

M M Ommati

List of Publications by Year in Descending Order

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

90
papers

1,655
citations

25
h-index

35
g-index

94
ext. papers

2,141
ext. citations

4
avg, IF

5.02
L-index

#	Paper	IF	Citations
90	The crucial role of oxidative stress in non-alcoholic fatty liver disease-induced male reproductive toxicity: the ameliorative effects of Iranian indigenous probiotics.. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2022 , 395, 247	3.4	4
89	Physiological role of reactive oxygen species in testis and epididymal spermatozoa.. <i>Andrologia</i> , 2022 , e14367	2.4	0
88	Fluoride exposure induces mitochondrial damage and mitophagy via activation of the IL-17A pathway in hepatocytes. <i>Science of the Total Environment</i> , 2022 , 804, 150184	10.2	1
87	Chronic exposure of bisphenol-A impairs cognitive function and disrupts hippocampal insulin signaling pathway in male mice.. <i>Toxicology</i> , 2022 , 472, 153192	4.4	1
86	Bisphenol a exposure decreases learning ability through the suppression of mitochondrial oxidative phosphorylation in the hippocampus of male mice. <i>Food and Chemical Toxicology</i> , 2022 , 165, 113167	4.7	0
85	Effect of PGF2 α and GnRH administration on reproductive performance in Ghezel ewes. <i>Prostaglandins and Other Lipid Mediators</i> , 2022 , 161, 106640	3.7	
84	Pentoxifylline mitigates cholestasis-related cholemic nephropathy.. <i>Clinical and Experimental Hepatology</i> , 2021 , 7, 377-389	2.2	1
83	The Role of Mitochondrial Impairment and Oxidative Stress in the Pathogenesis of Lithium-Induced Reproductive Toxicity in Male Mice. <i>Frontiers in Veterinary Science</i> , 2021 , 8, 603262	3.1	10
82	Drug-induced organ injury in coronavirus disease 2019 pharmacotherapy: Mechanisms and challenges in differential diagnosis and potential protective strategies. <i>Journal of Biochemical and Molecular Toxicology</i> , 2021 , 35, e22795	3.4	1
81	N-acetyl cysteine treatment mitigates biomarkers of oxidative stress in different tissues of bile duct ligated rats. <i>Stress</i> , 2021 , 24, 213-228	3	16
80	In Vitro and In Vivo Evidence on the Role of Mitochondrial Impairment as a Mechanism of Lithium-Induced Nephrotoxicity. <i>Biological Trace Element Research</i> , 2021 , 199, 1908-1918	4.5	11
79	Betaine alleviates cholestasis-associated renal injury by mitigating oxidative stress and enhancing mitochondrial function. <i>Biologia (Poland)</i> , 2021 , 76, 351-365	1.5	9
78	Betaine, heavy metal protection, oxidative stress, and the liver 2021 , 387-395		5
77	Mitochondrial dysfunction and oxidative stress are involved in the mechanism of tramadol-induced renal injury.. <i>Current Research in Pharmacology and Drug Discovery</i> , 2021 , 2, 100049	3	0
76	Mitochondria as biosynthetic centers and targeted therapeutics 2021 , 19-47		
75	Silymarin mitigates bile duct obstruction-induced cholemic nephropathy. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2021 , 394, 1301-1314	3.4	5
74	Apoptosis-inducing factor plays a role in the pathogenesis of hepatic and renal injury during cholestasis. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2021 , 394, 1191-1203	3.4	7

