M M Ommati

List of Publications by Citations

90	1,655	25	35
papers	citations	h-index	g-index
94	2,141	4	5.02
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
90	Taurine treatment preserves brain and liver mitochondrial function in a rat model of fulminant hepatic failure and hyperammonemia. *Biomedicine and Pharmacotherapy*, **2017**, 86, 514-520	7.5	78
89	Effect of taurine on chronic and acute liver injury: Focus on blood and brain ammonia. *Toxicology Reports*, **2016**, 3, 870-879	4.8	60
88	The nephroprotective properties of taurine in colistin-treated mice is mediated through the regulation of mitochondrial function and mitigation of oxidative stress. *Biomedicine and Pharmacotherapy*, **2019**, 109, 103-111	7.5	59
87	Betaine treatment protects liver through regulating mitochondrial function and counteracting oxidative stress in acute and chronic animal models of hepatic injury. *Biomedicine and Pharmacotherapy*, **2018**, 103, 75-86	7.5	57
86	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. *Clinical and Experimental Hepatology*, **2017**, 3, 141-151	2.2	53
85	Seminal characteristics, sperm fatty acids, and blood biochemical attributes in breeder roosters orally administered with sage (Salvia officinalis) extract. *Animal Production Science*, **2013**, 53, 548	1.4	51
84	Carnosine and Histidine Supplementation Blunt Lead-Induced Reproductive Toxicity through Antioxidative and Mitochondria-Dependent Mechanisms. *Biological Trace Element Research*, **2019**, 187, 151-162	4.5	50
83	Dual effects of sulfasalazine on rat sperm characteristics, spermatogenesis, and steroidogenesis in two experimental models. *Toxicology Letters*, **2018**, 284, 46-55	4.4	46
82	Mitochondrial dysfunction and oxidative stress are involved in the mechanism of methotrexate-induced renal injury and electrolytes imbalance. *Biomedicine and Pharmacotherapy*, **2018**, 107, 834-840	7.5	44
81	Mitochondria protection as a mechanism underlying the hepatoprotective effects of glycine in cholestatic mice. *Biomedicine and Pharmacotherapy*, **2018**, 97, 1086-1095	7.5	44
80	Sulfasalazine induces mitochondrial dysfunction and renal injury. *Renal Failure*, **2017**, 39, 745-753	2.9	40
79	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. *Archives of Toxicology*, **2018**, 92, 3255-3275	5.8	40
78	Hepatoprotective effect of boldine in a bile duct ligated rat model of cholestasis/cirrhosis. *PharmaNutrition*, **2017**, 5, 109-117	2.9	37
77	Carnosine protects brain mitochondria under hyperammonemic conditions: Relevance to hepatic encephalopathy treatment. *PharmaNutrition*, **2017**, 5, 58-63	2.9	35
76	Dietary inclusion of dried tomato pomace improves the seminal characteristics in Iranian native roosters. *Poultry Science*, **2012**, 91, 2310-5	3.9	34
75	Paradoxical effect of methimazole on liver mitochondria: In vitro and in vivo. *Toxicology Letters*, **2016**, 259, 108-115	4.4	34
74	Dithiothreitol supplementation mitigates hepatic and renal injury in bile duct ligated mice: Potential application in the treatment of cholestasis-associated complications. *Biomedicine and Pharmacotherapy*, **2018**, 99, 1022-1032	7.5	33

