

# Hossein Niknahad

## List of Publications by Citations

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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.

84  
papers

1,697  
citations

27  
h-index

35  
g-index

91  
ext. papers

1,998  
ext. citations

3.6  
avg, IF

4.93  
L-index

#	Paper	IF	Citations
84	Mechanism of sulfite cytotoxicity in isolated rat hepatocytes. <i>Chemico-Biological Interactions</i> , <b>2008</b> , 174, 147-54	5	73
83	Effect of taurine on chronic and acute liver injury: Focus on blood and brain ammonia. <i>Toxicology Reports</i> , <b>2016</b> , 3, 870-879	4.8	60
82	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> , <b>2018</b> , 103, 75-86	7.5	57
81	Effects of tomato extract on oxidative stress induced toxicity in different organs of rats. <i>Food and Chemical Toxicology</i> , <b>2008</b> , 46, 3612-5	4.7	57
80	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> , <b>2017</b> , 3, 141-151	2.2	53
79	Mechanism of valproic acid-induced Fanconi syndrome involves mitochondrial dysfunction and oxidative stress in rat kidney. <i>Nephrology</i> , <b>2018</b> , 23, 351-361	2.2	49
78	Hepatocyte injury resulting from the inhibition of mitochondrial respiration at low oxygen concentrations involves reductive stress and oxygen activation. <i>Chemico-Biological Interactions</i> , <b>1995</b> , 98, 27-44	5	46
77	Mitochondrial dysfunction and oxidative stress are involved in the mechanism of methotrexate-induced renal injury and electrolytes imbalance. <i>Biomedicine and Pharmacotherapy</i> , <b>2018</b> , 107, 834-840	7.5	44
76	Prevention of cyanide-induced cytotoxicity by nutrients in isolated rat hepatocytes. <i>Toxicology and Applied Pharmacology</i> , <b>1994</b> , 128, 271-9	4.6	44
75	Mitochondria protection as a mechanism underlying the hepatoprotective effects of glycine in cholestatic mice. <i>Biomedicine and Pharmacotherapy</i> , <b>2018</b> , 97, 1086-1095	7.5	44
74	Sulfasalazine induces mitochondrial dysfunction and renal injury. <i>Renal Failure</i> , <b>2017</b> , 39, 745-753	2.9	40
73	An overview on the proposed mechanisms of antithyroid drugs-induced liver injury. <i>Advanced Pharmaceutical Bulletin</i> , <b>2015</b> , 5, 1-11	4.5	37
72	Factors affecting drug-induced liver injury: antithyroid drugs as instances. <i>Clinical and Molecular Hepatology</i> , <b>2014</b> , 20, 237-48	6.9	36
71	Involvement of nitric oxide in nitroprusside-induced hepatocyte cytotoxicity. <i>Biochemical Pharmacology</i> , <b>1996</b> , 51, 1031-9	6	36
70	Carnosine protects brain mitochondria under hyperammonemic conditions: Relevance to hepatic encephalopathy treatment. <i>PharmaNutrition</i> , <b>2017</b> , 5, 58-63	2.9	35
69	Paradoxical effect of methimazole on liver mitochondria: In vitro and in vivo. <i>Toxicology Letters</i> , <b>2016</b> , 259, 108-115	4.4	34
68	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> , <b>2018</b> , 99, 1022-1032	7.5	33