73	Disturbed mitochondrial redox state and tissue energy charge in cholestasis. <i>Journal of Biochemical and Molecular Toxicology</i> , 2021 , 35, e22846	3.4	2
72	The activation of nuclear factor-E2-related factor 2 (Nrf2)/heme oxygenase-1 (HO-1) signaling blunts cholestasis-induced liver and kidney injury. <i>Toxicology Research</i> , 2021 , 10, 911-927	2.6	8
71	Metformin alleviates cholestasis-associated nephropathy through regulating oxidative stress and mitochondrial function. <i>Liver Research</i> , 2021 , 5, 171-180	4.1	8
70	The inhibition of NFB signaling and inflammatory response as a strategy for blunting bile acid-induced hepatic and renal toxicity. <i>Toxicology Letters</i> , 2021 , 349, 12-29	4.4	8
69	Amino acids ameliorate heavy metals-induced oxidative stress in male/female reproductive tissue 2021 , 371-386		4
68	Taurine mitigates bile duct obstruction-associated cholemic nephropathy: effect on oxidative stress and mitochondrial parameters. <i>Clinical and Experimental Hepatology</i> , 2021 , 7, 30-40	2.2	13
67	Mitigation of cholestasis-associated hepatic and renal injury by edaravone treatment: Evaluation of its effects on oxidative stress and mitochondrial function. <i>Liver Research</i> , 2020 ,	4.1	7
66	Protective Role of Probiotic Supplements in Hepatic Steatosis: A Rat Model Study. <i>BioMed Research International</i> , 2020 , 2020, 5487659	3	14
65	Taurine mitigates cirrhosis-associated heart injury through mitochondrial-dependent and antioxidative mechanisms. <i>Clinical and Experimental Hepatology</i> , 2020 , 6, 207-219	2.2	15
64	Detrimental Effects of Sodium Fluoride on the Expression of Insulin Receptor in the Olfactory Bulb and Hippocampus of Male Mice. <i>Biological Trace Element Research</i> , 2020 , 198, 216-223	4.5	3
63	Chlorogenic acid supplementation improves skeletal muscle mitochondrial function in a rat model of resistance training. <i>Biologia (Poland)</i> , 2020 , 75, 1221-1230	1.5	14
62	Arsenic-induced autophagic alterations and mitochondrial impairments in HPG-S axis of mature male mice offspring (F1-generation): A persistent toxicity study. <i>Toxicology Letters</i> , 2020 , 326, 83-98	4.4	21
61	Betaine supplementation mitigates intestinal damage and decreases serum bacterial endotoxin in cirrhotic rats. <i>PharmaNutrition</i> , 2020 , 12, 100179	2.9	13
60	Manganese-Induced Nephrotoxicity Is Mediated through Oxidative Stress and Mitochondrial Impairment 2020 , 4, 1-10		8
59	Carnosine Mitigates Biomarkers of Oxidative Stress, Improves Mitochondrial Function, and Alleviates Histopathological Alterations in the Renal Tissue of Cholestatic Rats 2020 , 27, 32-45		3
58	Suppression of cirrhosis-related renal injury by N-acetyl cysteine.. <i>Current Research in Pharmacology and Drug Discovery</i> , 2020 , 1, 30-38	3	9
57	The Nephroprotective Role of Carnosine Against Ifosfamide-Induced Renal Injury and Electrolytes Imbalance is Mediated Via the Regulation of Mitochondrial Function and Alleviation of Oxidative Stress. <i>Drug Research</i> , 2020 , 70, 49-56	1.8	13
56	Immune disruption occurs through altered gut microbiome and NOD2 in arsenic induced mice: Correlation with colon cancer markers. <i>Chemosphere</i> , 2020 , 246, 125791	8.4	9

55	Calcium relieves fluoride-induced bone damage through the PI3K/AKT pathway. <i>Food and Function</i> , 2020 , 11, 1155-1164	6.1	8
54	Agmatine alleviates hepatic and renal injury in a rat model of obstructive jaundice. <i>PharmaNutrition</i> , 2020 , 13, 100212	2.9	14
53	Oral administration of thiol-reducing agents mitigates gut barrier disintegrity and bacterial lipopolysaccharide translocation in a rat model of biliary obstruction.. <i>Current Research in Pharmacology and Drug Discovery</i> , 2020 , 1, 10-18	3	14
52	Updated information on new coronavirus disease 2019 occurrence, drugs, and prediction of a potential receptor. <i>Journal of Biochemical and Molecular Toxicology</i> , 2020 , 34, e22594	3.4	2
51	The mechanisms of arsenic-induced ovotoxicity, ultrastructural alterations, and autophagic related paths: An enduring developmental study in folliculogenesis of mice. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 204, 110973	7	23
50	Spermatotoxic Effects of Single-Walled and Multi-Walled Carbon Nanotubes on Male Mice. <i>Frontiers in Veterinary Science</i> , 2020 , 7, 591558	3.1	8
49	The neuroprotective properties of carnosine in a mouse model of manganism is mediated via mitochondria regulating and antioxidative mechanisms. <i>Nutritional Neuroscience</i> , 2020 , 23, 731-743	3.6	22
48	The Footprints of Oxidative Stress and Mitochondrial Impairment in Arsenic Trioxide-Induced Testosterone Release Suppression in Pubertal and Mature F1-Male Balb/c Mice via the Downregulation of 3 β HSD, 17 β HSD, and CYP11a Expression. <i>Biological Trace Element Research</i> , 2020 , 195, 125-134	4.5	8
47	Calcium Alleviates Fluoride-Induced Bone Damage by Inhibiting Endoplasmic Reticulum Stress and Mitochondrial Dysfunction. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 10832-10843	5.7	20
46	Influence of Calcium Supplementation against Fluoride-Mediated Osteoblast Impairment in Vitro: Involvement of the Canonical Wnt/ECatenin Signaling Pathway. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 10285-10295	5.7	12
45	Cholestasis-associated reproductive toxicity in male and female rats: The fundamental role of mitochondrial impairment and oxidative stress. <i>Toxicology Letters</i> , 2019 , 316, 60-72	4.4	29
44	Bisphenol A-induced apoptosis, oxidative stress and DNA damage in cultured rhesus monkey embryo renal epithelial Marc-145 cells. <i>Chemosphere</i> , 2019 , 234, 682-689	8.4	19
43	Glycine supplementation mitigates lead-induced renal injury in mice. <i>Journal of Experimental Pharmacology</i> , 2019 , 11, 15-22	3	12
42	GSTO1 acts as a mediator in sodium fluoride-induced alterations of learning and memory related factors expressions in the hippocampus cell line. <i>Chemosphere</i> , 2019 , 226, 201-209	8.4	9
41	Carnosine and Histidine Supplementation Blunt Lead-Induced Reproductive Toxicity through Antioxidative and Mitochondria-Dependent Mechanisms. <i>Biological Trace Element Research</i> , 2019 , 187, 151-162	4.5	50
40	Ammonia-induced mitochondrial impairment is intensified by manganese co-exposure: relevance to the management of subclinical hepatic encephalopathy and cirrhosis-associated brain injury. <i>Clinical and Experimental Hepatology</i> , 2019 , 5, 109-117	2.2	11
39	Taurine enhances skeletal muscle mitochondrial function in a rat model of resistance training. <i>PharmaNutrition</i> , 2019 , 9, 100161	2.9	19
38	Paternal exposure to arsenic resulted in oxidative stress, autophagy, and mitochondrial impairments in the HPG axis of pubertal male offspring. <i>Chemosphere</i> , 2019 , 236, 124325	8.4	21

