide Dismutase 1 Expression. Biological Trace Element Research, 2020, 198, 464-471.	1.9	15
193	Multiâ€Omics Reveals Impact of Cysteine Feed Concentration and Resulting Redox Imbalance on Cellular Energy Metabolism and Specific Productivity in CHO Cell Bioprocessing. Biotechnology Journal, 2020, 15, e1900565.	1.8	17
194	Reactive Oxygen Species in Venous Thrombosis. International Journal of Molecular Sciences, 2020, 21, 1918.	1.8	63
195	Oxidative Stress and Antioxidant Status in High-Risk Prostate Cancer Subjects. Diagnostics, 2020, 10, 126.	1.3	38
196	Surface Functionalization of Pegylated Gold Nanoparticles with Antioxidants Suppresses Nanoparticle-Induced Oxidative Stress and Neurotoxicity. Chemical Research in Toxicology, 2020, 33, 1195-1205.	1.7	20
197	The inhibition of reactive oxygen species (ROS) by antioxidants inhibits the release of an autophagy marker in ectopic endometrial cells. Taiwanese Journal of Obstetrics and Gynecology, 2020, 59, 256-261.	0.5	10
198	By reducing oxidative stress, naringenin mitigates hyperglycaemia-induced upregulation of hepatic nuclear factor erythroid 2-related factor 2 protein. Journal of Pharmacy and Pharmacology, 2020, 72, 1394-1404.	1.2	12

#	Article	IF	Citations
199	On the physiological and cellular homeostasis of ascorbate. Cellular and Molecular Biology Letters, 2020, 25, 32.	2.7	17
200	Effects of mPEG-DSPE/corannulene or perylene nanoparticles on the ovary and oocyte. RSC Advances, 2020, 10, 16972-16981.	1.7	0
201	The Similarities between Human Mitochondria and Bacteria in the Context of Structure, Genome, and Base Excision Repair System. Molecules, 2020, 25, 2857.	1.7	49
202	lâ€•Arginine supplementation of gilts during early gestation modulates energy sensitive pathways in pig conceptuses. Molecular Reproduction and Development, 2020, 87, 819-834.	1.0	4
203	Antioxidant Alternatives in the Treatment of Amyotrophic Lateral Sclerosis: A Comprehensive Review. Frontiers in Physiology, 2020, 11, 63.	1.3	53
204	Oxidative and nitrosative stresses in cerebral malaria: can we target them to avoid a bad prognosis?. Journal of Antimicrobial Chemotherapy, 2020, 75, 1363-1373.	1.3	4
205	Alliin, An Allium sativum Nutraceutical, Reduces Metaflammation Markers in DIO Mice. Nutrients, 2020, 12, 624.	1.7	18
206	Regulation of Nrf2 by Mitochondrial Reactive Oxygen Species in Physiology and Pathology. Biomolecules, 2020, 10, 320.	1.8	263
207	Quercetin alleviates hyperthyroidismâ€induced liver damage via Nrf2 Signaling pathway. BioFactors, 2020, 46, 608-619.	2.6	22
208	Dual Character of Reactive Oxygen, Nitrogen, and Halogen Species: Endogenous Sources, Interconversions and Neutralization. Biochemistry (Moscow), 2020, 85, 56-78.	0.7	20
209	Inhibitory Effects of Raw-Extract Centella asiatica (RECA) on Acetylcholinesterase, Inflammations, and Oxidative Stress Activities via In Vitro and In Vivo. Molecules, 2020, 25, 892.	1.7	32
210	Isopulegol Mitigates Hyperglycemia MediatedÂOxidative and EndoplasmicÂReticulum Stress in HFD/STZ InducedÂDiabetic Rats. Archives of Medical Research, 2020, 51, 204-214.	1.5	8
211	Analyses of the function of DnaJ family proteins reveal an underlying regulatory mechanism of heat tolerance in honeybee. Science of the Total Environment, 2020, 716, 137036.	3.9	17
212	Aristolochic Acid-Induced Nephrotoxicity: Molecular Mechanisms and Potential Protective Approaches. International Journal of Molecular Sciences, 2020, 21, 1157.	1.8	49
213	Non-competitive heme oxygenase-1 activity inhibitor reduces non-small cell lung cancer glutathione content and regulates cell proliferation. Molecular Biology Reports, 2020, 47, 1949-1964.	1.0	10
214	Post-treatment with oxcarbazepine confers potent neuroprotection against transient global cerebral ischemic injury by activating Nrf2 defense pathway. Biomedicine and Pharmacotherapy, 2020, 124, 109850.	2.5	16
215	iASPP-Mediated ROS Inhibition Drives 5-Fu Resistance Dependent on Nrf2 Antioxidative Signaling Pathway in Gastric Adenocarcinoma. Digestive Diseases and Sciences, 2020, 65, 2873-2883.	1.1	5
216	Autophagy as a Cellular Stress Response Mechanism in the Nervous System. Journal of Molecular Biology, 2020, 432, 2560-2588.	2.0	39

#	Article	IF	Citations
217	Nitric Oxide and S-Nitrosylation in Cancers: Emphasis on Breast Cancer. Breast Cancer: Basic and Clinical Research, 2020, 14, 117822341988268.	0.6	32
218	Chemical Mechanisms of Nanoparticle Radiosensitization and Radioprotection: A Review of Structure-Function Relationships Influencing Reactive Oxygen Species. International Journal of Molecular Sciences, 2020, 21, 579.	1.8	69
219	Investigating the effects of non-steroidal anti-inflammatory drugs (NSAIDs) on the composition and ultrastructure of green leafy vegetables with important nutritional values. Plant Physiology and Biochemistry, 2020, 151, 342-351.	2.8	13
220	Transcriptomic Profiling in Fins of Atlantic Salmon Parasitized with Sea Lice: Evidence for an Early Imbalance Between Chalimus-Induced Immunomodulation and the Hostâ€™s Defense Response. International Journal of Molecular Sciences, 2020, 21, 2417.	1.8	27
221	Laminarin Pretreatment Provides Neuroprotection against Forebrain Ischemia/Reperfusion Injury by Reducing Oxidative Stress and Neuroinflammation in Aged Gerbils. Marine Drugs, 2020, 18, 213.	2.2	27
222	Anserine Reverses Exercise-Induced Oxidative Stress and Preserves Cellular Homeostasis in Healthy Men. Nutrients, 2020, 12, 1146.	1.7	17
223	Green Pepper (Piper nigrum L.) Extract Suppresses Oxidative Stress and LPS-Induced Inflammation via Regulation of JNK Signaling Pathways. Applied Sciences (Switzerland), 2020, 10, 2519.	1.3	6
224	Reductive stress impairs myogenic differentiation. Redox Biology, 2020, 34, 101492.	3.9	37
225	Tumor Cellâ€“Derived Angiopoietin-2 Promotes Metastasis in Melanoma. Cancer Research, 2020, 80, 2586-2598.	0.4	27
226	Reactive oxygen species in male reproduction: A boon or a bane?. Andrologia, 2021, 53, e13577.	1.0	72
227	Does oxidative stress correlate with disease activity and severity in vitiligo? An analytical study. Journal of Cosmetic Dermatology, 2021, 20, 352-359.	0.8	15
228	TL15 of Arthrospira platensis sulfite reductase scavenges free radicals demonstrated in oxidant induced larval zebrafish (Danio rerio) model. International Journal of Biological Macromolecules, 2021, 166, 641-653.	3.6	9
229	Comparison of IVF and IVM outcomes in the same patient treated with a modified IVM protocol along with an oocytes-maturing system containing melatonin: A pilot study. Life Sciences, 2021, 264, 118706.	2.0	10
230	Overexpression of pigment epithelium-derived factor in placenta-derived mesenchymal stem cells promotes mitochondrial biogenesis in retinal cells. Laboratory Investigation, 2021, 101, 51-69.	1.7	18
231	SOD2 deficiency-induced oxidative stress attenuates steroidogenesis in mouse ovarian granulosa cells. Molecular and Cellular Endocrinology, 2021, 519, 110888.	1.6	24
232	Nitric oxide, other reactive signalling compounds, redox, and reductive stress. Journal of Experimental Botany, 2021, 72, 819-829.	2.4	22
233	Chronic exposure to bisphenol S induces oxidative stress, abnormal anxiety, and fear responses in adult zebrafish (Danio rerio). Science of the Total Environment, 2021, 750, 141633.	3.9	32
234	Small molecules regulating reactive oxygen species homeostasis for cancer therapy. Medicinal Research Reviews, 2021, 41, 342-394.	5.0	107

#	Article	IF	Citations
235	Thymoquinone loaded calcium alginate and polyvinyl alcohol carrier inhibits the 7,12â€dimethylbenz[a]anthraceneâ€induced hamster oral cancer via the downâ€regulation of <scp>PI3K</scp>/<scp>AKT</scp>/<scp>mTOR</scp> signaling pathways. Environmental Toxicology, 2021, 36, 339-351.	2.1	10
236	Multiple stressors interact to impair the performance of bumblebee Bombus terrestris colonies. Journal of Animal Ecology, 2021, 90, 415-431.	1.3	24
237	Fluoride exposure during pregnancy and lactation triggers oxidative stress and molecular changes in hippocampus of offspring rats. Ecotoxicology and Environmental Safety, 2021, 208, 111437.	2.9	37
238	Recent advances in fluorescent probes for cellular antioxidants: Detection of NADH, hNQO1, H2S, and other redox biomolecules. Coordination Chemistry Reviews, 2021, 428, 213613.	9.5	60
239	Embryonic exposure to prothioconazole induces oxidative stress and apoptosis in zebrafish (Danio) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.9	32
240	Cadmium and molybdenum co-exposure triggers autophagy via CYP450s/ROS pathway in duck renal tubular epithelial cells. Science of the Total Environment, 2021, 759, 143570.	3.9	24
241	Conductive all-carbon nanotube layers: Results on attractive physicochemical, anti-bacterial, anticancer and biocompatibility properties. Materials Science and Engineering C, 2021, 120, 111703.	3.8	12
242	Esculetin protects human corneal epithelial cells from oxidative stress through Nrf-2 signaling pathway. Experimental Eye Research, 2021, 202, 108360.	1.2	12
243	Changes in antioxidant enzyme activities and metabolic parameters in dairy cows during different reproductive periods. Theriogenology, 2021, 159, 116-122.	0.9	11
244	Regulation of redox balance using a biocompatible nanoplatform enhances phototherapy efficacy and suppresses tumor metastasis. Chemical Science, 2021, 12, 148-157.	3.7	46
245	Metabolites of microbiota response to tryptophan and intestinal mucosal immunity: A therapeutic target to control intestinal inflammation. Medicinal Research Reviews, 2021, 41, 1061-1088.	5.0	68
246	The Antiâ€photoaging Effects of Preâ€and Postâ€treatment of Plateletâ€rich Plasma on UVBâ€damaged HaCaT Keratinocytes. Photochemistry and Photobiology, 2021, 97, 589-599.	1.3	14
247	Salivary antioxidant enzymes associated with oral toxicity in haematopoietic cell transplantation: An observational study. European Journal of Clinical Investigation, 2021, 51, e13379.	1.7	0
248	Evaluation of the Toxicity of Two Electronâ€Deficient Halfâ€Sandwich Complexes against Human Lymphocytes from Healthy Individuals. ChemMedChem, 2021, 16, 624-629.	1.6	3
249	Hispidulin: A novel natural compound with therapeutic potential against human cancers. Phytotherapy Research, 2021, 35, 771-789.	2.8	26
250	Self-delivery nanomedicine for chemotherapy sensitized photodynamic therapy. Chemical Communications, 2021, 57, 7296-7299.	2.2	7
251	Application of photodynamic therapy in cancer: challenges and advancements. Biocell, 2021, 45, 489-500.	0.4	18
252	Circadian Deregulation as Possible New Player in Pollution-Induced Tissue Damage. Atmosphere, 2021, 12, 116.	1.0	4

#	Article	IF	Citations
253	Assessment of the biomarkers of hepatotoxicity following carbamazepine, levetiracetam, and carbamazepine-levetiracetam adjunctive treatment in male Wistar rats. Toxicology Reports, 2021, 8, 592-598.	1.6	5
254	Mitochondria Homeostasis and Oxidant/Antioxidant Balance in Skeletal Muscleâ€"Do Myokines Play a Role?. Antioxidants, 2021, 10, 179.	2.2	15
256	Janus -faced oxidant and antioxidant profiles of organo diselenides. Dalton Transactions, 2021, 50, 14576-14594.	1.6	9
257	Antioxidants in assisted reproductive technologies: An overview on dog, cat, and horse. Journal of Advanced Veterinary and Animal Research, 2021, 8, 1.	0.5	8
258	Oxidative stress and excitotoxicity: antioxidants from nutraceuticals. , 2021, , 485-497.		1
259	Effect of low-level laser irradiation on cytotoxicity of benzene in human normal fibroblast cells. Lasers in Medical Science, 2021, 36, 1831-1836.	1.0	0
260	Redox Regulation of Metabolic Enzymes in Cancer. , 2021, , 263-275.		0
261	N-Acetylcysteine improves intestinal function and attenuates intestinal autophagy in piglets challenged with Î²-conglycinin. Scientific Reports, 2021, 11, 1261.	1.6	16
262	Epigallocatechin gallate and coenzyme Q10 attenuate cisplatinâ€induced hepatotoxicity in rats via targeting mitochondrial stress and apoptosis. Journal of Biochemical and Molecular Toxicology, 2021, 35, e22701.	1.4	9
263	Antioxidants for the Treatment of Breast Cancer: Are We There Yet?. Antioxidants, 2021, 10, 205.	2.2	33
264	Nonhormonal Treatment for Endometriosis Focusing on Redox Imbalance. Gynecologic and Obstetric Investigation, 2021, 86, 1-12.	0.7	8
265	Melanin nanoparticles as an actinide in vivo sequestration agent with radiation protection effect. New Journal of Chemistry, 2021, 45, 9518-9525.	1.4	7
266	The Impact of Mitochondrial Fission-Stimulated ROS Production on Pro-Apoptotic Chemotherapy. Biology, 2021, 10, 33.	1.3	22
267	Detection of Intracellular Reactive Oxidative Species Using the Fluorescent Probe Hydroxyphenyl Fluorescein. Methods in Molecular Biology, 2021, 2274, 207-215.	0.4	2
268	Phytochemical contents, antioxidant activity, and anticancer activity of three common guava cultivars in Thailand. European Journal of Integrative Medicine, 2021, 42, 101290.	0.8	22
269	Carbon dioxide-dependent signal transduction in mammalian systems. Interface Focus, 2021, 11, 20200033.	1.5	13
270	INDUCED OXIDATIVE STRESS BY DEFEROXAMINE (DESFERAL) DURING THE PREGNANCY: PRE AND POST-NATAL DEVELOPMENTAL STUDY. Mesopotamia Journal of Agriculture, 2021, 49, 1-18.	0.1	0
271	The Effect of Selenium Nanoparticles on the Osteogenic Differentiation of MC3T3-E1 Cells. Nanomaterials, 2021, 11, 557.	1.9	18

#	Article	IF	Citations
272	Oxidative Imbalance as a Crucial Factor in Inflammatory Lung Diseases: Could Antioxidant Treatment Constitute a New Therapeutic Strategy?. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-11.	1.9	22
273	Antioxidant Activities and Protective Effects of Dendropachol, a New Bisbibenzyl Compound from Dendrobium pachyglossum, on Hydrogen Peroxide-Induced Oxidative Stress in HaCaT Keratinocytes. Antioxidants, 2021, 10, 252.	2.2	19
274	Reactive Oxygen Species and Their Involvement in Red Blood Cell Damage in Chronic Kidney Disease. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-19.	1.9	69
275	miRâ€‘875â€‘5p regulates IR and inflammation viaÂtargeting TXNRD1 in gestational diabetes rats. Molecular Medicine Reports, 2021, 23, .	1.1	9
276	Behavioral and Oxidative Stress Responses of Earthworm, Nsukkadrilus mbae (Segun 1976), Exposed to Lead and Cadmium: A Preliminary Investigation. Soil and Sediment Contamination, 2021, 30, 569-589.	1.1	3
277	Pentagamaboronon-0-Sorbitol Induces Apoptosis through Elevation of Reactive Oxygen Species in Triple Negative Breast Cancer Cells. Indonesian Journal of Cancer Chemoprevention, 2021, 12, 46.	0.3	0
278	An updated review of mechanistic potentials of melatonin against cancer: pivotal roles in angiogenesis, apoptosis, autophagy, endoplasmic reticulum stress and oxidative stress. Cancer Cell International, 2021, 21, 188.	1.8	41
279	Dietary seaweed-derived polysaccharides improve growth performance of weaned pigs through maintaining intestinal barrier function and modulating gut microbial populations. Journal of Animal Science and Biotechnology, 2021, 12, 28.	2.1	25
280	Strigolactone GR24 improves cadmium tolerance by regulating cadmium uptake, nitric oxide signaling and antioxidant metabolism in barley (Hordeum vulgare L.). Environmental Pollution, 2021, 273, 116486.	3.7	54
281	Evaluation of enzymatic activity of Babesia microti thioredoxin reductase (Bmi TrxR)-mutants and screening of its potential inhibitors. Ticks and Tick-borne Diseases, 2021, 12, 101623.	1.1	3
282	Engineering of stepwise-targeting chitosan oligosaccharide conjugate for the treatment of acute kidney injury. Carbohydrate Polymers, 2021, 256, 117556.	5.1	31
283	Dimethyl Sulfoxide: Morphological, Histological, and Molecular View on Developing Chicken Liver. Toxics, 2021, 9, 55.	1.6	2
284	Effect of Tai Chi on Markers of Oxidative Stress: Systematic Review and Meta-Analysis. International Journal of Environmental Research and Public Health, 2021, 18, 3458.	1.2	8
285	The Effects of Bioactive Compounds from Blueberry and Blackcurrant Powder on Oat Bran Pastes: Enhancing In Vitro Antioxidant Activity and Reducing Reactive Oxygen Species in Lipopolysaccharide-Stimulated Raw264.7 Macrophages. Antioxidants, 2021, 10, 388.	2.2	9
286	The role of metabolism in chondrocyte dysfunction and the progression of osteoarthritis. Ageing Research Reviews, 2021, 66, 101249.	5.0	257
287	Crocin Improves Endothelial Mitochondrial Dysfunction via GPx1/ROS/KCa3.1 Signal Axis in Diabetes. Frontiers in Cell and Developmental Biology, 2021, 9, 651434.	1.8	8
288	Lipid Metabolism and Ferroptosis. Biology, 2021, 10, 184.	1.3	115
289	A Mitocentric View of the Main Bacterial and Parasitic Infectious Diseases in the Pediatric Population. International Journal of Molecular Sciences, 2021, 22, 3272.	1.8	3