73	Taurine prevents mitochondrial membrane permeabilization and swelling upon interaction with manganese: Implication in the treatment of cirrhosis-associated central nervous system complications. *Journal of Biochemical and Molecular Toxicology*, **2018**, 32, e22216	3.4	33
72	Carnosine ameliorates liver fibrosis and hyperammonemia in cirrhotic rats. *Clinics and Research in Hepatology and Gastroenterology*, **2017**, 41, 424-434	2.4	32
71	Taurine Treatment Provides Neuroprotection in a Mouse Model of Manganism. *Biological Trace Element Research*, **2019**, 190, 384-395	4.5	32
70	Mitochondrial dysfunction as a mechanism involved in the pathogenesis of cirrhosis-associated cholemic nephropathy. *Biomedicine and Pharmacotherapy*, **2019**, 109, 271-280	7.5	30
69	N-acetylcysteine treatment blunts liver failure-associated impairment of locomotor activity. *PharmaNutrition*, **2017**, 5, 141-147	2.9	29
68	Cholestasis-associated reproductive toxicity in male and female rats: The fundamental role of mitochondrial impairment and oxidative stress. *Toxicology Letters*, **2019**, 316, 60-72	4.4	29
67	Mitochondria protecting amino acids: Application against a wide range of mitochondria-linked complications. *PharmaNutrition*, **2018**, 6, 180-190	2.9	27
66	Taurine supplementation abates cirrhosis-associated locomotor dysfunction. *Clinical and Experimental Hepatology*, **2018**, 4, 72-82	2.2	26
65	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. *Journal of Agricultural and Food Chemistry*, **2018**, 66, 8602-8614	5.7	25
64	The mechanisms of arsenic-induced ovotoxicity, ultrastructural alterations, and autophagic related paths: An enduring developmental study in folliculogenesis of mice. *Ecotoxicology and Environmental Safety*, **2020**, 204, 110973	7	23
63	Proline supplementation mitigates the early stage of liver injury in bile duct ligated rats. *Journal of Basic and Clinical Physiology and Pharmacology*, **2018**, 30, 91-101	1.6	23
62	Alterations in epididymal proteomics and antioxidant activity of mice exposed to fluoride. *Archives of Toxicology*, **2018**, 92, 169-180	5.8	22
61	The neuroprotective properties of carnosine in a mouse model of manganism is mediated via mitochondria regulating and antioxidative mechanisms. *Nutritional Neuroscience*, **2020**, 23, 731-743	3.6	22
60	Arsenic-induced autophagic alterations and mitochondrial impairments in HPG-S axis of mature male mice offspring (F1-generation): A persistent toxicity study. *Toxicology Letters*, **2020**, 326, 83-98	4.4	21
59	Paternal exposure to arsenic resulted in oxidative stress, autophagy, and mitochondrial impairments in the HPG axis of pubertal male offspring. *Chemosphere*, **2019**, 236, 124325	8.4	21
58	Calcium Alleviates Fluoride-Induced Bone Damage by Inhibiting Endoplasmic Reticulum Stress and Mitochondrial Dysfunction. *Journal of Agricultural and Food Chemistry*, **2019**, 67, 10832-10843	5.7	20
57	Bisphenol A-induced apoptosis, oxidative stress and DNA damage in cultured rhesus monkey embryo renal epithelial Marc-145 cells. *Chemosphere*, **2019**, 234, 682-689	8.4	19
56	Taurine enhances skeletal muscle mitochondrial function in a rat model of resistance training. *PharmaNutrition*, **2019**, 9, 100161	2.9	19