37	Carnosine Mitigates Manganese Mitotoxicity in an In Vitro Model of Isolated Brain Mitochondria. <i>Advanced Pharmaceutical Bulletin</i> , 2019 , 9, 294-301	4.5	5
36	Boldine Supplementation Regulates Mitochondrial Function and Oxidative Stress in a Rat Model of Hepatotoxicity 2019 , 25, 1-10		12
35	The nephroprotective properties of taurine in colistin-treated mice is mediated through the regulation of mitochondrial function and mitigation of oxidative stress. <i>Biomedicine and Pharmacotherapy</i> , 2019 , 109, 103-111	7.5	59
34	Mitochondrial dysfunction as a mechanism involved in the pathogenesis of cirrhosis-associated cholemic nephropathy. <i>Biomedicine and Pharmacotherapy</i> , 2019 , 109, 271-280	7.5	30
33	Taurine Treatment Provides Neuroprotection in a Mouse Model of Manganism. <i>Biological Trace Element Research</i> , 2019 , 190, 384-395	4.5	32
32	Betaine treatment protects liver through regulating mitochondrial function and counteracting oxidative stress in acute and chronic animal models of hepatic injury. <i>Biomedicine and Pharmacotherapy</i> , 2018 , 103, 75-86	7.5	57
31	Dithiothreitol supplementation mitigates hepatic and renal injury in bile duct ligated mice: Potential application in the treatment of cholestasis-associated complications. <i>Biomedicine and Pharmacotherapy</i> , 2018 , 99, 1022-1032	7.5	33
30	Ameliorative Effect of VE, IGF-I, and hCG on the Fluoride-Induced Testosterone Release Suppression in Mice Leydig Cells. <i>Biological Trace Element Research</i> , 2018 , 181, 95-103	4.5	14
29	Association of open field behavior with blood and semen characteristics in roosters: an alternative animal model. <i>Revista Internacional De Andrología</i> , 2018 , 16, 50-58	0.6	6
28	Alterations in epididymal proteomics and antioxidant activity of mice exposed to fluoride. <i>Archives of Toxicology</i> , 2018 , 92, 169-180	5.8	22
27	Arsenic-Induced Autophagy in the Developing Mouse Cerebellum: Involvement of the Blood-Brain Barrier's Tight-Junction Proteins and the PI3K-Akt-mTOR Signaling Pathway. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 8602-8614	5.7	25
26	Mitochondrial dysfunction and oxidative stress are involved in the mechanism of methotrexate-induced renal injury and electrolytes imbalance. <i>Biomedicine and Pharmacotherapy</i> , 2018 , 107, 834-840	7.5	44
25	Taurine supplementation abates cirrhosis-associated locomotor dysfunction. <i>Clinical and Experimental Hepatology</i> , 2018 , 4, 72-82	2.2	26
24	Amino Acid-Containing Krebs-Henseleit Buffer Protects Rat Liver in a Long-Term Organ Perfusion Model 2018 , 24, 168-179		5
23	Dual effects of sulfasalazine on rat sperm characteristics, spermatogenesis, and steroidogenesis in two experimental models. <i>Toxicology Letters</i> , 2018 , 284, 46-55	4.4	46
22	Is immunosuppression, induced by neonatal thymectomy, compatible with poor reproductive performance in adult male rats?. <i>Andrology</i> , 2018 , 6, 199-213	4.2	14
21	Mitochondria protection as a mechanism underlying the hepatoprotective effects of glycine in cholestatic mice. <i>Biomedicine and Pharmacotherapy</i> , 2018 , 97, 1086-1095	7.5	44
20	Effects of cimetidine and N-acetylcysteine on paraquat-induced acute lung injury in rats: a preliminary study. <i>Toxicological and Environmental Chemistry</i> , 2018 , 100, 785-793	1.4	4