#	Article	IF	Citations
290	Î²3-Adrenoreceptors as ROS Balancer in Hematopoietic Stem Cell Transplantation. International Journal of Molecular Sciences, 2021, 22, 2835.	1.8	9
291	ArÄ± Poleni: Antioksidan Etkisi. Uludag Aricilik Dergisi, 2021, 21, 119-131.	0.6	11
292	Cadmium exposure induces mitochondrial pathway apoptosis in swine myocardium through xenobiotic receptors-mediated CYP450s activation. Journal of Inorganic Biochemistry, 2021, 217, 111361.	1.5	16
293	Can antioxidants be effective therapeutics for type 2 diabetes?. Yeungnam University Journal of Medicine, 2021, 38, 83-94.	0.7	11
294	Glutathione S-Transferases in Cancer. Antioxidants, 2021, 10, 701.	2.2	94
295	Mitochondria: Insights into Crucial Features to Overcome Cancer Chemoresistance. International Journal of Molecular Sciences, 2021, 22, 4770.	1.8	30
296	Protective effect of argan oil on DNA damage inÂvivo and inÂvitro. Biomarkers, 2021, 26, 425-433.	0.9	3
297	Protective Effects of Curcumin on the Outcome of Cryopreservation in Human Sperm. Reproductive Sciences, 2021, 28, 2895-2905.	1.1	30
298	Do naturally occurring antioxidants protect against neurodegeneration of the dopaminergic system? A systematic revision in animal models of Parkinson's disease. Current Neuropharmacology, 2021, 19, .	1.4	2
299	Curcumin reduces apoptosis and promotes osteogenesis of human periodontal ligament stem cells under oxidative stress in vitro and in vivo. Life Sciences, 2021, 270, 119125.	2.0	16
300	Microglia Specific Drug Targeting Using Natural Products for the Regulation of Redox Imbalance in Neurodegeneration. Frontiers in Pharmacology, 2021, 12, 654489.	1.6	24
301	Olive Fruit Extracts Supplement Improve Antioxidant Capacity via Altering Colonic Microbiota Composition in Mice. Frontiers in Nutrition, 2021, 8, 645099.	1.6	34
302	Diet-induced prediabetes: effects of exercise treatment on risk factors for cardiovascular complications. Nutrition and Metabolism, 2021, 18, 45.	1.3	4
304	Aberrant Gut Microbiome Contributes to Intestinal Oxidative Stress, Barrier Dysfunction, Inflammation and Systemic Autoimmune Responses in MRL/lpr Mice. Frontiers in Immunology, 2021, 12, 651191.	2.2	45
305	Crotonaldehyde exposure induces liver dysfunction and mitochondrial energy metabolism disorder in rats. Toxicology Mechanisms and Methods, 2021, 31, 425-436.	1.3	4
306	Suppression of Lipopolysaccharide-Induced Inflammatory and Oxidative Response by 5-Aminolevulinic Acid in RAW 264.7 Macrophages and Zebrafish Larvae. Biomolecules and Therapeutics, 2021, 29, 685-696.	1.1	21
307	JNK-mediated blockage of autophagic flux exacerbates the triethylene glycol dimethacrylate-induced mitochondrial oxidative damage and apoptosis in preodontoblast. Chemico-Biological Interactions, 2021, 339, 109432.	1.7	4
308	Mesoporous silica nanoparticle: Heralding a brighter future in cancer nanomedicine. Microporous and Mesoporous Materials, 2021, 319, 110967.	2.2	23

#	Article	IF	Citations
309	Redox-Sensitive Mapping of a Mouse Tumor Model Using Sparse Projection Sampling of Electron Paramagnetic Resonance. Antioxidants and Redox Signaling, 2021, , .	2.5	2
311	High Resolution Mass Spectroscopy-Based Secondary Metabolite Profiling of Nymphaea nouchali (Burm. f) Stem Attenuates Oxidative Stress via Regulation of MAPK/Nrf2/HO-1/ROS Pathway. Antioxidants, 2021, 10, 719.	2.2	17
312	Effect of adding Toxisorb Premium, vitamin E, glucosamine, and Saccharomyces Cerevisiae to contaminated rations with aflatoxin B1- on aflatoxin B1 concentration in the liver and eggs of laying hen. IOP Conference Series: Earth and Environmental Science, 2021, 761, 012097.	0.2	8
313	NRF2-mediated signaling is a master regulator of transcription factors in bovine granulosa cells under oxidative stress condition. Cell and Tissue Research, 2021, 385, 769-783.	1.5	9
314	Spatial-resolved metabolomics reveals tissue-specific metabolic reprogramming in diabetic nephropathy by using mass spectrometry imaging. Acta Pharmaceutica Sinica B, 2021, 11, 3665-3677.	5.7	52
315	RM12 similar to substance P from tachykinin of freshwater murrel Channa striatus influence intracellular ROS in vitro fish erythrocytes and developmental toxicity and antioxidant enzymes in vivo zebrafish embryo. Fish Physiology and Biochemistry, 2021, 47, 1073-1085.	0.9	7
316	Some NSAIDs Offer Antioxidant Effect in the Brain Only in Combination with Other Antioxidant Products. International Journal of Pharmacology, 2021, 17, 350-357.	0.1	0
317	A review of dietary phytochemicals and their relation to oxidative stress and human diseases. Chemosphere, 2021, 271, 129499.	4.2	69
318	Potential protective effect of hesperidin onÂhypoxia/reoxygenationâ€˜induced hepatocyte injury. Experimental and Therapeutic Medicine, 2021, 22, 764.	0.8	4
319	OphiopogoninÂB induces reactive oxygen speciesâ€˜dependent apoptosis through the Hippo pathway in nasopharyngeal carcinoma. Molecular Medicine Reports, 2021, 24, .	1.1	8
320	Effects of C60 Fullerene on Thioacetamide-Induced Rat Liver Toxicity and Gut Microbiome Changes. Antioxidants, 2021, 10, 911.	2.2	12
321	Redox regulation of hemodynamics response to diadenosine tetraphosphate an agonist of P2 receptors and renal function in dietâ€˜induced hypercholesterolemic rats. Physiological Reports, 2021, 9, e14888.	0.7	0
322	Identification of Tyrosyl Oleate as a Novel Olive Oil Lipophenol with Proliferative and Antioxidant Properties in Human Keratinocytes. Antioxidants, 2021, 10, 1051.	2.2	8
323	Nobiletin enhances the development and quality of bovine embryos in vitro during two key periods of embryonic genome activation. Scientific Reports, 2021, 11, 11796.	1.6	7
324	Inhibition of mitochondrial reactive oxygen species improves coronary endothelial function after cardioplegic hypoxia/reoxygenation. Journal of Thoracic and Cardiovascular Surgery, 2022, 164, e207-e226.	0.4	15
325	Melatonin Ameliorates the Toxicity Induced by Deoxynivalenol in Murine Ovary Granulosa Cells by Antioxidative and Anti-Inflammatory Effects. Antioxidants, 2021, 10, 1045.	2.2	10
326	Accelerated burn wound healing with photobiomodulation therapy involves activation of endogenous latent TGF-Î²1. Scientific Reports, 2021, 11, 13371.	1.6	31
327	Proteins of allogeneic hepatocytes and pharmacological preparations for the correction of immunometabolic disorders in experimental liver pathology. Research Results in Pharmacology, 2021, 7, 83-99.	0.1	1

#	Article	IF	Citations
328	HIF-1Î± in the Crosstalk Between Reactive Oxygen Species and Autophagy Process: A Review in Multiple Sclerosis. Cellular and Molecular Neurobiology, 2022, 42, 2121-2129.	1.7	7
329	Lactate dehydrogenases amplify reactive oxygen species in cancer cells in response to oxidative stimuli. Signal Transduction and Targeted Therapy, 2021, 6, 242.	7.1	37
330	Loganin Inhibits Lipopolysaccharide-Induced Inflammation and Oxidative Response through the Activation of the Nrf2/HO-1 Signaling Pathway in RAW264.7 Macrophages. Biological and Pharmaceutical Bulletin, 2021, 44, 875-883.	0.6	13
332	Celecoxib ameliorates diabetic neuropathy by decreasing apoptosis and oxidative stress in dorsal root ganglion neurons via the miRâ€'155/COXâ€'2 axis. Experimental and Therapeutic Medicine, 2021, 22, 825.	0.8	9
333	Antioxidant and immune responses of broiler chickens supplemented with Rhazya stricta extract in drinking water. Veterinary World, 2021, 14, 1437-1449.	0.7	2
334	Redox Control of Integrin-Mediated Hepatic Inflammation in Systemic Autoimmunity. Antioxidants and Redox Signaling, 2022, 36, 367-388.	2.5	4
335	Microencapsulation of Lemongrass Leaves Effect on Reactive Oxygen Species (ROS) Fibroblasts. , 2021, , .		0
336	Metformin-induced ROS upregulation as amplified by apigenin causes profound anticancer activity while sparing normal cells. Scientific Reports, 2021, 11, 14002.	1.6	26
337	The regulation of the TLR4/NF-ÎºB and Nrf2/HO-1 signaling pathways is involved in the inhibition of lipopolysaccharide-induced inflammation and oxidative reactions by morroniside in RAW 264.7 macrophages. Archives of Biochemistry and Biophysics, 2021, 706, 108926.	1.4	49
338	New phthalimide analog ameliorates CCl4 induced hepatic injury in mice via reducing ROS formation, inflammation, and apoptosis. Saudi Journal of Biological Sciences, 2021, 28, 6384-6395.	1.8	7
339	Glutathione Participation in the Prevention of Cardiovascular Diseases. Antioxidants, 2021, 10, 1220.	2.2	58
340	Targeted Lipidomic Analysis of Aqueous Humor Reveals Signaling Lipid-Mediated Pathways in Primary Open-Angle Glaucoma. Biology, 2021, 10, 658.	1.3	11
341	Hypoxia-induced oxidative stress and transcriptome changes in the mud crab (Scylla paramamosain). Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2021, 245, 109039.	1.3	20
342	Comprehension of the Relationship between Autophagy and Reactive Oxygen Species for Superior Cancer Therapy with Histone Deacetylase Inhibitors. Oxygen, 2021, 1, 22-31.	1.6	10
343	Cr(VI) promotes tight joint and oxidative damage by activating the Nrf2/ROS/Notch1 axis. Environmental Toxicology and Pharmacology, 2021, 85, 103640.	2.0	11
344	Proteomic analysis of liver tissues in chicken embryo at Day 16 and Day 20 reveals antioxidant mechanisms. Journal of Proteomics, 2021, 243, 104258.	1.2	6
345	Dietary and Physiological Effects of Zinc on the Immune System. Annual Review of Nutrition, 2021, 41, 133-175.	4.3	62
346	Rhaponticin suppresses osteosarcoma through the inhibition of PI3K-Akt-mTOR pathway. Saudi Journal of Biological Sciences, 2021, 28, 3641-3649.	1.8	16

#	Article	IF	Citations
347	Fibrosis, the Bad Actor in Cardiorenal Syndromes: Mechanisms Involved. Cells, 2021, 10, 1824.	1.8	13
348	Supplementation of Psidium Guajava Leaves Powder Prevents Hepatotoxicity and Inflammation in Carbon Tetrachloride (CCl4)-Administered Rats. Current Bioactive Compounds, 2021, 17, 356-365.	0.2	1
349	Beta 2 microglobulin correlates with oxidative stress in elderly. Experimental Gerontology, 2021, 150, 111359.	1.2	13
350	Norethindrone causes cellular and hepatic injury in zebrafish by compromising the metabolic processes associated with antioxidant defence: Insights from metabolomics. Chemosphere, 2021, 275, 130049.	4.2	19
351	The Role of Oxidative Stress and Inflammation in Cardiometabolic Health of Children During Cancer Treatment and Potential Impact of Key Nutrients. Antioxidants and Redox Signaling, 2021, 35, 293-318.	2.5	1
352	N-acetyl-cysteine and the control of oxidative stress during in vitro ovarian follicle growth, oocyte maturation, embryo development and cryopreservation. Animal Reproduction Science, 2021, 231, 106801.	0.5	20
353	Plasma-Activated Saline Promotes Antibiotic Treatment of Systemic Methicillin-Resistant Staphylococcus aureus Infection. Antibiotics, 2021, 10, 1018.	1.5	9
354	Ecological Risks Due to Immunotoxicological Effects on Aquatic Organisms. International Journal of Molecular Sciences, 2021, 22, 8305.	1.8	15
355	Nitrofurazone repurposing towards design and synthesis of novel apoptotic-dependent anticancer and antimicrobial agents: Biological evaluation, kinetic studies and molecular modeling. Bioorganic Chemistry, 2021, 113, 104971.	2.0	4
356	Seasonal Dynamics of Oxidative and Antioxidative Parameters in Sadleriana fluminensis (Gastropoda:) Tj ETQq1 1 0.784314 rgBT /Ove	0.2	P
357	Promoter sequence interaction and structure based multi-targeted (redox regulatory genes) molecular docking analysis of vitamin E and curcumin in T4 induced oxidative stress model using H9C2 cardiac cell line. Journal of Biomolecular Structure and Dynamics, 2022, 40, 12316-12335.	2.0	5
358	Shikonin attenuates H₂O₂â€‘induced oxidative injury in HT29 cells via antioxidant activities and the inhibition of mitochondrial pathwayâ€‘mediated apoptosis. Experimental and Therapeutic Medicine, 2021, 22, 1118.	0.8	4
359	Moringa oleifera Leaf Extract Upregulates Nrf2/HO-1 Expression and Ameliorates Redox Status in C2C12 Skeletal Muscle Cells. Molecules, 2021, 26, 5041.	1.7	21
360	Antioxidant, Mineralogenic and Osteogenic Activities of Spartina alterniflora and Salicornia fragilis Extracts Rich in Polyphenols. Frontiers in Nutrition, 2021, 8, 719438.	1.6	6
361	CF3-substituted diselenide modulatory effects on oxidative stress, induced by single and repeated morphine administrations, in susceptible tissues of mice. Canadian Journal of Physiology and Pharmacology, 2021, 99, 761-767.	0.7	2
362	The Roles of Tetramethylpyrazine During Neurodegenerative Disease. Neurotoxicity Research, 2021, 39, 1665-1677.	1.3	17
363	VvSNAT1 overexpression enhances melatonin production and salt tolerance in transgenic Arabidopsis. Plant Physiology and Biochemistry, 2021, 166, 485-494.	2.8	24
364	Role of Phytochemicals in Cancer Chemoprevention: Insights. Antioxidants, 2021, 10, 1455.	2.2	93

#	Article	IF	Citations
365	Oxidative Stress and Inflammation, MicroRNA, and Hemoglobin Variations after Administration of Oxygen at Different Pressures and Concentrations: A Randomized Trial. International Journal of Environmental Research and Public Health, 2021, 18, 9755.	1.2	22
366	Dieckol exerts anticancer activity in human osteosarcoma (MG-63) cells through the inhibition of PI3K/AKT/mTOR signaling pathway. Saudi Journal of Biological Sciences, 2021, 28, 4908-4915.	1.8	12
367	Knock down of NON-YELLOW COLOURING 1-like gene or chlorophyllin application enhanced chlorophyll accumulation with antioxidant roles in suppressing heat-induced leaf senescence in perennial ryegrass. Journal of Experimental Botany, 2022, 73, 429-444.	2.4	10
368	The Two Sides of Dietary Antioxidants in Cancer Therapy. , 0, , .		3
369	Age-related changes in liver metabolism and antioxidant capacity of laying hens. Poultry Science, 2021, 100, 101478.	1.5	22
370	A bioactive ligand-conjugated iridium(III) metal-based complex as a Keap1â€“Nrf2 protein-protein interaction inhibitor against acetaminophen-induced acute liver injury. Redox Biology, 2021, 48, 102129.	3.9	18
371	Strategies to Improve the Quality and Freshness of Human Bone Marrow-Derived Mesenchymal Stem Cells for Neurological Diseases. Stem Cells International, 2021, 2021, 1-15.	1.2	4
372	Cbl upregulates cysH for hydrogen sulfide production in Aeromonas veronii. PeerJ, 2021, 9, e12058.	0.9	0
373	Response to Static Magnetic Field-Induced Stress in Scenedesmus obliquus and Nannochloropsis gaditana. Marine Drugs, 2021, 19, 527.	2.2	11
374	Deubiquitinating enzymes (DUBs): Regulation, homeostasis, and oxidative stress response. Journal of Biological Chemistry, 2021, 297, 101077.	1.6	72
375	The Role of the Glycocalyx in the Pathophysiology of Subarachnoid Hemorrhage-Induced Delayed Cerebral Ischemia. Frontiers in Cell and Developmental Biology, 2021, 9, 731641.	1.8	8
376	A Role of Stress Sensor Nrf2 in Stimulating Thermogenesis and Energy Expenditure. Biomedicines, 2021, 9, 1196.	1.4	5
377	Polypodium vulgare L. (Polypodiaceae) as a Source of Bioactive Compounds: Polyphenolic Profile, Cytotoxicity and Cytoprotective Properties in Different Cell Lines. Frontiers in Pharmacology, 2021, 12, 727528.	1.6	14
378	Repurposing pharmaceutical excipients as an antiviral agent against SARS-CoV-2. Journal of Biomaterials Science, Polymer Edition, 2022, 33, 110-136.	1.9	4
379	Vegetable phytochemicals: An update on extraction and analysis techniques. Biocatalysis and Agricultural Biotechnology, 2021, 36, 102149.	1.5	19
380	Antioxidant Effects of Caffeic Acid Lead to Protection of Drosophila Intestinal Stem Cell Aging. Frontiers in Cell and Developmental Biology, 2021, 9, 735483.	1.8	13
381	Antioxidant and Mitochondria-Targeted Activity of Caffeoylquinic-Acid-Rich Fractions of Wormwood (Artemisia absinthium L.) and Silver Wormwood (Artemisia ludoviciana Nutt.). Antioxidants, 2021, 10, 1405.	2.2	10
382	Dietary 5-demethylnobiletin modulates xenobiotic-metabolizing enzymes and ameliorates colon carcinogenesis in benzo[a]pyrene-induced mice. Food and Chemical Toxicology, 2021, 155, 112380.	1.8	8