55	N-acetyl cysteine treatment mitigates biomarkers of oxidative stress in different tissues of bile duct ligated rats. *Stress*, **2021**, 24, 213-228	3	16
54	Taurine mitigates cirrhosis-associated heart injury through mitochondrial-dependent and antioxidative mechanisms. *Clinical and Experimental Hepatology*, **2020**, 6, 207-219	2.2	15
53	Protective Role of Probiotic Supplements in Hepatic Steatosis: A Rat Model Study. *BioMed Research International*, **2020**, 2020, 5487659	3	14
52	Chlorogenic acid supplementation improves skeletal muscle mitochondrial function in a rat model of resistance training. *Biologia (Poland)*, **2020**, 75, 1221-1230	1.5	14
51	Ameliorative Effect of VE, IGF-I, and hCG on the Fluoride-Induced Testosterone Release Suppression in Mice Leydig Cells. *Biological Trace Element Research*, **2018**, 181, 95-103	4.5	14
50	Agmatine alleviates hepatic and renal injury in a rat model of obstructive jaundice. *PharmaNutrition* , **2020**, 13, 100212	2.9	14
49	Oral administration of thiol-reducing agents mitigates gut barrier disintegrity and bacterial lipopolysaccharide translocation in a rat model of biliary obstruction.. *Current Research in Pharmacology and Drug Discovery*, **2020**, 1, 10-18	3	14
48	Is immunosuppression, induced by neonatal thymectomy, compatible with poor reproductive performance in adult male rats?. *Andrology*, **2018**, 6, 199-213	4.2	14
47	Betaine supplementation mitigates intestinal damage and decreases serum bacterial endotoxin in cirrhotic rats. *PharmaNutrition*, **2020**, 12, 100179	2.9	13
46	Antimalarial Drugs-Induced Hepatic Injury in Rats and the Protective Role of Carnosine **2016**, 22, 170-180		13
45	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. *Drug Research*, **2020**, 70, 49-56	1.8	13
44	Taurine mitigates bile duct obstruction-associated cholemic nephropathy: effect on oxidative stress and mitochondrial parameters. *Clinical and Experimental Hepatology*, **2021**, 7, 30-40	2.2	13
43	Influence of Calcium Supplementation against Fluoride-Mediated Osteoblast Impairment in Vitro: Involvement of the Canonical Wnt/Catenin Signaling Pathway. *Journal of Agricultural and Food Chemistry*, **2019**, 67, 10285-10295	5.7	12
42	Glycine supplementation mitigates lead-induced renal injury in mice. *Journal of Experimental Pharmacology*, **2019**, 11, 15-22	3	12
41	Boldine Supplementation Regulates Mitochondrial Function and Oxidative Stress in a Rat Model of Hepatotoxicity **2019**, 25, 1-10		12
40	Ammonia-induced mitochondrial impairment is intensified by manganese co-exposure: relevance to the management of subclinical hepatic encephalopathy and cirrhosis-associated brain injury. *Clinical and Experimental Hepatology*, **2019**, 5, 109-117	2.2	11
39	In Vitro and In Vivo Evidence on the Role of Mitochondrial Impairment as a Mechanism of Lithium-Induced Nephrotoxicity. *Biological Trace Element Research*, **2021**, 199, 1908-1918	4.5	11
38	The Role of Mitochondrial Impairment and Oxidative Stress in the Pathogenesis of Lithium-Induced Reproductive Toxicity in Male Mice. *Frontiers in Veterinary Science*, **2021**, 8, 603262	3.1	10

37	GSTO1 acts as a mediator in sodium fluoride-induced alterations of learning and memory related factors expressions in the hippocampus cell line. *Chemosphere*, **2019**, 226, 201-209	8.4	9
36	Suppression of cirrhosis-related renal injury by N-acetyl cysteine.. *Current Research in Pharmacology and Drug Discovery*, **2020**, 1, 30-38	3	9
35	Immune disruption occurs through altered gut microbiome and NOD2 in arsenic induced mice: Correlation with colon cancer markers. *Chemosphere*, **2020**, 246, 125791	8.4	9
34	Betaine alleviates cholestasis-associated renal injury by mitigating oxidative stress and enhancing mitochondrial function. *Biologia (Poland)*, **2021**, 76, 351-365	1.5	9
33	The Postulated Hepatotoxic Metabolite of Methimazole Causes Mitochondrial Dysfunction and Energy Metabolism Disturbances in Liver **2016**, 22, 217-226		8
32	Manganese-Induced Nephrotoxicity Is Mediated through Oxidative Stress and Mitochondrial Impairment **2020**, 4, 1-10		8
31	Calcium relieves fluoride-induced bone damage through the PI3K/AKT pathway. *Food and Function*, **2020**, 11, 1155-1164	6.1	8
30	Spermatotoxic Effects of Single-Walled and Multi-Walled Carbon Nanotubes on Male Mice. *Frontiers in Veterinary Science*, **2020**, 7, 591558	3.1	8
29	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 3HSD, 17HSD, and CYP11a Expression. *Biological Trace Element Research*, **2020**, 195, 125-134	4.5	8
28	The activation of nuclear factor-E2-related factor 2 (Nrf2)/heme oxygenase-1 (HO-1) signaling blunts cholestasis-induced liver and kidney injury. *Toxicology Research*, **2021**, 10, 911-927	2.6	8
27	Metformin alleviates cholestasis-associated nephropathy through regulating oxidative stress and mitochondrial function. *Liver Research*, **2021**, 5, 171-180	4.1	8
26	The inhibition of NFB signaling and inflammatory response as a strategy for blunting bile acid-induced hepatic and renal toxicity. *Toxicology Letters*, **2021**, 349, 12-29	4.4	8
25	Mitigation of cholestasis-associated hepatic and renal injury by edaravone treatment: Evaluation of its effects on oxidative stress and mitochondrial function. *Liver Research*, **2020**,	4.1	7
24	Apoptosis-inducing factor plays a role in the pathogenesis of hepatic and renal injury during cholestasis. *Naunyn-Schmiedebergs Archives of Pharmacology*, **2021**, 394, 1191-1203	3.4	7
23	Association of open field behavior with blood and semen characteristics in roosters: an alternative animal model. *Revista Internacional De Androloga*, **2018**, 16, 50-58	0.6	6
22	Carnosine Mitigates Manganese Mitotoxicity in an In Vitro Model of Isolated Brain Mitochondria. *Advanced Pharmaceutical Bulletin*, **2019**, 9, 294-301	4.5	5
21	Amino Acid-Containing Krebs-Henseleit Buffer Protects Rat Liver in a Long-Term Organ Perfusion Model **2018**, 24, 168-179		5
20	Betaine, heavy metal protection, oxidative stress, and the liver **2021**, 387-395		5