19	Mitochondria protecting amino acids: Application against a wide range of mitochondria-linked complications. <i>PharmaNutrition</i> , 2018 , 6, 180-190	2.9	27
18	Proline supplementation mitigates the early stage of liver injury in bile duct ligated rats. <i>Journal of Basic and Clinical Physiology and Pharmacology</i> , 2018 , 30, 91-101	1.6	23
17	Arsenic induces autophagy in developmental mouse cerebral cortex and hippocampus by inhibiting PI3K/Akt/mTOR signaling pathway: involvement of blood-brain barrier's tight junction proteins. <i>Archives of Toxicology</i> , 2018 , 92, 3255-3275	5.8	40
16	Taurine prevents mitochondrial membrane permeabilization and swelling upon interaction with manganese: Implication in the treatment of cirrhosis-associated central nervous system complications. <i>Journal of Biochemical and Molecular Toxicology</i> , 2018 , 32, e22216	3.4	33
15	Carnosine ameliorates liver fibrosis and hyperammonemia in cirrhotic rats. <i>Clinics and Research in Hepatology and Gastroenterology</i> , 2017 , 41, 424-434	2.4	32
14	Carnosine protects brain mitochondria under hyperammonemic conditions: Relevance to hepatic encephalopathy treatment. <i>PharmaNutrition</i> , 2017 , 5, 58-63	2.9	35
13	Taurine treatment preserves brain and liver mitochondrial function in a rat model of fulminant hepatic failure and hyperammonemia. <i>Biomedicine and Pharmacotherapy</i> , 2017 , 86, 514-520	7.5	78
12	N-acetylcysteine treatment blunts liver failure-associated impairment of locomotor activity. <i>PharmaNutrition</i> , 2017 , 5, 141-147	2.9	29
11	Ammonia-induced mitochondrial dysfunction and energy metabolism disturbances in isolated brain and liver mitochondria, and the effect of taurine administration: relevance to hepatic encephalopathy treatment. <i>Clinical and Experimental Hepatology</i> , 2017 , 3, 141-151	2.2	53
10	Effect of exercise and morphine on psychological and physical dependencies, BDNF and TrkB gene expression in rat's hippocampus. <i>Pakistan Journal of Medical Sciences</i> , 2017 , 33, 603-609	2	4
9	Hepatoprotective effect of boldine in a bile duct ligated rat model of cholestasis/cirrhosis. <i>PharmaNutrition</i> , 2017 , 5, 109-117	2.9	37
8	Sulfasalazine induces mitochondrial dysfunction and renal injury. <i>Renal Failure</i> , 2017 , 39, 745-753	2.9	40
7	Antimalarial Drugs-Induced Hepatic Injury in Rats and the Protective Role of Carnosine 2016 , 22, 170-180		13
6	The Postulated Hepatotoxic Metabolite of Methimazole Causes Mitochondrial Dysfunction and Energy Metabolism Disturbances in Liver 2016 , 22, 217-226		8
5	Effect of taurine on chronic and acute liver injury: Focus on blood and brain ammonia. <i>Toxicology Reports</i> , 2016 , 3, 870-879	4.8	60
4	Paradoxical effect of methimazole on liver mitochondria: In vitro and in vivo. <i>Toxicology Letters</i> , 2016 , 259, 108-115	4.4	34
3	Seminal characteristics, sperm fatty acids, and blood biochemical attributes in breeder roosters orally administered with sage (<i>Salvia officinalis</i>) extract. <i>Animal Production Science</i> , 2013 , 53, 548	1.4	51
2	Dietary inclusion of dried tomato pomace improves the seminal characteristics in Iranian native roosters. <i>Poultry Science</i> , 2012 , 91, 2310-5	3.9	34

- 1 A review of basic to clinical studies of the association between hyperammonemia, methamphetamine. *Naunyn-Schmiedeberg's Archives of Pharmacology*, 34