#	Article	IF	Citations
383	Peroxiredoxin 6 Knockout Mice Demonstrate Anxiety Behavior and Attenuated Contextual Fear Memory after Receiving Acute Immobilization Stress. Antioxidants, 2021, 10, 1416.	2.2	1
384	Protective Effect of Quercetin, a Flavonol against Benzo(a)pyrene-Induced Lung Injury via Inflammation, Oxidative Stress, Angiogenesis and Cyclooxygenase-2 Signalling Molecule. Applied Sciences (Switzerland), 2021, 11, 8675.	1.3	10
385	Phytochemical screening and evaluation of antioxidant capacities of Allium cepa, Allium sativum, and Monodora myristica using in vitro and in vivo models. , 2021, 1, 41-52.		1
386	Key points for the development of antioxidant cocktails to prevent cellular stress and damage caused by reactive oxygen species (ROS) during manned space missions. Npj Microgravity, 2021, 7, 35.	1.9	37
387	Longitudinal evidence for immunosenescence and inflammaging in free-living great tits. Experimental Gerontology, 2021, 154, 111527.	1.2	4
388	Pulmonary injury and oxidative stress in rats induced by inhaled sulfur mustard is ameliorated by anti-tumor necrosis factor-Î± antibody. Toxicology and Applied Pharmacology, 2021, 428, 115677.	1.3	3
389	Salvianolic acid B attenuates oxidative stress-induced injuries in enterocytes by activating Akt/GSK3Î² signaling and preserving mitochondrial function. European Journal of Pharmacology, 2021, 909, 174408.	1.7	11
390	The effect of Cu, Zn and Fe chelates on the antioxidative status of thigh meat of broiler chickens. Animal, 2021, 15, 100367.	1.3	8
391	Application of glutathione depletion in cancer therapy: Enhanced ROS-based therapy, ferroptosis, and chemotherapy. Biomaterials, 2021, 277, 121110.	5.7	363
392	7-Chloro-4-(phenylselanyl) quinoline reduces renal oxidative stress induced by oxaliplatin in mice. Canadian Journal of Physiology and Pharmacology, 2021, 99, 1102-1111.	0.7	5
393	Peroxisomes in the mouse parotid glands: An in-depth morphological and molecular analysis. Annals of Anatomy, 2021, 238, 151778.	1.0	2
394	Proteomic analysis of Eriocheir sinensis hemocytes in response to hypoxia stress. Aquaculture Reports, 2021, 21, 100876.	0.7	4
395	Sled dogs as a model for PM2.5 exposure from wildfires in Alaska. Environment International, 2021, 156, 106767.	4.8	1
396	Antioxidant peptides from Antarctic Krill (Euphausia superba) hydrolysate: Preparation, identification and cytoprotection on H2O2-induced oxidative stress. Journal of Functional Foods, 2021, 86, 104701.	1.6	38
397	Three dimensions of autophagy in regulating tumor growth: cell survival/death, cell proliferation, and tumor dormancy. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2021, 1867, 166265.	1.8	17
398	HPLC profiling and studies on Copaifera salikounda methanol leaf extract on phenylhydrazine-induced hematotoxicity and oxidative stress in rats. Arabian Journal of Chemistry, 2021, 14, 103428.	2.3	2
399	Flavonoid-rich fraction of Croton blanchetianus Baill. (Euphorbiaceae) leaves: Chemical profile, acute and subacute toxicities, genotoxicity and antioxidant potential. South African Journal of Botany, 2022, 144, 238-249.	1.2	4
400	Reactive oxygen species-based nanomaterials for the treatment of myocardial ischemia reperfusion injuries. Bioactive Materials, 2022, 7, 47-72.	8.6	136

#	Article	IF	Citations
401	Elimination of Microcystis aeruginosa in water via dielectric barrier discharge plasma: Efficacy, mechanism and toxin release. Journal of Hazardous Materials, 2022, 422, 126956.	6.5	28
402	Forms of pseudotuberculosis progression in children and the impact of lipid peroxidation activation and antioxidant system imbalance on their development. Jurnal Infektologii, 2021, 12, 130-137.	0.1	0
403	Experimental models of metabolic and alcoholic fatty liver disease. World Journal of Gastroenterology, 2021, 27, 1-18.	1.4	17
404	Antioxidant Effect of a Dihydropyridine Calcium Antagonist Nitrendipine in Streptozotocin-Induced Diabetes. Journal of Evolutionary Biochemistry and Physiology, 2021, 57, 126-133.	0.2	0
405	The research progress on the association between dietary habits and esophageal cancer: a narrative review. Annals of Palliative Medicine, 2021, 10, 0-0.	0.5	3
406	Neuroprotective Effects of Extracts from Tiger Milk Mushroom Lignosus rhinocerus Against Glutamate-Induced Toxicity in HT22 Hippocampal Neuronal Cells and Neurodegenerative Diseases in Caenorhabditis elegans. Biology, 2021, 10, 30.	1.3	13
407	Sensitive and specific detection of peroxynitrite and in vivo imaging of inflammation by a â€œsimpleâ€•AIE bioprobe. Materials Chemistry Frontiers, 2021, 5, 1830-1835.	3.2	19
408	Molecular and biochemical investigations of inborn errors of metabolism-altered redox homeostasis in branched-chain amino acid disorders, organic acidurias, and homocystinuria. Free Radical Research, 2021, 55, 859-872.	1.5	4
409	Effects of myricetin against cadmium-induced neurotoxicity in PC12 cells. Toxicology Research, 2021, 10, 84-90.	0.9	9
410	Total Phenolic Fraction (TPF) from Extra Virgin Olive Oil: Induction of apoptotic-like cell death in Leishmania spp. promastigotes and in vivo potential of therapeutic immunomodulation. PLoS Neglected Tropical Diseases, 2021, 15, e0008968.	1.3	11
411	Hydroxylated 3-(pyridin-2-yl)coumarins as radical scavengers with potent lipoxygenase inhibitor activity. New Journal of Chemistry, 2021, 45, 10749-10760.	1.4	3
412	Bioinspired Redox Mediator in Lithiumâ€“Oxygen Batteries. ACS Catalysis, 2021, 11, 1833-1840.	5.5	11
413	Reactive Oxygen Speciesâ€Regulating Strategies Based on Nanomaterials for Disease Treatment. Advanced Science, 2021, 8, 2002797.	5.6	149
414	Oxidative Stress and Pulmonary Carcinogenesis Through Mechanisms of Reactive Oxygen Species. How Respirable Particulate Matter, Fibrous Dusts, and Ozone Cause Pulmonary Inflammation and Initiate Lung Carcinogenesis. , 2019, , 247-265.		3
415	Anethole Supplementation During Oocyte Maturation Improves In Vitro Production of Bovine Embryos. Reproductive Sciences, 2020, 27, 1602-1608.	1.1	14
416	The role of NADPH oxidases in neuronal development. Free Radical Biology and Medicine, 2020, 154, 33-47.	1.3	39
417	Patients with Gaucher disease display systemic oxidative stress dependent on therapy status. Molecular Genetics and Metabolism Reports, 2020, 25, 100667.	0.4	9
418	Bilirubin Nanomedicines for the Treatment of Reactive Oxygen Species (ROS)-Mediated Diseases. Molecular Pharmaceutics, 2020, 17, 2260-2274.	2.3	43

#	Article	IF	Citations
419	Emerging roles for non-selenium containing ER-resident glutathione peroxidases in cell signaling and disease. Biological Chemistry, 2021, 402, 271-287.	1.2	26
420	Antioxidant metal oxide nanozymes: role in cellular redox homeostasis and therapeutics. Pure and Applied Chemistry, 2021, 93, 187-205.	0.9	10
421	Toxicity of carbon tetrachloride, free radicals and role of antioxidants. Reviews on Environmental Health, 2021, 36, 279-295.	1.1	112
422	Oxidative/antioxidant balance and matrix metalloproteinases level in the knee cartilage of rats under experimental osteoarthritis and probiotic administration. Ukrainian Biochemical Journal, 2020, 92, 126-136.	0.1	4
423	Effect of glutamic acid and cysteine on oxidative stress markers in rats. Ukrainian Biochemical Journal, 2020, 92, 165-172.	0.1	2
424	Metabolic processes in the organism of animals under the action of plant extract. Regulatory Mechanisms in Biosystems, 2019, 10, 149-158.	0.5	2
425	Obesity induced by high-fat diet is associated with critical changes in biological and molecular functions of mesenchymal stromal cells present in visceral adipose tissue. Aging, 2020, 12, 24894-24913.	1.4	11
426	Neferine induces p38 MAPK/JNK1/2 activation to modulate melanoma proliferation, apoptosis, and oxidative stress. Annals of Translational Medicine, 2020, 8, 1643-1643.	0.7	12
427	AMPK and its Activator Berberine in the Treatment of Neurodegenerative Diseases. Current Pharmaceutical Design, 2020, 26, 5054-5066.	0.9	19
428	Epigenetic Mechanisms of Maternal Dietary Protein and Amino Acids Affecting Growth and Development of Offspring. Current Protein and Peptide Science, 2019, 20, 727-735.	0.7	3
429	Plant Polyphenols as Neuroprotective Agents in Parkinsonâ€™s Disease Targeting Oxidative Stress. Current Drug Targets, 2020, 21, 458-476.	1.0	17
430	Ligand-Based Pharmacophore Modeling and Virtual Screening to Discover Novel CYP1A1 Inhibitors. Current Topics in Medicinal Chemistry, 2020, 19, 2782-2794.	1.0	19
431	Nickel and Oxidative Stress: Cell Signaling Mechanisms and Protective Role of Vitamin C. Endocrine, Metabolic and Immune Disorders - Drug Targets, 2020, 20, 1024-1031.	0.6	16
432	Antidiabetic and Immunomodulatory Effects of Oleuropein and Vitamin C in Diabetic Male Rats. Journal of Advances in Biology, 0, 11, 2250-2268.	0.3	1
433	Relationship between Serum Antioxidative Vitamin Concentrations and Type 2 Diabetes in Japanese Subjects. Journal of Nutritional Science and Vitaminology, 2020, 66, 289-295.	0.2	6
434	Endothelial Dysfunction in Diabetes Is Aggravated by Glycated Lipoproteins; Novel Molecular Therapies. Biomedicines, 2021, 9, 18.	1.4	23
435	Inhibition or Reversal of the Epithelial-Mesenchymal Transition in Gastric Cancer: Pharmacological Approaches. International Journal of Molecular Sciences, 2021, 22, 277.	1.8	26
436	Mitochondrial dysfunction and pancreatic islet βâ€˜cell failure (Review). Experimental and Therapeutic Medicine, 2020, 20, 1-1.	0.8	22

#	Article	IF	Citations
437	InonotusÂobliquus extract alleviates myocardial ischemia/reperfusion injury by suppressing endoplasmic reticulum stress. Molecular Medicine Reports, 2020, 23, .	1.1	9
438	Etomidate affects the anti-oxidant pathway to protect retinal ganglion cells after optic nerve transection. Neural Regeneration Research, 2019, 14, 2020.	1.6	9
439	Phytochemical Constituents, Antioxidant Activity, and Toxicity Assessment of the Seed of Spondias mombin L. (Anacardiaceae). Turkish Journal of Pharmaceutical Sciences, 2020, 17, 343-348.	0.6	7
440	Effects of Terpinolene and Physical Activity on Memory and Learning in a Model of Alzheimer's Disease among Rats. Majallah-i DÄ•nishgÄh-i Ì'UlÅ«m-i PizishkÄ«-i Qum, 2020, 14, 25-33.	0.2	4
441	Oxidative Stress: A Comprehensive Review of Biochemical, Molecular, and Genetic Aspects in the Pathogenesis and Management of Varicocele. World Journal of Men?s Health, 2022, 40, 87.	1.7	15
442	Ultrasound (US)-activated redox dyshomeostasis therapy reinforced by immunogenic cell death (ICD) through a mitochondrial targeting liposomal nanosystem. Theranostics, 2021, 11, 9470-9491.	4.6	29
443	Chemical composition, antiproliferative and antioxidant attributes of ethanolic extract of resinous sediment from Etlingera elatior (Jack.) inflorescence. Brazilian Journal of Pharmaceutical Sciences, 0, 57, .	1.2	2
444	Genetic repression of the antioxidant enzymes reduces the lifespan in Drosophila melanogaster. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2022, 192, 1-13.	0.7	9
445	Mitochondrial Effects on Seeds of Cancer Survival in Leukemia. Frontiers in Oncology, 2021, 11, 745924.	1.3	4
446	Xanthorrhizol inhibits nonâ€small cell carcinoma (<scp>A</scp>549) cell growth and promotes apoptosis through modulation of <scp>PI3K/AKT</scp> and <scp>NFâ€ºB</scp> signaling pathway. Environmental Toxicology, 2022, 37, 120-130.	2.1	5
447	Vanadium Induces Oxidative Stress and Mitochondrial Quality Control Disorder in the Heart of Ducks. Frontiers in Veterinary Science, 2021, 8, 756534.	0.9	8
448	Environmental concentrations of Roundup in combination with chlorpromazine or heating causes biochemical disturbances in the bivalve mollusc Unio tumidus. Environmental Science and Pollution Research, 2022, 29, 14131-14142.	2.7	8
449	Thiohydantoins as Potential Antioxidant Agents: In vitro and in silico evaluation. ChemistrySelect, 2021, 6, 10429-10435.	0.7	7
450	Mechanisms of TLR4-Mediated Autophagy and Nitroxidative Stress. Frontiers in Cellular and Infection Microbiology, 2021, 11, 766590.	1.8	16
451	Induction of Apoptotic Cell Death by Oral Streptococci in Human Periodontal Ligament Cells. Frontiers in Microbiology, 2021, 12, 738047.	1.5	4
452	Tea polyphenols alleviate hydrogen peroxideâ€'induced oxidative stress damage through the Mst/Nrf2 axis and the Keap1/Nrf2/HOâ€'1 pathway in murine RAW264.7 cells. Experimental and Therapeutic Medicine, 2021, 22, 1473.	0.8	12
453	Redox-Modulating Capacity and Antineoplastic Activity of Wastewater Obtained from the Distillation of the Essential Oils of Four Bulgarian Oil-Bearing Roses. Antioxidants, 2021, 10, 1615.	2.2	8
454	Triggers for the Nrf2/ARE Signaling Pathway and Its Nutritional Regulation: Potential Therapeutic Applications of Ulcerative Colitis. International Journal of Molecular Sciences, 2021, 22, 11411.	1.8	21

#	Article	IF	Citations
455	Salvia Species as Nutraceuticals: Focus on Antioxidant, Antidiabetic and Anti-Obesity Properties. Applied Sciences (Switzerland), 2021, 11, 9365.	1.3	10
456	Microenvironmental Reactive Oxygen Species in Colorectal Cancer: Involved Processes and Therapeutic Opportunities. Cancers, 2021, 13, 5037.	1.7	20
457	Oxidative Stress-Induced Autophagy Impairment and Pathogenesis of Chronic Obstructive Lung Diseases. , 2019, , 389-425.		0
458	Free Radicals and Reactive Oxygen Species in Cardiovascular Pathophysiology: An Overview. , 2019, , 403-418.		0
459	Oxidative Stress as a Critical Determinant of Adult Cardiac Progenitor Cell-Fate Decisions. , 2019, , 339-363.		0
460	Amiodarone-induced thyrotoxicosis type 2: predictors and treatment options. AlÊ¹manah KliniÄeskoj Mediciny, 2019, 47, 156-165.	0.2	0
461	Role of Neuroimaging Modality in the Assessment of Oxidative Stress in Brain: A Comprehensive Review. CNS and Neurological Disorders - Drug Targets, 2019, 18, 372-381.	0.8	10
462	Bioactive Compounds of Camu-Camu (Myrciaria dubia (Kunth) McVaugh). Reference Series in Phytochemistry, 2020, , 1-25.	0.2	0
463	The Therapeutic Potential of Glutathione Supplement: A Review of Clinical Trials. European Journal of Medical and Health Sciences, 2020, 2, .	0.1	1
464	Evaluation of the hepatoprotective effect of oral administration of aqueous fraction of methanolic extract of Costus afer leaves during induction of hepatocellular carcinoma with diethylnitrosamine in rats. Comparative Clinical Pathology, 2020, 29, 733-744.	0.3	4
465	Peculiarities of redox status regulation in blood of patients with different types of pancreatic lesions. IssledovaniÃ¢ I Praktika V Medicine, 2020, 7, 30-46.	0.1	0
467	Mori Ramulus Suppresses Hydrogen Peroxide-Induced Oxidative Damage in Murine Myoblast C2C12 Cells through Activation of AMPK. International Journal of Molecular Sciences, 2021, 22, 11729.	1.8	6
468	Improving the Strength and Leaching Characteristics of Pb-Contaminated Silt through MICP. Crystals, 2021, 11, 1303.	1.0	9
469	Efficacy and safety of Resveratrol combined with Ablative Fractional CO 2 laser system in the treatment of skin photoaging. Journal of Cosmetic Dermatology, 2021, 20, 3880-3888.	0.8	1
470	Protective Effect of an Exopolysaccharide Produced by Lactiplantibacillus plantarum BGAN8 Against Cadmium-Induced Toxicity in Caco-2 Cells. Frontiers in Microbiology, 2021, 12, 759378.	1.5	12
471	Development of bioactive catechol functionalized nanoparticles applicable for 3D bioprinting. Materials Science and Engineering C, 2021, 131, 112515.	3.8	10
472	Evaluation of systemic oxidative stress in patients with premature canities and correlation of severity of hair graying with the degree of redox imbalance. International Journal of Trichology, 2020, 12, 16.	0.1	5
473	Polydopamine-Based Multifunctional Antitumor Nanoagent for Phototherapy and Photodiagnosis by Regulating Redox Balance. ACS Applied Bio Materials, 2020, 3, 8667-8675.	2.3	12