19	Silymarin mitigates bile duct obstruction-induced cholemic nephropathy. *Naunyn-Schmiedebergs Archives of Pharmacology*, **2021**, 394, 1301-1314	3.4	5
18	Effect of exercise and morphine on psychological and physical dependencies, BDNF and TrkB gene expression in rat's hippocampus. *Pakistan Journal of Medical Sciences*, **2017**, 33, 603-609	2	4
17	The crucial role of oxidative stress in non-alcoholic fatty liver disease-induced male reproductive toxicity: the ameliorative effects of Iranian indigenous probiotics.. *Naunyn-Schmiedebergs Archives of Pharmacology*, **2022**, 395, 247	3.4	4
16	Effects of cimetidine and N-acetylcysteine on paraquat-induced acute lung injury in rats: a preliminary study. *Toxicological and Environmental Chemistry*, **2018**, 100, 785-793	1.4	4
15	Amino acids ameliorate heavy metals-induced oxidative stress in male/female reproductive tissue **2021**, 371-386		4
14	Detrimental Effects of Sodium Fluoride on the Expression of Insulin Receptor in the Olfactory Bulb and Hippocampus of Male Mice. *Biological Trace Element Research*, **2020**, 198, 216-223	4.5	3
13	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
12	Updated information on new coronavirus disease 2019 occurrence, drugs, and prediction of a potential receptor. *Journal of Biochemical and Molecular Toxicology*, **2020**, 34, e22594	3.4	2
11	Disturbed mitochondrial redox state and tissue energy charge in cholestasis. *Journal of Biochemical and Molecular Toxicology*, **2021**, 35, e22846	3.4	2
10	Pentoxifylline mitigates cholestasis-related cholemic nephropathy.. *Clinical and Experimental Hepatology*, **2021**, 7, 377-389	2.2	1
9	Drug-induced organ injury in coronavirus disease 2019 pharmacotherapy: Mechanisms and challenges in differential diagnosis and potential protective strategies. *Journal of Biochemical and Molecular Toxicology*, **2021**, 35, e22795	3.4	1
8	Fluoride exposure induces mitochondrial damage and mitophagy via activation of the IL-17A pathway in hepatocytes. *Science of the Total Environment*, **2022**, 804, 150184	10.2	1
7	Chronic exposure of bisphenol-A impairs cognitive function and disrupts hippocampal insulin signaling pathway in male mice.. *Toxicology*, **2022**, 472, 153192	4.4	1
6	Physiological role of reactive oxygen species in testis and epididymal spermatozoa.. *Andrologia*, **2022**, e14367	2.4	0
5	Mitochondrial dysfunction and oxidative stress are involved in the mechanism of tramadol-induced renal injury.. *Current Research in Pharmacology and Drug Discovery*, **2021**, 2, 100049	3	0
4	Bisphenol a exposure decreases learning ability through the suppression of mitochondrial oxidative phosphorylation in the hippocampus of male mice. *Food and Chemical Toxicology*, **2022**, 165, 113167	4.7	0
3	Mitochondria as biosynthetic centers and targeted therapeutics **2021**, 19-47		
2	A review of basic to clinical studies of the association between hyperammonemia, methamphetamine. *Naunyn-Schmiedebergs Archives of Pharmacology*,	3.4	

1	Effect of PGF2α and GnRH administration on reproductive performance in Ghezel ewes. *Prostaglandins and Other Lipid Mediators*, **2022**, 161, 106640	3.7