#	Article	IF	Citations
474	Protective Effects of Fermented Paprika (Capsicum annuum L.) on Sodium Iodate-Induced Retinal Damage. Nutrients, 2021, 13, 25.	1.7	15
475	The state of antioxidant defense system in young persons with gastroesophageal reflux disease and autoimmune thyrioditis. Medicni Perspektivi, 2020, 25, 87-93.	0.1	1
476	Effect of Dietary Methionine Deficiency Followed by a Re-Feeding Phase on the Hepatic Antioxidant Activities of Lambs. Animals, 2021, 11, 7.	1.0	2
477	Bioactive Compounds of Camu-Camu (Myrciaria dubia (Kunth) McVaugh). Reference Series in Phytochemistry, 2020, , 329-352.	0.2	0
478	Effect of hydrogen peroxide on the oxidative burst of neutrophils in pigs and ruminants. Veterinary World, 2020, 13, 1934-1939.	0.7	1
479	Apoptotic Cell Death: Important Cellular Process as Chemotherapeutic Target. , 2020, , 65-88.		1
480	Cell death mechanismsâ€"Apoptosis pathways and their implications in toxicology. , 2020, , 199-228.		0
481	Autophagy and the potential linkage with the human oral diseases. Journal of Dental Problems and Solutions, 2020, 7, 010-019.	0.0	1
482	OXIDATIVE STRESS AND MITOCHONDRIAL DYSFUNCTION. News of the National Academy of Sciences of the Republic of Kazakhstan Series of Biological and Medical, 2020, 2, 31-40.	0.0	0
483	Dissecting in vivo and in vitro redox responses using chemogenetics. Free Radical Biology and Medicine, 2021, 177, 360-369.	1.3	14
484	Targeting the redox imbalance in mitochondria: A novel mode for cancer therapy. Mitochondrion, 2022, 62, 50-73.	1.6	24
485	Precision-cut liver slices as a model for assess hepatic cellular response of chitosanâ€"glutathione nanoparticles on cultures treated with zilpaterol and clenbuterol. Toxicology Mechanisms and Methods, 2022, 32, 313-324.	1.3	1
486	Blumea laciniata protected Hep G2 cells and Caenorhabditis elegans against acrylamide-induced toxicity via insulin/IGF-1 signaling pathway. Food and Chemical Toxicology, 2021, 158, 112667.	1.8	5
487	Antioxidant Activity of Surinamese Medicinal Plants with Adaptogenic Properties and Correlation with Total Phenolic Contents. Journal of Antioxidant Activity, 2020, 2, 11-28.	1.0	4
488	The neuroprotective effect of lamotrigine against glutamate excitotoxicity in SH-SY5Y human neuroblastoma cells. Marmara Medical Journal, 0, , .	0.2	2
489	Research status and prgoress of nonalcoholic fatty pancreatic disease. World Chinese Journal of Digestology, 2020, 28, 933-950.	0.0	0
490	Stage-Specific Differential Gene Expression of Glutathione Peroxidase in Leishmania Major and Leishmania Tropica. Reports of Biochemistry and Molecular Biology, 2020, 9, 324-330.	0.5	1
491	New bis- and tetrakis-1,2,3-triazole derivatives: Synthesis, DNA cleavage, molecular docking, antimicrobial, antioxidant activity and acid dissociation constants. Bioorganic and Medicinal Chemistry Letters, 2022, 55, 128453.	1.0	32

#	Article	IF	Citations
492	Induction of carbonyl reductase 1 (CR1) gene expression in Daphnia magna by TNT, but not its key metabolites 2-ADNT and 4-ADNT. Chemico-Biological Interactions, 2022, 351, 109752.	1.7	2
493	Oxidative reactivity across kingdoms in the gut: Host immunity, stressed microbiota and oxidized foods. Free Radical Biology and Medicine, 2022, 178, 97-110.	1.3	8
494	Aspalathus Linearis extract ameliorate Haematological disorder, Dyslipidaemia and Tissue toxicity associated with Arsenic exposure in Rats. Phytomedicine Plus, 2022, 2, 100171.	0.9	1
495	Neuroprotective effects of fluorophore-labelled manganese complexes: Determination of ROS production, mitochondrial membrane potential and confocal fluorescence microscopy studies in neuroblastoma cells. Journal of Inorganic Biochemistry, 2022, 227, 111670.	1.5	9
496	Editorial: Combating Redox Imbalance-Associated Complications With Natural Products. Frontiers in Pharmacology, 2021, 12, 802750.	1.6	4
497	Protofibril formation: decreased total glutathione concentration as an early indicator of neuron damage in the brainstems of Wistar rats treated with rotenone. F1000Research, 0, 10, 1158.	0.8	0
498	Flavonoid-Rich Extract of Paeonia lactiflora Petals Alleviate d-Galactose-Induced Oxidative Stress and Restore Gut Microbiota in ICR Mice. Antioxidants, 2021, 10, 1889.	2.2	5
499	Increased Oxidative Stress in Gastric Cancer Patients and Their First-Degree Relatives: A Prospective Study from Northeastern Brazil. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-9.	1.9	10
500	Peroxiredoxin-6 regulates p38-mediated epithelialâ€“mesenchymal transition in HCT116 colon cancer cells. Journal of Biological Research, 2021, 28, 22.	2.2	5
501	Taurine as a Natural Antioxidant: From Direct Antioxidant Effects to Protective Action in Various Toxicological Models. Antioxidants, 2021, 10, 1876.	2.2	45
502	Bi-phasic effect of gelatin in myogenesis and skeletal muscle regeneration. DMM Disease Models and Mechanisms, 2021, 14, .	1.2	3
503	Protection against Oxidative Stress-Induced Apoptosis by Fermented Sea Tangle (Laminaria japonica) Tj ETQq1 1 0.784314 rgBT /Ove 2807.	1.9	5
504	Vitamin E boosted the protective potential of Aloe vera in CCl4-treated rats. Biologia (Poland), 2022, 77, 269-276.	0.8	3
505	Occurrence of heavy metals and their removal in Perna viridis mussels using chemical methods: a review. Environmental Science and Pollution Research, 2022, 29, 4803-4821.	2.7	4
506	The Significant Influence of a Second Metal on the Antiproliferative Properties of the Complex [Ru(Î·⁶â^'C₁₀H₁₄)(Cl₂)(dmoPTA)]. Chemistry - A European Journal, 2022, 28, e202103048.	1.7	8
507	3D Breast Tumor Models for Radiobiology Applications. Cancers, 2021, 13, 5714.	1.7	5
508	Structural and functional relationship of mammalian and nematode ferritins. Biotechnologia, 2021, 102, 457-471.	0.3	0
516	Nanoconfined anti-oxidizing RAFT nitroxide radical polymer for reduction of low-density lipoprotein oxidation and foam cell formation. Nanoscale Advances, 2022, 4, 742-753.	2.2	5

#	Article	IF	Citations
517	DNA Damage and Proteomic Profile Changes in Rat Salivary Glands After Chronic Exposure to Inorganic Mercury. Biological Trace Element Research, 2022, , 1.	1.9	1
518	Retinal toxicity of isoflucypram to zebrafish (Danio rerio). Aquatic Toxicology, 2022, 243, 106073.	1.9	5
519	Rheumatoid arthritis microenvironment insights into treatment effect of nanomaterials. Nano Today, 2022, 42, 101358.	6.2	71
520	Benzothiazole based fluorescent probes for the detection of biomolecules, physiological conditions, and ions responsible for diseases. Dyes and Pigments, 2022, 199, 110074.	2.0	30
521	Biological and medical value of antioxidant protection system of the human body. Medicina SÊ¹ogodnÃ¬ Ã¬ Zavtra, 2021, 90, 21-32.	0.0	0
522	Targeting the Antioxidant Enzymes for the Treatment of Reactive Oxygen Species (ROS)-Induced Cancer. , 2022, , 1-20.		0
523	2â€²-Fucosyllactose Ameliorates Oxidative Stress Damage in d-Galactose-Induced Aging Mice by Regulating Gut Microbiota and AMPK/SIRT1/FOXO1 Pathway. Foods, 2022, 11, 151.	1.9	13
524	Characterization of the Impact of Classical Cellâ€culture Media on the Response of Electrochemical Sensors. Electroanalysis, 2022, 34, 1201-1211.	1.5	8
525	Exposure to biogenic phosphorus nano-agromaterials promotes early hatching and causes no acute toxicity in zebrafish embryos. Environmental Science: Nano, 2022, 9, 1364-1380.	2.2	4
526	Pinocembrin ameliorates acute liver failure via activating the Sirt1/PPARÎ± pathway in vitro and in vivo. European Journal of Pharmacology, 2022, 915, 174610.	1.7	10
527	Dihydroartemisinin-Transferrin Adducts Enhance TRAIL-Induced Apoptosis in Triple-Negative Breast Cancer in a P53-Independent and ROS-Dependent Manner. Frontiers in Oncology, 2021, 11, 789336.	1.3	7
528	Microtubule-Targeting Agents Induce ROS-Mediated Apoptosis in Cancer. , 2022, , 565-582.		0
529	Reactive oxygen species: Key players in the anticancer effects of apigenin?. Journal of Food Biochemistry, 2022, 46, e14060.	1.2	6
530	Redox dyshomeostasis strategy for tumor therapy based on nanomaterials chemistry. Chemical Science, 2022, 13, 2202-2217.	3.7	49
531	Prognostic impact of pretreatment serum superoxide dismutase activity in patients with locoregionally advanced nasopharyngeal carcinoma. International Journal of Biological Markers, 2022, 37, 21-30.	0.7	0
532	Biomarkers of Oxidative Stress in Cancer and Their Clinical Implications. , 2022, , 711-730.		0
533	Novel mechanistic insight on the neuroprotective effect of berberine: The role of PPARÎ´ for antioxidant action. Free Radical Biology and Medicine, 2022, 181, 62-71.	1.3	14
534	Mitochondria-mediated oxidative stress during viral infection. Trends in Microbiology, 2022, 30, 679-692.	3.5	91

#	Article	IF	Citations
535	Oxidative Stress in Cancer Therapy: Friend or Enemy?. ChemBioChem, 2022, 23, .	1.3	49
536	ROS Induced by Chemo- and Targeted Therapy Promote Apoptosis in Cancer Cells. , 2022, , 583-598.		0
537	Septilin: A versatile anticlastogenic, antigenotoxic, antioxidant and histoprotective herbo-mineral formulation on cisplatin-induced toxicity in mice. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2022, 874-875, 503441.	0.9	2
538	Alumina nanoparticles-induced heterophil extracellular traps exacerbate liver injury by regulating oxidative stress and inflammation in chickens. Journal of Inorganic Biochemistry, 2022, 229, 111725.	1.5	5
539	Epigallocatechin gallate enhances human lens epithelial cell survival after UVB irradiation via the mitochondrial signaling pathway. Molecular Medicine Reports, 2022, 25, .	1.1	9
540	Revisiting therapeutic strategies for ovarian cancer by focusing on redox homeostasis (Review). Oncology Letters, 2022, 23, 80.	0.8	3
541	Inositol hexakisphosphate induces apoptosis, cell cycle arrest in non-Hodgkinâ€™s Burkitt lymphoma cells and mediates anti-angiogenic, antitumor effects in T-cell lymphoma bearing Swiss albino mice. Arabian Journal of Chemistry, 2022, 15, 103760.	2.3	1
542	Oxidative Stress in Human Pathology and Aging: Molecular Mechanisms and Perspectives. Cells, 2022, 11, 552.	1.8	183
543	Enantioselective acute toxicity, oxidative stress effects, neurotoxicity, and thyroid disruption of uniconazole in zebrafish (Danio rerio). Environmental Science and Pollution Research, 2022, 29, 40157-40168.	2.7	4
544	Response surface optimization of enzymatic hydrolysis and ROS scavenging activity of silk sericin hydrolysates. Pharmaceutical Biology, 2022, 60, 308-318.	1.3	3
545	A putative short-chain dehydrogenase Rv0148 of Mycobacterium tuberculosis affects bacterial survival and virulence. Current Research in Microbial Sciences, 2022, 3, 100113.	1.4	2
546	Evidence for Ovarian and Testicular Toxicities of Cadmium and Detoxification by Natural Substances. Stresses, 2022, 2, 1-16.	1.8	6
547	Therapeutic Implications of Piperlongumine. , 2021, , 1-22.		0
548	Structural Characterization of a Novel Marine Polysaccharide from Mussel and its Antioxidant Activity in Raw264.7 Cells Induced by H2o2. SSRN Electronic Journal, 0, , .	0.4	0
550	Multiple Roles of Mitochondria in the Rostral Ventrolateral Medulla during Brain Stem Death. Translational Research in Biomedicine, 2022, , 35-46.	0.4	0
551	Targeting Tumors Through Enhancers of Oxidative Stress. , 2022, , 1-25.		0
553	Mitochondrial metabolism in progression of liver cancer. , 2022, , 153-165.		0
554	Basic mechanisms of peripheral nerve injury and treatment via electrical stimulation. Neural Regeneration Research, 2022, 17, 2185.	1.6	35

#	Article	IF	Citations
556	Astaxanthin protects against hearing impairment in diabetic rats. Brazilian Journal of Otorhinolaryngology, 2022, 88, S73-S80.	0.4	2
557	Oxidative Stress, Inflammation and Connexin Hemichannels in Muscular Dystrophies. Biomedicines, 2022, 10, 507.	1.4	5
558	Antioxidant Therapy in Oxidative Stress-Induced Neurodegenerative Diseases: Role of Nanoparticle-Based Drug Delivery Systems in Clinical Translation. Antioxidants, 2022, 11, 408.	2.2	49
559	Recent Progress in Antioxidant Active Substances from Marine Biota. Antioxidants, 2022, 11, 439.	2.2	17
560	Long-term administration of salvianolic acid A promotes endogenous neurogenesis in ischemic stroke rats through activating Wnt3a/GSK3Î²/Î²-catenin signaling pathway. Acta Pharmacologica Sinica, 2022, 43, 2212-2225.	2.8	11
561	Glutathione Peroxidases in Plants: Innumerable Role in Abiotic Stress Tolerance and Plant Development. Journal of Plant Growth Regulation, 2023, 42, 598-613.	2.8	23
562	Purification and identification of a novel hypotensive and antioxidant peptide from porcine plasma. Journal of the Science of Food and Agriculture, 2022, 102, 4933-4941.	1.7	3
563	Protective Effect of Chrysanthemum boreale Flower Extracts against A2E-Induced Retinal Damage in ARPE-19 Cell. Antioxidants, 2022, 11, 669.	2.2	2
564	The protective effect of safranal against intestinal tissue damage in Drosophila. Toxicology and Applied Pharmacology, 2022, 439, 115939.	1.3	2
565	The Bright and Dark Sides of Reactive Oxygen Species Generated by Copperâ€“Peptide Complexes. Separations, 2022, 9, 73.	1.1	6
566	Positive Aspects of Oxidative Stress at Different Levels of the Human Body: A Review. Antioxidants, 2022, 11, 572.	2.2	31
567	Genome-Wide Identification and Expression Analysis of the Thioredoxin (Trx) Gene Family Reveals Its Role in Leaf Rust Resistance in Wheat (Triticum aestivum L.). Frontiers in Genetics, 2022, 13, 836030.	1.1	8
568	Protective Effects of Scutellarin on Acute Alcohol Intestinal Injury. Chemistry and Biodiversity, 2022, 19, .	1.0	1
569	Oxidative Stress and 4-hydroxy-2-nonenal (4-HNE): Implications in the Pathogenesis and Treatment of Aging-related Diseases. Journal of Immunology Research, 2022, 2022, 1-12.	0.9	20
570	Angelica gigas NAKAI and Its Active Compound, Decursin, Inhibit Cellular Injury as an Antioxidant by the Regulation of AMP-Activated Protein Kinase and YAP Signaling. Molecules, 2022, 27, 1858.	1.7	9
571	DRG2 Depletion Promotes Endothelial Cell Senescence and Vascular Endothelial Dysfunction. International Journal of Molecular Sciences, 2022, 23, 2877.	1.8	4
572	Nuclear-Mitochondrial Interactions. Biomolecules, 2022, 12, 427.	1.8	30
573	Protective Effect of Sufentanil on Myocardial Ischemia-Reperfusion Injury in Rats by Inhibiting Endoplasmic Reticulum Stress. Computational and Mathematical Methods in Medicine, 2022, 2022, 1-8.	0.7	5

#	Article	IF	Citations
574	Enzymatic Depletion of Mitochondrial Inorganic Polyphosphate (polyP) Increases the Generation of Reactive Oxygen Species (ROS) and the Activity of the Pentose Phosphate Pathway (PPP) in Mammalian Cells. Antioxidants, 2022, 11, 685.	2.2	15
575	Thiol-Disulfide Homeostasis in Skin Diseases. Journal of Clinical Medicine, 2022, 11, 1507.	1.0	12
576	Nano-titanium dioxide inhalation exposure during gestation drives redox dysregulation and vascular dysfunction across generations. Particle and Fibre Toxicology, 2022, 19, 18.	2.8	7
577	Vitamin D receptor deficiency increases systolic blood pressure by upregulating the reninâ€'angiotensin system and autophagy. Experimental and Therapeutic Medicine, 2022, 23, 314.	0.8	4
578	Mechanistic Insight into Diosmin-Induced Neuroprotection and Memory Improvement in Intracerebroventricular-Quinolinic Acid Rat Model: Resurrection of Mitochondrial Functions and Antioxidants. Evidence-based Complementary and Alternative Medicine, 2022, 2022, 1-14.	0.5	1
579	The Role of ROS as a Double-Edged Sword in (In)Fertility: The Impact of Cancer Treatment. Cancers, 2022, 14, 1585.	1.7	16
580	Enhanced RAGE Expression and Excess Reactive-Oxygen Species Production Mediates Rho Kinase-Dependent Detrusor Overactivity After Methylglyoxal Exposure. Frontiers in Physiology, 2022, 13, 860342.	1.3	7
581	Polyphenol-rich fraction of Terminalia catappa prevents chronic lead acetate induced oxidative stress and cardiorenal toxicities in rats. Clinical Complementary Medicine and Pharmacology, 2022, , 100032.	0.9	1
582	Antidepressant Potential of Quercetin and its Glycoside Derivatives: A Comprehensive Review and Update. Frontiers in Pharmacology, 2022, 13, 865376.	1.6	21
583	Schisandra chinensis Oil Attenuates Aristolochic Acid I-Induced Nephrotoxicity in vivo and in vitro. Chinese Journal of Integrative Medicine, 2022, 28, 603-611.	0.7	1
584	Shedding light on the toxicity of SARS-CoV-2-derived peptide in non-target COVID-19 organisms: A study involving inbred and outbred mice. NeuroToxicology, 2022, 90, 184-196.	1.4	8
585	GPx8 regulates apoptosis and autophagy in esophageal squamous cell carcinoma through the IRE1/JNK pathway. Cellular Signalling, 2022, 93, 110307.	1.7	5
586	S-nitrosoglutathione alleviates hyperglycemia-induced neurobehavioral deficits involving nitro-oxidative stress and aberrant monaminergic system. Nitric Oxide - Biology and Chemistry, 2022, 122-123, 35-44.	1.2	1
587	Effects of in ovo feeding and dietary addition oils on growth performance and immune function of broiler chickens. Poultry Science, 2022, 101, 101815.	1.5	7
588	DNA damage by reactive oxygen species resulting from metabolic activation of 8-epidiosbulbin E acetate in vitro and in vivo. Toxicology and Applied Pharmacology, 2022, 443, 116007.	1.3	6
589	Structural characterization of a novel marine polysaccharide from mussel and its antioxidant activity in RAW264.7 cells induced by H2O2. Food Bioscience, 2022, 47, 101659.	2.0	12
590	Maternal exposure to bisphenol S induces neuropeptide signaling dysfunction and oxidative stress in the brain, and abnormal social behaviors in zebrafish (Danio rerio) offspring. Science of the Total Environment, 2022, 830, 154794.	3.9	10
591	The Modulation of Nrf-2/HO-1 Signaling Axis by Carthamus tinctorius L. Alleviates Vascular Inflammation in Human Umbilical Vein Endothelial Cells. Plants, 2021, 10, 2795.	1.6	3

#	Article	IF	Citations
592	Oxidative Stress Is a Key Modulator in the Development of Nonalcoholic Fatty Liver Disease. Antioxidants, 2022, 11, 91.	2.2	61
593	Identification of Crucial Genes and Infiltrating Immune Cells Underlying Sepsis-Induced Cardiomyopathy via Weighted Gene Co-Expression Network Analysis. Frontiers in Genetics, 2021, 12, 812509.	1.1	9
594	Ginsenosides Conversion and Anti-Oxidant Activities in Puffed Cultured Roots of Mountain Ginseng. Processes, 2021, 9, 2271.	1.3	4
595	Surface Decoration of Redox-Modulating Nanoceria on 3D-Printed Tissue Scaffolds Promotes Stem Cell Osteogenesis and Attenuates Bacterial Colonization. Biomacromolecules, 2022, 23, 226-239.	2.6	19
596	Synthesis and biological evaluation of halogenated phenoxychalcones and their corresponding pyrazolines as cytotoxic agents in human breast cancer. Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 189-201.	2.5	16
597	Hydrogen Peroxide and Amyotrophic Lateral Sclerosis: From Biochemistry to Pathophysiology. Antioxidants, 2022, 11, 52.	2.2	11
598	Murburn precepts for lacticâ€acidosis, Cori cycle, and Warburg effect: Interactive dynamics of dehydrogenases, protons, and oxygen. Journal of Cellular Physiology, 2022, 237, 1902-1922.	2.0	15
599	Evaluation of antioxidant and antiinflammatory activity of ethanolic extracts ofPolygonum senticosumin lipopolysaccharide-induced RAW 264.7 macrophages. Laboratoriums Medizin, 2022, 46, 51-59.	0.1	2
600	Sirtuins and Sepsis: Cross Talk between Redox and Epigenetic Pathways. Antioxidants, 2022, 11, 3.	2.2	7
601	Dietary supplementation of <scp>Allium cepa</scp> skin alters intramuscular fat, muscle cholesterol, and fatty acids in rabbits. Journal of the Science of Food and Agriculture, 2022, 102, 3683-3692.	1.7	3
602	Altered proteome in translation initiation fidelity defective eIF5G31R mutant causes oxidative stress and DNA damage. Scientific Reports, 2022, 12, 5033.	1.6	3
603	Moringa oleifera leaf extract restored the diameter and epithelium thickness of the seminiferous tubules of rat (Rattus norvegicus) injected with gentamicin. Ovozoa Journal of Animal Reproduction, 2022, 11, 15-21.	0.0	1
604	Trans-anethole Ameliorates Intestinal Injury Through Activation of Nrf2 Signaling Pathway in Subclinical Necrotic Enteritis-Induced Broilers. Frontiers in Veterinary Science, 2022, 9, 877066.	0.9	6
605	In Vitro Study of the Biological Potential of Wastewater Obtained after the Distillation of Four Bulgarian Oil-Bearing Roses. Plants, 2022, 11, 1073.	1.6	7
606	Anti-Inflammatory and Anti-Oxidative Effects of Isorhamnetin for Protection Against Lung Injury in a Rat Model of Heatstroke in a Dry-Heat Environment. Medical Science Monitor, 2022, 28, e935426.	0.5	2
607	Leucine protects bovine intestinal epithelial cells from hydrogen <scp>peroxideâ€induced</scp> apoptosis by alleviating oxidative damage. Journal of the Science of Food and Agriculture, 2022, 102, 5903-5912.	1.7	5
608	Mitochondrial Calcium: Effects of Its Imbalance in Disease. Antioxidants, 2022, 11, 801.	2.2	42
609	Structure-activity relationships of 1,4-bis(arylsulfonamido)-benzene or naphthalene-N,Nâ€²-diacetic acids with varying C2-substituents as inhibitors of Keap1-Nrf2 protein-protein interaction. European Journal of Medicinal Chemistry, 2022, 237, 114380.	2.6	10

#	Article	IF	Citations
610	Oxidative stress as a plausible mechanism for zearalenone to induce genome toxicity. Gene, 2022, 829, 146511.	1.0	17
619	Aqueous extracts of Corni Fructus protect C2C12 myoblasts from DNA damage and apoptosis caused by oxidative stress. Molecular Biology Reports, 2022, 49, 4819-4828.	1.0	0
620	Folic Acid-Functionalized Carbon Dot-Enabled Starvation Therapy in Synergism with Paclitaxel against Breast Cancer. ACS Applied Bio Materials, 2022, 5, 2389-2402.	2.3	8
621	The potential of Ginkgo biloba in the treatment of human diseases and the relationship to Nrf2â€“mediated antioxidant protection. Journal of Pharmacy and Pharmacology, 2022, 74, 1689-1699.	1.2	5
622	Quantitative estimation of intracellular oxidative stress in human tissues. Briefings in Bioinformatics, 2022, 23, .	3.2	3
623	Research on Mechanism of miR-106a Nanoparticles Carrying Dexmedetomidine in Regulating Recovery and Metabolism of Nerve Cells in Hypoxia-Reoxygenation Injury. Journal of Biomedical Nanotechnology, 2022, 18, 343-351.	0.5	0
624	Increased LCN2 (lipocalin 2) in the RPE decreases autophagy and activates inflammasome-ferroptosis processes in a mouse model of dry AMD. Autophagy, 2023, 19, 92-111.	4.3	41
625	Mitochondria and the NLRP3 Inflammasome in Alcoholic and Nonalcoholic Steatohepatitis. Cells, 2022, 11, 1475.	1.8	16
626	Taurine as a possible antiaging therapy: A controlled clinical trial on taurine antioxidant activity in women ages 55 to 70. Nutrition, 2022, 101, 111706.	1.1	8
627	Chronic Inflammation in Non-Healing Skin Wounds and Promising Natural Bioactive Compounds Treatment. International Journal of Molecular Sciences, 2022, 23, 4928.	1.8	53
628	Eugenol Improves Follicular Survival and Development During in vitro Culture of Goat Ovarian Tissue. Frontiers in Veterinary Science, 2022, 9, 822367.	0.9	4
629	FOXO3a-ROS pathway is involved in androgen-induced proliferation of prostate cancer cell. BMC Urology, 2022, 22, 70.	0.6	5
630	Protection of Oxidative Stress-induced DNA Damage and Apoptosis by Rosmarinic Acid in Murine Myoblast C2C12 Cells. Biotechnology and Bioprocess Engineering, 2022, 27, 171-182.	1.4	8
631	Effects of Oral Carotenoids on Oxidative Stress: A Systematic Review and Meta-Analysis of Studies in the Recent 20 Years. Frontiers in Nutrition, 2022, 9, 754707.	1.6	8
632	Analysis of Mitochondrial Function in Cell Membranes as Indicator of Tissue Vulnerability to Drugs in Humans. Biomedicines, 2022, 10, 980.	1.4	2
633	Sirtuin1 attenuates acute liver failure by reducing reactive oxygen species via hypoxia inducible factor 1Î±. World Journal of Gastroenterology, 2022, 28, 1798-1813.	1.4	1
634	Thrombosis-Related DNA Polymorphisms. , 0, , .		0
635	Good bacteria, oxidative stress and neurological disorders: Possible therapeutical considerations. Life Sciences, 2022, 301, 120605.	2.0	8

#	Article	IF	Citations
636	Remodeling Osteoarthritic Articular Cartilage under Hypoxic Conditions. International Journal of Molecular Sciences, 2022, 23, 5356.	1.8	4
637	ROS Modulating Inorganic Nanoparticles: A Novel Cancer Therapeutic Tool. Recent Advances in Drug Delivery and Formulation, 2022, 16, 84-89.	0.3	2
638	OfSPL11 Gene from Osmanthus fragrans Promotes Plant Growth and Oxidative Damage Reduction to Enhance Salt Tolerance in Arabidopsis. Horticulturae, 2022, 8, 412.	1.2	6
639	Interference With Redox Homeostasis Through a G6PD-Targeting Self-Assembled Hydrogel for the Enhancement of Sonodynamic Therapy in Breast Cancer. Frontiers in Chemistry, 2022, 10, .	1.8	6
640	Characterization of EPO H131S as a key mutation site in the hypoxia-adaptive evolution of Gymnocypris dobula. Fish Physiology and Biochemistry, 2022, 48, 723-733.	0.9	3
641	Application of Cerium Dioxide Nanoparticles and Chromium-Resistant Bacteria Reduced Chromium Toxicity in Sunflower Plants. Frontiers in Plant Science, 2022, 13, .	1.7	15
642	Effect of starvation and refeeding on reactive oxygen species, autophagy and oxidative stress in Chinese perch (Siniperca chuatsi) muscle growth. Journal of Fish Biology, 2022, 101, 168-178.	0.7	4
643	A comparation between different iron sources on growth performance, iron utilization, antioxidant capacity and non-specific immunity in Eriocheir sinensis. Animal Feed Science and Technology, 2022, 288, 115300.	1.1	2
644	Bee gomogenat rescues lymphoid organs from degeneration by regulating the crosstalk between apoptosis and autophagy in streptozotocin-induced diabetic mice. Environmental Science and Pollution Research, 2022, 29, 68990-69007.	2.7	2
646	Anti-TLR4 IgG2 prevents acetaminophen-induced acute liver injury through the Toll-like receptor 4/MAPKs signaling pathway in mice. Current Molecular Medicine, 2022, 22, .	0.6	1
647	Thioredoxin 1 regulates the pentose phosphate pathway via ATM phosphorylation after experimental subarachnoid hemorrhage in rats. Brain Research Bulletin, 2022, 185, 162-173.	1.4	2
648	Prostate cancer addiction to oxidative stress defines sensitivity to anti-tumor neutrophils. Clinical and Experimental Metastasis, 2022, 39, 641-659.	1.7	6
649	Plant- and Animal-Based Antioxidantsâ€™ Structure, Efficacy, Mechanisms, and Applications: A Review. Antioxidants, 2022, 11, 1025.	2.2	46
650	Antiretroviral Therapy-Induced Dysregulation of Gene Expression and Lipid Metabolism in HIV+ Patients: Beneficial Role of Antioxidant Phytochemicals. International Journal of Molecular Sciences, 2022, 23, 5592.	1.8	1
651	Nano-bioengineered sensing technologies for real-time monitoring of reactive oxygen species in in vitro and in vivo models. Microchemical Journal, 2022, 180, 107615.	2.3	9
652	Robust Intervention of Oxidative Stress Injury Via Controllable Released Nanoparticles in Periodontitis by Regulating Ros-Pink1-Parkin Pathway. SSRN Electronic Journal, 0, , .	0.4	0
653	Characterization and Antioxidant Activities of Microstructures Prepared as Functional Food with Different Neutral Compounds and Bovine Serum Albumin. SSRN Electronic Journal, 0, , .	0.4	0
654	Supply of Antioxidants vs. Recruit Firefightersâ€™ Cellular Immune Status: A Randomized Double-Blinded Placebo-Controlled Parallel-Group Trial. Life, 2022, 12, 813.	1.1	1

#	Article	IF	Citations
655	Serum levels of vitamin A, selenium, and better dietary total antioxidant capacity are related to lower oxidative DNA damage: A cross-sectional study of individuals at cardiovascular risk. Journal of Nutritional Biochemistry, 2022, 107, 109070.	1.9	3
656	Chemical characterization and in vitro biological evaluation of aqueous extract of Althaea officinalis L. flower grown in Lebanon. Journal of Herbal Medicine, 2022, 34, 100575.	1.0	2
657	Effect of Platelet-Derived Growth Factor C on Mitochondrial Oxidative Stress Induced by High d-Glucose in Human Aortic Endothelial Cells. Pharmaceuticals, 2022, 15, 639.	1.7	3
658	Oxidative Stress and Its Role in Cd-Induced Epigenetic Modifications: Use of Antioxidants as a Possible Preventive Strategy. Oxygen, 2022, 2, 177-212.	1.6	7
659	Marine protein hydrolysates as a substitute of squidâ€liver powder in diets for Pacific white shrimp () Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.9	0
660	Water-Soluble, Alanine-Modified Fullerene C60 Promotes the Proliferation and Neuronal Differentiation of Neural Stem Cells. International Journal of Molecular Sciences, 2022, 23, 5714.	1.8	4
661	Toxicity assessment of polyethylene microplastics in combination with a mix of emerging pollutants on Physalaemus cuvieri tadpoles. Journal of Environmental Sciences, 2023, 127, 465-482.	3.2	25
662	Effects of Different Levels of Garlic Straw Powder on Growth Performance, Meat Quality, Antioxidant and Intestinal Mucosal Morphology of Yellow-Feathered Broilers. Frontiers in Physiology, 2022, 13, .	1.3	8
663	Unveiling the Biocompatible Properties of Date Palm Tree (Phoenix dactylifera L.) Biomass-Derived Lignin Nanoparticles. ACS Omega, 2022, 7, 19270-19279.	1.6	11
664	The respiratory cytotoxicity of typical organophosphorus flame retardants on five different respiratory tract cells: Which are the most sensitive one?. Environmental Pollution, 2022, 307, 119564.	3.7	11
665	A comparative study between olive oil and corn oil on oxidative metabolism. Food and Function, 0, , .	2.1	3
666	Germacrone induces caspaseâ€3/GSDME activation and enhances ROS production, causing HepG2 pyroptosis. Experimental and Therapeutic Medicine, 2022, 24, .	0.8	14
667	Cell-penetrating peptide-mediated delivery of therapeutic peptides/proteins to manage the diseases involving oxidative stress, inflammatory response and apoptosis. Journal of Pharmacy and Pharmacology, 2022, 74, 1085-1116.	1.2	5
668	Synergistic effects of arsenic and fluoride on oxidative stress and apoptotic pathway in Leydig and Sertoli cells. Toxicology, 2022, 475, 153241.	2.0	6
669	Tigecycline and Gentamicin-Combined Treatment Enhances Renal Damage: Oxidative Stress, Inflammatory Reaction, and Apoptosis Interplay. Pharmaceuticals, 2022, 15, 736.	1.7	9
670	Attenuation of methotrexate induced hepatotoxicity by epigallocatechin 3-gallate. Drug and Chemical Toxicology, 2023, 46, 717-725.	1.2	5
671	Composition and antioxidant activity of Paeonia lactiflora petal flavonoid extract and underlying mechanisms of the protective effect on H2O2-induced oxidative damage in BRL3A cells. Horticultural Plant Journal, 2023, 9, 335-344.	2.3	8
672	Effect of Dust Types on the Eco-Physiological Response of Three Tree Species Seedlings: Eucalyptus camaldulensis, Conocarpus erectus and Bombax ceiba. Atmosphere, 2022, 13, 1010.	1.0	5

#	Article	IF	Citations
673	Effects of Flavonoid Supplementation on Nanomaterial-Induced Toxicity: A Meta-Analysis of Preclinical Animal Studies. Frontiers in Nutrition, 0, 9, .	1.6	1
674	Endoplasmic Reticulum Stress and Impairment of Ribosome Biogenesis Mediate the Apoptosis Induced by Ocimum x africanum Essential Oil in a Human Gastric Cancer Cell Line. Medicina (Lithuania), 2022, 58, 799.	0.8	2
675	Oxidative brain and cerebellum injury induced by <scp>d</scp>â€galactosamine: Protective effect of Sâ€methyl methionine sulfonium chloride. Journal of Biochemical and Molecular Toxicology, 2022, 36, .	1.4	1
676	Integrated multi-omic data analysis and validation with yeast model show oxidative phosphorylation modulates protein aggregation in amyotrophic lateral sclerosis. Journal of Biomolecular Structure and Dynamics, 2023, 41, 5548-5567.	2.0	13
677	Redox signaling regulates skeletal muscle remodeling in response to exercise and prolonged inactivity. Redox Biology, 2022, 54, 102374.	3.9	17
678	Long-term exposure to bisphenol A and its analogues alters the behavior of marine medaka (Oryzias) Tj ETQq1 1 0.784314 rgBT /Over	3.9	18
679	The preventive effect of loganin on oxidative stress-induced cellular damage in human keratinocyte HaCaT cells. BioScience Trends, 2022, 16, 291-300.	1.1	3
680	Quantification of biomarkers and evaluation of antioxidant, anti-inflammatory, and cytotoxicity properties of Dodonaea viscosa grown in Saudi Arabia using HPTLC technique. Open Chemistry, 2022, 20, 559-569.	1.0	5
681	Assessment of lipid peroxidation in irradiated cells. Methods in Cell Biology, 2022, , 37-50.	0.5	6
682	Albumin-assembled copper-bismuth bimetallic sulfide bioactive nanosphere as an amplifier of oxidative stress for enhanced radio-chemodynamic combination therapy. Regenerative Biomaterials, 2022, 9, .	2.4	3
683	Dose-Dependent Variation in Anticancer Activity of Hexane and Chloroform Extracts of Field Horsetail Plant on Human Hepatocarcinoma Cells. BioMed Research International, 2022, 2022, 1-8.	0.9	1
684	Effects of ERCC5 rs751402 Polymorphism on Oxidative Stress and the Impact of Curcumin on Catalase Activity in Breast Carcinogenesis. Asian Pacific Journal of Cancer Prevention, 2022, 23, 2065-2070.	0.5	2
685	Emerging Evidence of the Significance of Thioredoxin-1 in Hematopoietic Stem Cell Aging. Antioxidants, 2022, 11, 1291.	2.2	3
686	Ethanol Metabolism in the Liver, the Induction of Oxidant Stress, and the Antioxidant Defense System. Antioxidants, 2022, 11, 1258.	2.2	26
687	Opioids and Vitamin C: Known Interactions and Potential for Redox-Signaling Crosstalk. Antioxidants, 2022, 11, 1267.	2.2	5
688	Furfural Produces Dose-Dependent Attenuating Effects on Ethanol-Induced Toxicity in the Liver. Frontiers in Pharmacology, 0, 13, .	1.6	1
689	NADPH oxidase inhibitor development for diabetic nephropathy through water tank model. Kidney Research and Clinical Practice, 2022, 41, S89-S98.	0.9	6
690	Recent progress in therapeutic strategies and biomimetic nanomedicines for rheumatoid arthritis treatment. Expert Opinion on Drug Delivery, 0, , 1-16.	2.4	8

#	Article	IF	Citations
691	Mechanistic insights to lactic and formic acid toxicity on benthic oligochaete worm Tubifex tubifex. Environmental Science and Pollution Research, 2022, 29, 87319-87333.	2.7	6
692	The Protective Effect of Trichosanthes kirilowii Peel Polysaccharide on the Oxidative Damaged HepG2 and HUASMC Cells. Genetical Research, 2022, 2022, 1-8.	0.3	1
693	Malting barley carbon dots-mediated oxidative stress promotes insulin resistance in mice via NF-Î¹B pathway and MAPK cascade. Journal of Nanobiotechnology, 2022, 20, .	4.2	3
694	Age-Associated Molecular Changes in Human Hippocampus Subfields as Determined by Quantitative Proteomics. OMICS A Journal of Integrative Biology, 2022, 26, 382-391.	1.0	4
695	<scp>d</scp>â€riboseâ€<scp>l</scp>â€cysteine abrogates testicular maladaptive responses induced by polychlorinated bisphenol intoxication in rats via activation of the mTOR signaling pathway mediating inhibition of apoptosis, inflammation, and oxidonitrergic flux. Journal of Biochemical and Molecular Toxicology, 2022, 36, .	1.4	4
696	Genome-scale modeling drives 70-fold improvement of intracellular heme production in Saccharomyces cerevisiae. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	29
697	Inferred ancestry of scytonemin biosynthesis proteins in cyanobacteria indicates a response to Paleoproterozoic oxygenation. Geobiology, 2022, 20, 764-775.	1.1	2
698	Mediterranean-DASH Intervention for Neurodegenerative Delay (MIND) diet in relation to age-associated poor muscle strength; a cross-sectional study from the Kurdish cohort study. Scientific Reports, 2022, 12, .	1.6	0
699	The Sesquiterpene Lactone Cynaropicrin Manifests Strong Cytotoxicity in Glioblastoma Cells U-87 MG by Induction of Oxidative Stress. Biomedicines, 2022, 10, 1583.	1.4	5
700	A Review on the Antidiabetic Properties of Moringa oleifera Extracts: Focusing on Oxidative Stress and Inflammation as Main Therapeutic Targets. Frontiers in Pharmacology, 0, 13, .	1.6	8
701	Transcriptional responses are oriented towards different components of the rearing environment in two Drosophila sibling species. BMC Genomics, 2022, 23, .	1.2	5
702	Several natural phytochemicals from Chinese traditional fermented food-pickled Raphanus sativus L.: Purification and characterization. Food Chemistry: X, 2022, 15, 100390.	1.8	6
703	Cannabis smoke condensate induces human gingival epithelial cell damage through apoptosis, autophagy, and oxidative stress. Archives of Oral Biology, 2022, 141, 105498.	0.8	5
704	Curcumin mitigates deoxynivalenol-induced intestinal epithelial barrier disruption by regulating Nrf2/p53 and NF-Î¹B/MLCK signaling in mice. Food and Chemical Toxicology, 2022, 167, 113281.	1.8	22
705	Divalent cations of magnesium, iron and copper regulate oxidative responses and inflammatory cytokines in RAW 264.7 macrophages. Food Control, 2022, 141, 109212.	2.8	6
706	Safety assessment and oxidative stress evaluation of myricetin derivative-rich fraction from Syzygium malaccense in C57BL/6J mice. , 2021, 28, 803-815.		2
707	Melatonin Influences Stomatal Behavior, Root Morphology, Cell Viability, Photosynthetic Responses, Fruit Yield, and Fruit Quality of Tomato Plants Exposed to Salt Stress. Journal of Plant Growth Regulation, 2023, 42, 2408-2432.	2.8	18
708	Resveratrol treatment modulates several antioxidant and anti-inflammatory genes expression and ameliorated oxidative stress mediated fibrosis in the kidneys of high-fat diet-fed rats. Saudi Pharmaceutical Journal, 2022, 30, 1454-1463.	1.2	10

#	Article	IF	Citations
709	Potential role of Î²â€˜caroteneâ€˜modulated autophagy in puerperal breast inflammation (Review). Biomedical Reports, 2022, 17, .	0.9	2
710	Moringa oleifera Leaf Extract Protects C2C12 Myotubes against H2O2-Induced Oxidative Stress. Antioxidants, 2022, 11, 1435.	2.2	15
711	The preventive effect of Mori Ramulus on oxidative stress-induced cellular damage in skeletal L6 myoblasts through Nrf2-mediated activation of HO-1. Toxicological Research, 2023, 39, 25-36.	1.1	5
712	Preventive Effect of Cocoa Flavonoids via Suppression of Oxidative Stress-Induced Apoptosis in Auditory Senescent Cells. Antioxidants, 2022, 11, 1450.	2.2	8
713	The Hidden Notes of Redox Balance in Neurodegenerative Diseases. Antioxidants, 2022, 11, 1456.	2.2	4
714	Grape seed extract proanthocyanidin antagonizes aristolochic acid I-induced liver injury in rats by activating PI3K-AKT pathway. Toxicology Mechanisms and Methods, 2023, 33, 131-140.	1.3	4
715	Bacterioplankton Associated with Toxic Cyanobacteria Promote Pisum sativum (Pea) Growth and Nutritional Value through Positive Interactions. Microorganisms, 2022, 10, 1511.	1.6	0
716	Facet-Dependent Activity of CeO₂ Nanozymes Regulate the Fate of Human Neural Progenitor Cell via Redox Homeostasis. ACS Applied Materials & Interfaces, 2022, 14, 35423-35433.	4.0	11
717	Role of papillary thyroid carcinoma patients with Hashimoto thyroiditis: evaluation of oxidative stress and inflammatory markers. Clinical and Translational Oncology, 0, , .	1.2	2
718	Lactoferrin Prevents Chronic Alcoholic Injury by Regulating Redox Balance and Lipid Metabolism in Female C57BL/6J Mice. Antioxidants, 2022, 11, 1508.	2.2	2
719	Specific and combined effects of dietary ethanol and arginine on Drosophila melanogaster. Drug and Chemical Toxicology, 0, , 1-11.	1.2	0
720	Effect of monosultap on notochord development in zebrafish (Danio rerio) embryos. Toxicology, 2022, 477, 153276.	2.0	2
721	Chlorpyrifos induces apoptosis and necroptosis via the activation of CYP450s pathway mediated by nuclear receptors in LMH cells. Environmental Science and Pollution Research, 0, , .	2.7	0
722	Redox-based Disruption of Cellular Hormesis and Promotion of Degenerative Pathways: Perspectives on Aging Processes. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2022, 77, 2195-2206.	1.7	1
723	The Effect of Î²-Carotene, Tocopherols and Ascorbic Acid as Anti-Oxidant Molecules on Human and Animal In Vitro/In Vivo Studies: A Review of Research Design and Analytical Techniques Used. Biomolecules, 2022, 12, 1087.	1.8	20
724	Protosappanin-B suppresses human melanoma cancer cell growth through impeding cell survival, inflammation and proliferative signaling pathways. Process Biochemistry, 2022, 122, 78-85.	1.8	6
725	The recombinant subunit vaccine encapsulated by alginateâ€chitosan microsphere enhances the immune effect against Micropterus salmoides rhabdovirus. Journal of Fish Diseases, 2022, 45, 1757-1765.	0.9	9
726	Recent advances in enzyme-related biomaterials for arthritis treatment. Frontiers in Chemistry, 0, 10, .	1.8	4

#	Article	IF	Citations
727	The potential of gas plasma technology for targeting breast cancer. Clinical and Translational Medicine, 2022, 12, .	1.7	9
729	In Vitro and In Vivo Anti-Inflammatory Effects of TEES-10Â®, a Mixture of Ethanol Extracts of Ligularia stenocephala Matsum. & Koidz. and Secale cereale L. Sprout, on Gingivitis and Periodontitis. Dentistry Journal, 2022, 10, 143.	0.9	0
730	Potential role of oxidative stress in the pathogenesis of diabetic bladder dysfunction. Nature Reviews Urology, 2022, 19, 581-596.	1.9	13
731	Suppression of Chronic Unpredictable Stress-Persuaded Increased Monoamine Oxidase Activity by Taurine Promotes Significant Neuroprotection in Zebrafish Brain. Neurochemical Research, 2023, 48, 82-95.	1.6	1
732	Over-Expression of an R2R3 MYB Gene, MdMYB108L, Enhances Tolerance to Salt Stress in Transgenic Plants. International Journal of Molecular Sciences, 2022, 23, 9428.	1.8	9
733	Iron(III)â€“Quercetin Complexesâ€™ Safety for MRI Cell Tracking in Cell Therapy Applications: Cytotoxic and Genotoxic Assessment. Nanomaterials, 2022, 12, 2776.	1.9	1
734	Advancements in redox-sensitive micelles as nanotheranostics: A new horizon in cancer management. Journal of Controlled Release, 2022, 349, 1009-1030.	4.8	22
735	Influence of cadmium and microplastics on physiological responses, ultrastructure and rhizosphere microbial community of duckweed. Ecotoxicology and Environmental Safety, 2022, 243, 114011.	2.9	18
736	Engineering microbial cell viability for enhancing chemical production by second codon engineering. Metabolic Engineering, 2022, 73, 235-246.	3.6	3
737	Identification and antioxidant activity of natural functional microstructures produced with various neutral chemicals and bovine serum albumin. Food Bioscience, 2022, 49, 101969.	2.0	0
738	Fluroxypyr-1-methylheptyl ester induced ROS production and mitochondrial apoptosis through the MAPK signaling cascade in porcine trophectoderm and uterine luminal epithelial cells. Pesticide Biochemistry and Physiology, 2022, 187, 105196.	1.6	4
739	Oxidized Resveratrol Metabolites as Potent Antioxidants and Xanthine Oxidase Inhibitors. Antioxidants, 2022, 11, 1832.	2.2	6
741	Segregation of Î±- and Î²-Globin Gene Cluster in Vertebrate Evolution: Chance or Necessity?. Biochemistry (Moscow), 2022, 87, 1035-1049.	0.7	1
742	AN INITIAL STUDY OF IMPERATA CYLINDRICA LEAVES POTENTIAL AS HERBAL MEDICINAL INGREDIENTS. International Journal of Current Pharmaceutical Research, 0, , 40-47.	0.2	0
743	Protein Kinase N2 Reduces Hydrogen Peroxide-inducedDamage and Apoptosis in PC12 Cells by AntiOxidative Stress and Activation of the mTOR Pathway. Evidence-based Complementary and Alternative Medicine, 2022, 2022, 1-8.	0.5	0
744	Effects of hybrid Broussonetia papyrifera silage on growth performance, visceral organs, blood biochemical indices, antioxidant indices, and carcass traits in dairy goats. Animal Feed Science and Technology, 2022, 292, 115435.	1.1	6
745	How can â€œmy shoesâ€• affect the amphibian health? A study of the toxicity of microplastics from shoe sole (Polyvinyl chloride acetate) on Physalaemus cuvieri tadpoles (Anura, Leptodactylidae). Journal of Hazardous Materials, 2022, 440, 129847.	6.5	4
746	Dual-site mitochondria-targeted fluorescent probe for simultaneous distinguishing detection of hypochlorite and SO2 derivatives in real water samples and bioimaging. Dyes and Pigments, 2022, 207, 110706.	2.0	7

#	Article	IF	Citations
747	Evaluation of titanium and silicon role in mitigation of fungicides toxicity in wheat expressed at the level of biochemical and antioxidant profile. Chemosphere, 2022, 308, 136284.	4.2	7
748	Far from being a simple question: The complexity between in vitro and in vivo responses from nutrients and bioactive compounds with antioxidant potential. Food Chemistry, 2023, 402, 134351.	4.2	19
749	Oxidative stress, ceruloplasmin and neopterin biomarkers in dromedary camels with clinical endometritis. Animal Reproduction, 2022, 19, .	0.4	5
750	Therapeutic Implications of Piperlongumine. , 2022, , 525-546.		0
751	Targeting the Antioxidant Enzymes for the Treatment of Reactive Oxygen Species (ROS)-Induced Cancer. , 2022, , 3857-3876.		0
752	Targeting Mitochondria as a Novel Disease-Modifying Therapeutic Strategy in Cancer. , 2022, , 3563-3587.		0
753	Clinical Approaches in Targeting ROS-Induced Cancer. , 2022, , 2599-2614.		0
754	Therapeutic Implication of Oxidative Stress Regulators in Drug-Resistant Cancers. , 2022, , 3477-3496.		0
755	Metabolic Oxidative Stress. , 2022, , 3363-3382.		0
756	Peroxiredoxin 5 protects HepG2 cells from ethyl Î²-carboline-3-carboxylate-induced cell death via ROS-dependent MAPK signalling pathways. Journal of Cancer, 2022, 13, 3258-3267.	1.2	1
757	Photodynamic Oxidative Stress Targets Cancer as Well as Cancer Stem Cells. , 2022, , 2315-2333.		0
758	Biochemical markers of the severity and emergence of non-smooth progression of pseudotuberculosis in children. Kazan Medical Journal, 2022, 103, 211-220.	0.1	0
759	PECULIARITIES OF THE GROWTH OF Artemisia tilesii Ledeb. â€œHAIRYâ€•ROOTS WITH DIFFERENT FOREIGN GENES. Biotechnologia Acta, 2022, 15, 13-22.	0.3	0
760	INFLUENCE OF FIBRIN D AND DD FRAGMENTS ON FIBRINOGEN AND FIBRINOGEN FRAGMENT X POLYMERIZATION INITIATED BY THROMBIN OR ANCISTRON. Biotechnologia Acta, 2022, 15, 20-28.	0.3	0
761	Kunling Wan improves oocyte quality by regulating the PKC/Keap1/Nrf2 pathway to inhibit oxidative damage caused by repeated controlled ovarian hyperstimulation. Journal of Ethnopharmacology, 2023, 301, 115777.	2.0	2
762	Methamphetamine signals transcription of IL1Î² and TNFÎ± in a reactive oxygen species-dependent manner and interacts with HIV-1 Tat to decrease antioxidant defense mechanisms. Frontiers in Cellular Neuroscience, 0, 16, .	1.8	1
763	Antioxidant Baccharis trimera Leaf Extract Suppresses Lipid Accumulation in C. elegans Dependent on Transcription Factor NHR-49. Antioxidants, 2022, 11, 1913.	2.2	1
764	Influence of Nitrogen Fertilizer on the Antioxidative Potential of Basil Varieties (Ocimum basilicum) Tj ETQq1 1 0.784314 rgBT /Overlo	1.7	2

#	Article	IF	Citations
765	Harpagophytum procumbens Inhibits Iron Overload-Induced Oxidative Stress through Activation of Nrf2 Signaling in a Rat Model of Lumbar Spinal Stenosis. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-18.	1.9	4
766	Prdx5 regulates DNA damage response through autophagy-dependent Sirt2-p53 axis. Human Molecular Genetics, 2023, 32, 567-579.	1.4	2
767	Tert-butylhydroquinone Mitigates Renal Dysfunction in Pregnant Diabetic Rats via Attenuation of Oxidative Stress and Modulation of the iNOs/ NFkB/TNF Alpha Signalling Pathway. Endocrine, Metabolic and Immune Disorders - Drug Targets, 2023, 23, 633-646.	0.6	0
768	Controversial Role of Folic Acid on Diabetic Auditory Neuropathy. ACS Pharmacology and Translational Science, 2022, 5, 985-992.	2.5	0
769	Transcriptome and Metabolome Analysis Reveals the Importance of Amino-Acid Metabolism in Spodoptera Frugiperda Exposed to Spinetoram. Insects, 2022, 13, 852.	1.0	4
770	Dextran sodium sulfate alters antioxidant status in the gut affecting the survival of Drosophila melanogaster. 3 Biotech, 2022, 12, .	1.1	2
771	Relationship between Oxidative Stress and Endometritis: Exploiting Knowledge Gained in Mares and Cows. Animals, 2022, 12, 2403.	1.0	4
772	Rational Construction of a Mitochondria-Targeted Reversible Fluorescent Probe with Intramolecular FRET for Ratiometric Monitoring Sulfur Dioxide and Formaldehyde. Biosensors, 2022, 12, 715.	2.3	4
773	Effects of Chitosan-Coated Microdiet on Dietary Physical Properties, Growth Performance, Digestive Enzyme Activities, Antioxidant Capacity, and Inflammation Response of Large Yellow Croaker (Larimichthys crocea) Larvae. Aquaculture Nutrition, 2022, 2022, 1-11.	1.1	8
774	Hepatic Gene Expression Profiling of American Kestrels (Falco sparverius) Exposed In Ovo to Three Alternative Brominated Flame Retardants. Biology, 2022, 11, 1341.	1.3	0
775	Euscaphic acid relieves fatigue by enhancing anti-oxidative and anti-inflammatory effects. Immunopharmacology and Immunotoxicology, 2023, 45, 114-121.	1.1	2
776	Hepatoprotective Effects of a Natural Flavanol 3,3â€²-Diindolylmethane against CCl4-Induced Chronic Liver Injury in Mice and TGFÎ²1-Induced EMT in Mouse Hepatocytes via Activation of Nrf2 Cascade. International Journal of Molecular Sciences, 2022, 23, 11407.	1.8	6
777	Impaired energy metabolism and altered functional activity of alveolar type II epithelial cells following exposure of rats to nitrogen mustard. Toxicology and Applied Pharmacology, 2022, 456, 116257.	1.3	2
779	Effect of Ganoderma lucidum polysaccharides as immunostimulants against Vibrio harveyi in pearl gentian grouper (â™€Epinephelus fuscoguttatus Ã— â™‚Epinephelus lanceolatus). Frontiers in Marine Science, 0, 9, .	1.2	1
780	Effects of bioactive substances isolated from Siberian medicinal plants on the lifespan of Caenorhabditis elegans. Foods and Raw Materials, 2022, , 340-352.	0.8	10
781	The Impact of Oxidative Stress and AKT Pathway on Cancer Cell Functions and Its Application to Natural Products. Antioxidants, 2022, 11, 1845.	2.2	16
782	The role of ferroptosis in prostate cancer: a novel therapeutic strategy. Prostate Cancer and Prostatic Diseases, 2023, 26, 25-29.	2.0	5
783	Methanol Extract of Clavularia inflata Exerts Apoptosis and DNA Damage to Oral Cancer Cells. Antioxidants, 2022, 11, 1777.	2.2	2

#	Article	IF	Citations
784	Green Synthesis of Silver Nanoparticles from Diospyros villosa Extracts and Evaluation of Antioxidant, Antimicrobial and Anti-Quorum Sensing Potential. Plants, 2022, 11, 2514.	1.6	5
785	Modulatory Effect of Cassia alata Leaf Extract on Isoproterenol-Induced Myocardial Inflammation and Fibrosis in Male Albino Wistar Rats. International Journal of Pharmacology, 2022, 18, 1456-1465.	0.1	0
786	Antioxidant-based neuroprotective effect of dimethylsulfoxide against induced traumatic brain injury in a rats model. Frontiers in Pharmacology, 0, 13, .	1.6	3
787	Glutathione deficiency in the pathogenesis of SARS-CoV-2 infection and its effects upon the host immune response in severe COVID-19 disease. Frontiers in Microbiology, 0, 13, .	1.5	9
788	Combination treatment with cyclosporin A and arsenic trioxide induce synergistic cell death via non-apoptotic pathway in uterine cervical cancer cells. Chemico-Biological Interactions, 2022, 368, 110177.	1.7	5
789	Multifunctional Polymeric Nanocarriers for Targeted Brain Delivery. , 2022, , 259-305.		0
790	In vivo Antidiabetic properties of Etlingera elatior Leaf Extract in Alloxan-Induced Diabetic Rats. Research Journal of Pharmacy and Technology, 2022, , 3879-3886.	0.2	1
791	Ginsenoside Rc Modulates SIRT6-NRF2 Interaction to Alleviate Alcoholic Liver Disease. Journal of Agricultural and Food Chemistry, 2022, 70, 14220-14234.	2.4	18
792	Molecular Characterization and Drought Resistance of GmNAC3 Transcription Factor in Glycine max (L.) Merr.. International Journal of Molecular Sciences, 2022, 23, 12378.	1.8	2
793	Research Progress of Antioxidant Nanomaterials for Acute Pancreatitis. Molecules, 2022, 27, 7238.	1.7	1
794	Flammulina velutipes stem regulates oxidative damage and synthesis of yolk precursors in aging laying hens by regulating the liverâ€“bloodâ€“ovary axis. Poultry Science, 2023, 102, 102261.	1.5	7
795	Mitophagy and reactive oxygen species interplay in Parkinsonâ€™s disease. Npj Parkinson's Disease, 2022, 8, .	2.5	14
796	Rhizophora mucronata Lam. (Mangrove) Bark Extract Reduces Ethanol-Induced Liver Cell Death and Oxidative Stress in Swiss Albino Mice: In Vivo and In Silico Studies. Metabolites, 2022, 12, 1021.	1.3	4
797	Gastric cancer risk is reduced by a predominance of antioxidant factors in the oxidative balance: a hospital-based case-control study in Korea. Epidemiology and Health, 0, 44, e2022089.	0.8	4
798	Transcriptomic analysis of ncRNA and mRNA interactions during leaf senescence in tomato. International Journal of Biological Macromolecules, 2022, 222, 2556-2570.	3.6	5
799	Preparative isolation of antioxidative furanocoumarins from Dracocephalum heterophyllum and their potential action target. Journal of Separation Science, 2022, 45, 4375-4387.	1.3	2
800	Effects of Vitamin E Supplementation on Antioxidant, Inflammatory Biomarker, and Cell Viability of Peripheral Blood Mononuclear Cells from Japanese Black Calves with or without Lipopolysaccharide Stimulation. Journal of Nutritional Science and Vitaminology, 2022, 68, 470-474.	0.2	2
801	Exogenous Antioxidants in Remyelination and Skeletal Muscle Recovery. Biomedicines, 2022, 10, 2557.	1.4	5

#	Article	IF	Citations
802	ROS: Basic Concepts, Sources, Cellular Signaling, and its Implications in Aging Pathways. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-23.	1.9	29
803	NOX as a Therapeutic Target in Liver Disease. Antioxidants, 2022, 11, 2038.	2.2	16
804	Synthesis and Biological Evaluation of PEGylated MWO4 Nanoparticles as Sonodynamic AID Inhibitors in Treating Diffuse Large B-Cell Lymphoma. Molecules, 2022, 27, 7143.	1.7	0
805	Crassocephalum rubens (Juss Ex Jacq) leaf diets ameliorate systemic oxidative stress and tissue damage in a Wistar rat model. Journal of Food Biochemistry, 0, , .	1.2	0
806	The novel anti-colitic effect of Î²-adrenergic receptors via modulation of PS1/BACE-1/AÎ² axis and NOTCH signaling in an ulcerative colitis model. Frontiers in Pharmacology, 0, 13, .	1.6	5
807	Modulation of reactive oxygen species in cancers: recent advances. Free Radical Research, 2022, 56, 447-470.	1.5	2
808	Double functionalized haemocompatible silver nanoparticles control cell inflammatory homeostasis. PLoS ONE, 2022, 17, e0276296.	1.1	9
809	Pithecellobium dulce inhibits pulmonary metastasis induced by <scp>B16F10</scp> melanoma cells in <scp>C57BL</scp> /6 via regulating <scp>EGFR</scp> / <scp>STAT</scp> / <scp>NFÎºB</scp> / <scp>AKT</scp> signaling axis. Journal of Food Biochemistry, 2022, 46, .	1.2	4
810	A Review of Bioactive Compounds and Antioxidant Activity Properties of Piper Species. Molecules, 2022, 27, 6774.	1.7	8
811	RONS and Oxidative Stress: An Overview of Basic Concepts. Oxygen, 2022, 2, 437-478.	1.6	62
812	Wound Healing versus Metastasis: Role of Oxidative Stress. Biomedicines, 2022, 10, 2784.	1.4	4
813	Ferroptosis and its role in skeletal muscle diseases. Frontiers in Molecular Biosciences, 0, 9, .	1.6	13
814	Unveiling a New Selenocyanate as a Multitarget Candidate with Anticancer, Antileishmanial and Antibacterial Potential. Molecules, 2022, 27, 7477.	1.7	7
815	A deep redox proteome profiling workflow and its application to skeletal muscle of a Duchenne Muscular Dystrophy model. Free Radical Biology and Medicine, 2022, 193, 373-384.	1.3	8
816	Transcriptome analysis of the immunomodulatory effects of Salvia miltiorrhiza polysaccharide on hemocyte immune response in Procambarus clarkii. Fish and Shellfish Immunology, 2022, 131, 697-706.	1.6	2
817	Short-term exposure to norethisterone affected swimming behavior and antioxidant enzyme activity of medaka larvae, and led to masculinization in the adult population. Chemosphere, 2023, 310, 136844.	4.2	5
818	Immune and intestinal microbiota responses to heat stress in Chinese mitten crab (Eriocheir sinensis). Aquaculture, 2023, 563, 738965.	1.7	5
819	Biopharmaceutical, preclinical pharmacokinetic and pharmaco-dynamic investigations of an orally administered novel 3-nbutylphthalide prodrug for ischemic stroke treatment. European Journal of Pharmaceutical Sciences, 2023, 180, 106308.	1.9	0

#	Article	IF	Citations
820	PRODUCTION OF REACTIVE OXYGEN SPECIES UNDER THE ACTION OF UV-B RADIATION ON YEAST CELLS. , 2022, 7, 199-203.		0
821	Atomoxetine Decreases Mitochondrial Biogenesis, Fission and Fusion In Human Neuron-like Cells But Does Not Alter Antioxidant Defences. Cell Biochemistry and Biophysics, 0, , .	0.9	0
822	Oxidative stress markers-driven prognostic model to predict post-discharge mortality in heart failure with reduced ejection fraction. Frontiers in Cardiovascular Medicine, 0, 9, .	1.1	2
823	ROS scavenging of SOD/CAT mimics probed by EPR and reduction of lipid peroxidation in S. cerevisiae and mouse liver, under severe hydroxyl radical stress condition. Journal of Inorganic Biochemistry, 2023, 239, 112062.	1.5	7
824	Physicochemical properties of nanosized biochar regulated by heat treatment temperature dictates algal responses: From the perspective of fatty acid metabolism. Journal of Hazardous Materials, 2023, 444, 130342.	6.5	5
825	Holarrhena pubescens Wall. ex G. Don Extracts Inhibit LPS-Irritated Oxidative Stress in Dendritic Cells. Applied Sciences (Switzerland), 2022, 12, 11343.	1.3	0
826	Hyperglycemia enhances the generation of ROS and RNS that impair antioxidant power and cause oxidative damage in human erythrocytes. Biochemistry and Cell Biology, 2023, 101, 64-76.	0.9	1
827	Reactive Oxygen Species Enlightened Therapeutic Strategy for Oral and Maxillofacial Diseasesâ€”Art of Destruction and Reconstruction. Biomedicines, 2022, 10, 2905.	1.4	5
828	Ecotoxicological perspectives of microplastic pollution in amphibians. Journal of Toxicology and Environmental Health - Part B: Critical Reviews, 2022, 25, 405-421.	2.9	27
829	Proteomic, biochemical, histopathological, and elevated plus maze analysis reveals the gut damaging role of ketoprofen with Yersinia enterocolitica and altered behavior in Wistar rats. Toxicology and Applied Pharmacology, 2022, , 116315.	1.3	0
830	Amelioration of ammonia-induced intestinal oxidative stress by dietary Clostridium butyricum in giant freshwater prawn (Macrobrachium rosenbergii). Fish and Shellfish Immunology, 2022, 131, 1173-1181.	1.6	5
831	<scp>2D MXenes</scp> for controlled releases of therapeutic proteins. Journal of Biomedical Materials Research - Part A, 2023, 111, 514-526.	2.1	3
832	Melatonin as an Antioxidant Agent in Stroke: An Updated Review. , 2022, 13, 1823.		6
833	Role of oxidative stress in modulating <scp>CHO</scp> cell culture performance: Impact on titer and quality attributes of a monoclonal antibody therapeutic. Journal of Chemical Technology and Biotechnology, 2023, 98, 651-660.	1.6	1
834	Defining the S-Glutathionylation Proteome by Biochemical and Mass Spectrometric Approaches. Antioxidants, 2022, 11, 2272.	2.2	4
835	Anti-Diabetic and Cytotoxic Evaluation of Phlomis stewartii Plant Phytochemicals on Cigarette Smoke Inhalation and Alloxan-Induced Diabetes in Wistar Rats. Metabolites, 2022, 12, 1133.	1.3	3
836	Real-time simultaneous imaging of temporal alterations in cytoplasmic and mitochondrial redox in single cells during cell division and cell death. Free Radical Biology and Medicine, 2023, 194, 33-41.	1.3	2
837	Cucurbitacin B: A review of its pharmacology, toxicity, and pharmacokinetics. Pharmacological Research, 2023, 187, 106587.	3.1	25

#	Article	IF	Citations
838	H-2 increases oxidative stress resistance through DAF-16/FOXO pathways in Caenorhabditis elegans: A new approach to vitiligo treatment. Biomedicine and Pharmacotherapy, 2023, 157, 113924.	2.5	3
839	The effects of sodium nitrate on mitochondria. , 2023, , 707-721.		0
840	The contribution of an imbalanced redox signalling to neurological and neurodegenerative conditions. Free Radical Biology and Medicine, 2023, 194, 71-83.	1.3	14
841	Design and characterization of a heterobifunctional degrader of KEAP1. Redox Biology, 2023, 59, 102552.	3.9	13
842	Antioxidant supplements relieve insulin resistance but do not improve lipid metabolism in women with polycystic ovary syndrome: a meta-analysis of randomized clinical trials. Gynecological Endocrinology, 2022, 38, 1047-1059.	0.7	2
843	New Insights into the Gut Microbiota in Neurodegenerative Diseases from the Perspective of Redox Homeostasis. Antioxidants, 2022, 11, 2287.	2.2	8
844	The use of Kepok Banana Stem (Musa paradisiaca) in diabetes rats does not reduce Malondialdehyde (MDA) levels. Bali Medical Journal, 2022, 11, 1636-1639.	0.1	0
845	Plant Flavonoids on Oxidative Stress-Mediated Kidney Inflammation. Biology, 2022, 11, 1717.	1.3	7
846	Graphene Oxide Enhances Biogenesis and Release of Exosomes in Human Ovarian Cancer Cells. International Journal of Nanomedicine, 0, Volume 17, 5697-5731.	3.3	6
847	HJ11 decoction restrains development of myocardial ischemia-reperfusion injury in rats by suppressing ACSL4-mediated ferroptosis. Frontiers in Pharmacology, 0, 13, .	1.6	5
848	Combined effect of succinic acid, riboxin, nicotinamide, riboflavin for the treatment of chronic brain ischaemia. Meditsinskiy Sovet, 2022, , 20-26.	0.1	0
849	Alpha Lipoic Acid and Monoisoamyl-DMSA Combined Treatment Ameliorates Copper-Induced Neurobehavioral Deficits, Oxidative Stress, and Inflammation. Toxics, 2022, 10, 718.	1.6	1
850	WZ35 inhibits gastric cancer cell metastasis by depleting glutathione to promote cellular metabolic remodeling. Cancer Letters, 2023, 555, 216044.	3.2	7
852	The progress in titanium alloys used as biomedical implants: From the view of reactive oxygen species. Frontiers in Bioengineering and Biotechnology, 0, 10, .	2.0	10
853	Cellular Uptake, Transport, and Organelle Response After Exposure to Microplastics and Nanoplastics: Current Knowledge and Perspectives for Environmental and Health Risks. Reviews of Environmental Contamination and Toxicology, 2022, 260, .	0.7	3
854	Marine Sponge Aaptos suberitoides Extract Improves Antiproliferation and Apoptosis of Breast Cancer Cells without Cytotoxicity to Normal Cells In Vitro. Pharmaceuticals, 2022, 15, 1575.	1.7	3
855	Mitochondrial Dysfunction Involved in the Cytotoxicity of Tramadol in Human Endometrial Carcinoma Cells. International Journal of Molecular Sciences, 2023, 24, 99.	1.8	5
856	Alpha-Lipoic Acid as an Antioxidant Strategy for Managing Neuropathic Pain. Antioxidants, 2022, 11, 2420.	2.2	6

#	Article	IF	Citations
857	Photosynthetic Cyanobacteria can Clearly Induce Efficient Muscle Tissue Regeneration of Bioprinted Cellâ€Constructs. Advanced Functional Materials, 2023, 33, .	7.8	6
858	In vitro and in vivo anti-tumor activity of Antrodia salmonea against twist-overexpressing HNSCC cells: Induction of ROS-mediated autophagic and apoptotic cell death. Food and Chemical Toxicology, 2023, 172, 113564.	1.8	5
859	Transcriptome expression profile of compound-K-enriched red ginseng extract (DDK-401) in Korean volunteers and its apoptotic properties. Frontiers in Pharmacology, 0, 13, .	1.6	1
860	Ovarian inflammation mediated by TLR-4 increased transcripts of maternal effect genes and decreased embryo development. Biology of Reproduction, 0, , .	1.2	1
861	Priming of adipose-derived stem cells with curcumin prior to cryopreservation preserves their functional potency: Towards an â€˜Off-the-shelfâ€™ therapy for burns. Cryobiology, 2023, 110, 69-78.	0.3	2
862	Fresh-Cut Eruca Sativa Treated with Plasma Activated Water (PAW): Evaluation of Antioxidant Capacity, Polyphenolic Profile and Redox Status in Caco2 Cells. Nutrients, 2022, 14, 5337.	1.7	2
863	Phylogenomic analysis of cytochrome P450 multigene family and its differential expression analysis in pepper (Capsicum annuum L.). Frontiers in Plant Science, 0, 13, .	1.7	2
864	Effects of Dietary Supplementation with Vitamin A on Antioxidant and Intestinal Barrier Function of Broilers Co-Infected with Coccidia and Clostridium perfringens. Animals, 2022, 12, 3431.	1.0	3
865	Robust intervention for oxidative stress-induced injury in periodontitis via controllably released nanoparticles that regulate the ROS-PINK1-Parkin pathway. Frontiers in Bioengineering and Biotechnology, 0, 10, .	2.0	7
866	Paradigm and Framework of WUS-CLV Feedback Loop in Stem Cell Niche for SAM Maintenance and Cell Identity Transition. Agronomy, 2022, 12, 3132.	1.3	1
867	The Road to Malignant Cell Transformation after Particulate Matter Exposure: From Oxidative Stress to Genotoxicity. International Journal of Molecular Sciences, 2023, 24, 1782.	1.8	5
868	Epigallocatechin-3-gallate chitosan nanoparticles in an extender improve the antioxidant capacity and post-thawed quality of Kacang goat semen. F1000Research, 0, 12, 32.	0.8	0
869	Plant-sourced Antioxidants in Human Health: A State-of-Art Review. Current Nutrition and Food Science, 2023, 19, 817-830.	0.3	2
870	EFFECT OF RADIATION ON AGING PROCESSES AND TELOMERE LENGTH. Problemy Radiatsiinoi Medytsyny Ta Radiobiolohii, 2022, 27, 107-119.	0.5	1
871	Hybrid Systems of Nanofibers and Polymeric Nanoparticles for Biological Application and Delivery Systems. Micromachines, 2023, 14, 208.	1.4	8
872	A Mitochondrion-Targeting Protein (B2) Primes ROS/Nrf2-Mediated Stress Signals, Triggering Apoptosis and Necroptosis in Lung Cancer. Biomedicines, 2023, 11, 186.	1.4	1
873	Oxidative Stress and Immune Response in Melanoma: Ion Channels as Targets of Therapy. International Journal of Molecular Sciences, 2023, 24, 887.	1.8	14
874	Effects of Artemisia ordosica polysaccharide on growth performance and antioxidant capacity in broilers. Journal of Applied Animal Research, 2023, 51, 92-101.	0.4	2

#	Article	IF	Citations
875	Bergamottin reduces liver damage by suppressing inflammation, endoplasmic reticulum and oxidative stress in cafeteria diet-fed mice. Food Bioscience, 2023, 52, 102371.	2.0	1
876	Dietary phytogenic inclusion level affects production performance and expression of ovarian cytoprotective genes in laying hens. Poultry Science, 2023, 102, 102508.	1.5	3
877	Targeting the NRF2/KEAP1 pathway in cervical and endometrial cancers. European Journal of Pharmacology, 2023, 941, 175503.	1.7	34
878	Thiol disulfide homeostasis in psychiatric disorders: A comprehensive review. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2023, 123, 110719.	2.5	5
879	Why Do Dietary Flavonoids Have a Promising Effect as Enhancers of Anthracyclines? Hydroxyl Substituents, Bioavailability and Biological Activity. International Journal of Molecular Sciences, 2023, 24, 391.	1.8	5
880	Redox Regulation of Autophagy in Cancer: Mechanism, Prevention and Therapy. Life, 2023, 13, 98.	1.1	7
882	D-allose: molecular pathways and therapeutic capacity in cancer. Current Molecular Pharmacology, 2022, 16, .	0.7	2
883	Changes of oxidant-antioxidant parameters in small intestines from rabbits infected with E. intestinalis and E. magna. World Rabbit Science, 2022, 30, 287-293.	0.1	0
884	Musanga cecropioides Attenuates Chemical and Diabetes Induced Oxidative Stress in Experimental Animal Models. Journal of Scientific Research and Reports, 0, , 61-79.	0.2	0
885	Tetrandrine Inhibits Cancer Stem Cell Characteristics and Epithelial to Mesenchymal Transition in Triple-Negative Breast Cancer via SOD1/ROS Signaling Pathway. The American Journal of Chinese Medicine, 2023, 51, 425-444.	1.5	4
886	The toxicity of nanoparticles and their interaction with cells: an in vitro metabolomic perspective. Nanoscale Advances, 2023, 5, 2674-2723.	2.2	19
887	Effect of Ethanol on Exosome Biogenesis: Possible Mechanisms and Therapeutic Implications. Biomolecules, 2023, 13, 222.	1.8	0
888	Effect of adenosine triphosphate on ribociclib-induced skin toxicity in rats. Cutaneous and Ocular Toxicology, 0, , 1-6.	0.5	1
889	Protective effect of vitamin E against plumbagin-induced liver injury and oxidative stress: biochemical, redox, and mitochondrial permeability changes. Comparative Clinical Pathology, 0, , .	0.3	0
890	Antioxidant, Anti-Inflammatory and Attenuating Intracellular Reactive Oxygen Species Activities of Nicotiana tabacum var. Virginia Leaf Extract Phytosomes and Shape Memory Gel Formulation. Gels, 2023, 9, 78.	2.1	16
891	Molecular docking and experimental validation of the effect of ergothioneine on heat shock protein-70 following endurance exercise by Arabian stallions. BMC Veterinary Research, 2023, 19, .	0.7	1
892	Peptides from Antarctic krill (Euphausia superba) ameliorate acute liver injury in mice induced by carbon tetrachloride via activating the Nrf2/HO-1 pathway. Food and Function, 0, , .	2.1	2
893	Impacts of microgravity on amino acid metabolism during spaceflight. Experimental Biology and Medicine, 2023, 248, 380-393.	1.1	1

#	Article	IF	Citations
894	The immunomodulatory role of withania somnifera (L.) dunal in inflammatory diseases. Frontiers in Pharmacology, 0, 14, .	1.6	5
895	Optimization of the C2 substituents on the 1,4-bis(arylsulfonamido)naphthalene-N,Nâ€²-diacetic acid scaffold for better inhibition of Keap1-Nrf2 protein-protein interaction. European Journal of Medicinal Chemistry, 2023, 252, 115302.	2.6	2
896	Phytochemical profiling of polyphenols and thyroid stimulatory activity of Ficus religiosa leaf extract in 6-propyl-thiouracil-induced hypothyroid rats. Journal of Ethnopharmacology, 2023, 313, 116479.	2.0	1
897	Ethanolic extract of Ocimum sanctum leaf modulates oxidative stress, cell cycle and apoptosis in head and neck cancer cell lines. Heliyon, 2023, 9, e15518.	1.4	0
898	Is vitamin C a booster of the effects of dietary nitrate on endothelial function? Physiologic rationale and implications for research. Nutrition, 2023, 109, 111995.	1.1	1
899	Degradable iron-rich mesoporous dopamine as a dual-glutathione depletion nanoplatform for photothermal-enhanced ferroptosis and chemodynamic therapy. Journal of Colloid and Interface Science, 2023, 639, 249-262.	5.0	17
900	Identification of the AccCDK7 and AccCDK9 genes and their involvement in the response to resist external stress in Apis cerana cerana. Environmental Toxicology and Pharmacology, 2023, 100, 104117.	2.0	1
901	Cellular Red-Ox system in health and disease: The latest update. Biomedicine and Pharmacotherapy, 2023, 162, 114606.	2.5	47
902	BODIPY-based fluorescent probe for cysteine detection and its applications in food analysis, test strips and biological imaging. Food Chemistry, 2023, 416, 135730.	4.2	23
904	Expression Patterns of Heat Shock Protein Genes and Antioxidase Genes in Apis cerana cerana (Hymenoptera: Apidae) under Heat Stress. Journal of Entomological Science, 2023, 58, 95-103.	0.2	0
905	Insights into strigolactone (GR24) mediated regulation of cadmium-induced changes and ROS metabolism in Artemisia annua. Journal of Hazardous Materials, 2023, 448, 130899.	6.5	12
906	RESEARCH OF INDICATORS OF OXIDATIVE STRESS IN THE KIDNEYS OF IMMATURE RATS WITH HYPERHOMOCYSTEINEMIA. Bulletin of Taras Shevchenko National University of Kyiv Series Biology, 2022, 91, 5-9.	0.1	1
907	Protein kinase A activation alleviates cataract formation via increased gap junction intercellular communication. IScience, 2023, 26, 106114.	1.9	6
908	Short-chain per- and polyfluoralkyl substances (PFAS) effects on oxidative stress biomarkers in human liver, kidney, muscle, and microglia cell lines. Environmental Research, 2023, 223, 115424.	3.7	16
909	Nanoporous Silica Nanoparticles Coloaded with Cisplatin Prodrug and <scp>l</scp>-Buthionine Sulfoximine for Cancer Therapy. ACS Applied Nano Materials, 2023, 6, 2569-2576.	2.4	1
910	Tragacanth Gum and Linseed Gum as Adhesives Improved the Survival, Digestive Function, Antioxidant Enzyme Activities, and Immunity in Large Yellow Croaker (Larimichthys crocea) Larvae. Aquaculture Research, 2023, 2023, 1-9.	0.9	0
911	Effects of N Ethyl Nâ€² nitrosourea in mice brain in time fashion. , 2022, 74, .		0
912	Effects of PPARÎ± against ethanol-induced oxidative stress in mouse gastric mucosa. World Chinese Journal of Digestology, 2023, 31, 113-120.	0.0	0

#	Article	IF	Citations
914	X-ray Activated Nanoplatforms for Deep Tissue Photodynamic Therapy. Nanomaterials, 2023, 13, 673.	1.9	5
915	Effects of glutamate oxaloacetate transaminase on reactive oxygen species in Ganoderma lucidum. Applied Microbiology and Biotechnology, 2023, 107, 1845-1861.	1.7	3
916	Recent Advances in Cellular Signaling Interplay between Redox Metabolism and Autophagy Modulation in Cancer: An Overview of Molecular Mechanisms and Therapeutic Interventions. Antioxidants, 2023, 12, 428.	2.2	6
917	Non-Esterified Fatty Acid-Induced Apoptosis in Bovine Granulosa Cells via ROS-Activated PI3K/AKT/FoxO1 Pathway. Antioxidants, 2023, 12, 434.	2.2	6
918	Melanin-like polydopamine nanoparticles mediating anti-inflammatory and rescuing synaptic loss for inflammatory depression therapy. Journal of Nanobiotechnology, 2023, 21, .	4.2	11
919	Antimicrobial Activity of an Fmoc-Plantaricin 149 Derivative Peptide against Multidrug-Resistant Bacteria. Antibiotics, 2023, 12, 391.	1.5	4
920	Ameliorative Impact of Silymarin on the Male Reproductive System: An Updated Systematic Review. Jorjani Biomedicine Journal, 2022, 10, 10-23.	0.1	1
921	Glutathione system enhancement for cardiac protection: pharmacological options against oxidative stress and ferroptosis. Cell Death and Disease, 2023, 14, .	2.7	32
922	Quercetin and Its Derivative Counteract Palmitate-Dependent Lipotoxicity by Inhibiting Oxidative Stress and Inflammation in Cardiomyocytes. International Journal of Environmental Research and Public Health, 2023, 20, 3492.	1.2	2
923	Curcumin Ameliorates Age-Induced Tight Junction Impaired in Porcine Sertoli Cells by Inactivating the NLRP3 Inflammasome through the AMPK/SIRT3/SOD2/mtROS Signaling Pathway. Oxidative Medicine and Cellular Longevity, 2023, 2023, 1-17.	1.9	3
924	Novel Antioxidant Peptides Identified from Arthrospira platensis Hydrolysates Prepared by a Marine Bacterium Pseudoalteromonas sp. JS4-1 Extracellular Protease. Marine Drugs, 2023, 21, 133.	2.2	2
925	Mesoporous Silica Nanoparticles Induce Intracellular Peroxidation Damage of Phytophthora infestans: A New Type of Green Fungicide for Late Blight Control. Environmental Science & Technology, 2023, 57, 3980-3989.	4.6	11
926	Role of NADPH Oxidase-Derived ROS-Mediated IL-6/STAT3 and MAPK/NF-Î¹B Signaling Pathways in Protective Effect of Corilagin against Acetaminophen-Induced Liver Injury in Mice. Biology, 2023, 12, 334.	1.3	3
927	Caenorhabditis elegans: An interesting host for aging-related studies. , 2023, , 255-276.		0
928	Biochar: An effective measure to strengthen phosphorus solubilizing microorganisms for remediation of heavy metal pollution in soil. Frontiers in Bioengineering and Biotechnology, 0, 11, .	2.0	9
929	Chalcone Derivative Induces Flagellar Disruption and Autophagic Phenotype in Phytomonas serpens In Vitro. Pathogens, 2023, 12, 423.	1.2	1
930	Radical Scavenging-Linked Anti-Obesity Effect of Standardized Ecklonia stolonifera Extract on 3T3-L1 Preadipocytes and High-Fat Diet-Fed ICR Mice. Journal of Medicinal Food, 2023, 26, 232-243.	0.8	1
931	In vitro and in vivo anti-tumor activity of Coenzyme Q0 against TWIST1-overexpressing HNSCC cells: ROS-mediated inhibition of EMT/metastasis and autophagy/apoptosis induction. Toxicology and Applied Pharmacology, 2023, 465, 116453.	1.3	4

#	Article	IF	Citations
932	Effects of acai supplementation (Euterpe precatoria Mart) on muscle recovery markers after jump protocol. Research in Sports Medicine, 0, , 1-17.	0.7	0
933	The Potential Modulatory Effects of Exercise on Skeletal Muscle Redox Status in Chronic Kidney Disease. International Journal of Molecular Sciences, 2023, 24, 6017.	1.8	3
934	Optical Characteristics of Silver Nanoparticles Obtained Using Artemisia tilesii Ledeb. "Hairy" Root Extracts With High Flavonoid Content. Innovative Biosystems and Bioengineering, 2022, 6, 169-177.	0.2	0
935	The Effect of 75 Grams of Glucose during OGTT on Plasma Markers of Lipid and Lipoprotein Peroxidation, Oxidized LDL and Thiobarbituric Acid Reactive Substances, in People with Increased Body Mass. Metabolites, 2023, 13, 483.	1.3	0
936	Epigallocatechin-3-gallate chitosan nanoparticles in an extender improve the antioxidant capacity and post-thawed quality of Kacang goat semen. F1000Research, 0, 12, 32.	0.8	0
937	The Impact of ROS and NGF in the Gliomagenesis and their Emerging Implications in the Glioma Treatment. CNS and Neurological Disorders - Drug Targets, 2024, 23, 449-462.	0.8	1
938	Corchorus olitorius extract exhibit anti-hyperglycemic and anti-inflammatory properties in rodent models of obesity and diabetes mellitus. Frontiers in Nutrition, 0, 10, .	1.6	5
939	Use of the single cell gel electrophoresis assay for the detection of DNA-protective dietary factors: Results of human intervention studies. Mutation Research - Reviews in Mutation Research, 2023, 791, 108458.	2.4	3
940	Self-recovery in diabetic Sprague Dawley rats induced by intraperitoneal alloxan and streptozotocin. Heliyon, 2023, 9, e15533.	1.4	0
941	Connecting Dots between Mitochondrial Dysfunction and Depression. Biomolecules, 2023, 13, 695.	1.8	7
942	Effects of rare earth as feed additive on production performance, egg quality, serum biochemical parameters, antioxidant capacity, intestinal morphology, and gut microbiota in late-phase laying hens. Frontiers in Sustainable Food Systems, 0, 7, .	1.8	2
943	Antioxidant and Prooxidant Nanozymes: From Cellular Redox Regulation to Nextâ€Generation Therapeutics. Angewandte Chemie - International Edition, 2023, 62, .	7.2	16
944	Antioxidant and Prooxidant Nanozymes: From Cellular Redox Regulation to Nextâ€Generation Therapeutics. Angewandte Chemie, 2023, 135, .	1.6	4
971	Antioxidants and Antiaging. , 2023, , 363-382.		0
996	TXNIP: A key protein in the cellular stress response pathway and a potential therapeutic target. Experimental and Molecular Medicine, 2023, 55, 1348-1356.	3.2	10
1009	Oxidants and Antioxidants Interplay in the Modulation of Inflammation and Cardiovascular Disease. , 2023, , 112-127.		0
1011	Prevention of Reperfusion Injury in Acute Myocardial Infarction: A â€œflashbackâ€•Journey of Novel Strategies Based on the Potential Therapeutic Role of Antioxidants. , 2023, , 128-147.		0
1048	Reactive X (where X = O, N, S, C, Cl, Br, and I) species nanomedicine. Chemical Society Reviews, 2023, 52, 6957-7035.	18.7	3

#	Article	IF	Citations
1058	Role of Endogenous and Dietary Antioxidants in Brain Disorders. Food Bioactive Ingredients, 2023, , 171-214.	0.3	0
1061	Endoplasmic reticulum stress: a vital process and potential therapeutic target in chronic obstructive pulmonary disease. Inflammation Research, 2023, 72, 1761-1772.	1.6	0
1063	Modulation of cancer cell proliferation by interfering with metabolic ROS production. , 2023, , 131-143.		0
1068	Chromenes and Nutraceuticals. , 2023, , 129-150.		0
1082	Role of Antioxidants, and Lifestyle in Managing Brain Disorders Oxidative Stress Biomarkers and Antioxidant Treatments in Brain Diseases. Food Bioactive Ingredients, 2023, , 249-267.	0.3	0
1089	Edible crop production on polluted lands for biofortification. , 2024, , 85-130.		0
1098	Cerebrovascular Function in Aging. Masterclass in Neuroendocrinology, 2023, , 137-171.	0.1	1
1136	Defensive Strategies of ROS in Plantâ€“Pathogen Interactions. , 2023, , 163-183.		0
1160	The role of oral antioxidants in the improvement of sperm parameters in infertile men. World Journal of Urology, 2024, 42, .	1.2	0
1191	Medicinal Herbs and Probiotics: Antioxidant Activities for Damaged DNA Protection and Cytotoxicity toward Cancer Treatment. , 0, , .		0
1193	Mechanism of Nanoparticle Toxicity. , 2024, , 103-120.		0