67	Synthesis and calcium channel antagonist activities of 3-nitrooxyalkyl, 5-alkyl 1,4-dihydro-2,6-dimethyl-4-(1-methyl-5-nitro-2-imidazolyl)-3, 5-pyridinedicarboxylates. <i>Il Farmaco</i> , <b>2002</b> , 57, 123-8		33
66	Hepatoprotective activity of <i>Gundelia tourenfortii</i> . <i>Journal of Ethnopharmacology</i> , <b>2005</b> , 101, 233-7	5	32
65	Taurine Treatment Provides Neuroprotection in a Mouse Model of Manganism. <i>Biological Trace Element Research</i> , <b>2019</b> , 190, 384-395	4.5	32
64	Mitochondrial dysfunction as a mechanism involved in the pathogenesis of cirrhosis-associated cholemic nephropathy. <i>Biomedicine and Pharmacotherapy</i> , <b>2019</b> , 109, 271-280	7.5	30
63	Sulfasalazine-induced renal injury in rats and the protective role of thiol-reductants. <i>Renal Failure</i> , <b>2016</b> , 38, 137-41	2.9	29
62	N-acetylcysteine treatment blunts liver failure-associated impairment of locomotor activity. <i>PharmaNutrition</i> , <b>2017</b> , 5, 141-147	2.9	29
61	Cholestasis-associated reproductive toxicity in male and female rats: The fundamental role of mitochondrial impairment and oxidative stress. <i>Toxicology Letters</i> , <b>2019</b> , 316, 60-72	4.4	29
60	The Role and Study of Mitochondrial Impairment and Oxidative Stress in Cholestasis. <i>Methods in Molecular Biology</i> , <b>2019</b> , 1981, 117-132	1.4	29
59	Sulfasalazine-induced renal and hepatic injury in rats and the protective role of taurine. <i>BiolImpacts</i> , <b>2016</b> , 6, 3-8	3.5	29
58	Mitochondria protecting amino acids: Application against a wide range of mitochondria-linked complications. <i>PharmaNutrition</i> , <b>2018</b> , 6, 180-190	2.9	27
57	Taurine supplementation abates cirrhosis-associated locomotor dysfunction. <i>Clinical and Experimental Hepatology</i> , <b>2018</b> , 4, 72-82	2.2	26
56	Carbonyl traps as potential protective agents against methimazole-induced liver injury. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2015</b> , 29, 173-81	3.4	23
55	Modulating carbonyl cytotoxicity in intact rat hepatocytes by inhibiting carbonyl-metabolizing enzymes. I. Aliphatic alkenals. <i>Chemico-Biological Interactions</i> , <b>2003</b> , 143-144, 107-117	5	23
54	Hepatocyte-catalysed detoxification of cyanide by L- and D-cysteine. <i>Biochemical Pharmacology</i> , <b>1998</b> , 55, 1983-90	6	23
53	Effect of Thiol-reducing Agents and Antioxidants on Sulfasalazine-induced Hepatic Injury in Normothermic Recirculating Isolated Perfused Rat Liver. <i>Toxicological Research</i> , <b>2016</b> , 32, 133-40	3.7	23
52	Poly (ADP-Ribose) polymerase-1 (PARP-1) overactivity plays a pathogenic role in bile acids-induced nephrotoxicity in cholestatic rats. <i>Toxicology Letters</i> , <b>2020</b> , 330, 144-158	4.4	23
51	Proline supplementation mitigates the early stage of liver injury in bile duct ligated rats. <i>Journal of Basic and Clinical Physiology and Pharmacology</i> , <b>2018</b> , 30, 91-101	1.6	23
50	Cytotoxicity induced by N-methyl-NZnitro-N-nitrosoguanidine may involve S-nitrosyl glutathione and nitric oxide. <i>Xenobiotica</i> , <b>1995</b> , 25, 91-101	2	22

49	The neuroprotective properties of carnosine in a mouse model of manganism is mediated via mitochondria regulating and antioxidative mechanisms. <i>Nutritional Neuroscience</i> , <b>2020</b> , 23, 731-743	3.6	22
48	Antidotal effect of dihydroxyacetone against cyanide toxicity in vivo. <i>Toxicology and Applied Pharmacology</i> , <b>1996</b> , 138, 186-91	4.6	20
47	Coenzyme Q10 remarkably improves the bio-energetic function of rat liver mitochondria treated with statins. <i>European Journal of Pharmacology</i> , <b>2015</b> , 762, 270-4	5.3	19
46	Cytotoxicity of chloroquine in isolated rat hepatocytes. <i>Journal of Applied Toxicology</i> , <b>2007</b> , 27, 322-6	4.1	19
45	The potential role of mitochondrial impairment in the pathogenesis of imatinib-induced renal injury. <i>Heliyon</i> , <b>2019</b> , 5, e01996	3.6	16
44	Taurine mitigates cirrhosis-associated heart injury through mitochondrial-dependent and antioxidative mechanisms. <i>Clinical and Experimental Hepatology</i> , <b>2020</b> , 6, 207-219	2.2	15
43	Bioconversion of Hydrocortisone by Cyanobacterium Fischerella ambigua PTCC 1635. <i>World Journal of Microbiology and Biotechnology</i> , <b>2005</b> , 21, 811-814	4.4	15
42	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> , <b>2020</b> , 1, 10-18	3	14
41	Betaine supplementation mitigates intestinal damage and decreases serum bacterial endotoxin in cirrhotic rats. <i>PharmaNutrition</i> , <b>2020</b> , 12, 100179	2.9	13
40	Modulating carbonyl cytotoxicity in intact rat hepatocytes by inhibiting carbonyl metabolizing enzymes. II. Aromatic aldehydes. <i>Chemico-Biological Interactions</i> , <b>2003</b> , 143-144, 119-28	5	13
39	Antagonism of cyanide poisoning by dihydroxyacetone. <i>Toxicology Letters</i> , <b>2002</b> , 132, 95-100	4.4	13
38	Synthesis and evaluation of pharmacological activities of 3, 5-dialkyl 1, 4-dihydro-2,6-dimethyl-4-nitroimidazole-3, 5-pyridine dicarboxylates. <i>Archiv Der Pharmazie</i> , <b>2003</b> , 336, 422-8	4.3	12
37	Boldine Supplementation Regulates Mitochondrial Function and Oxidative Stress in a Rat Model of Hepatotoxicity <b>2019</b> , 25, 1-10		12
36	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> , <b>2019</b> , 5, 109-117	2.2	11
35	Study of the Effects of ATP Suppliers and Thiol Reductants on Toxicity of Pioglitazone in Isolated Rat Liver Mitochondria. <i>Iranian Journal of Pharmaceutical Research</i> , <b>2015</b> , 14, 825-32	1.1	11
34	N-acetyl cysteine treatment preserves mitochondrial indices of functionality in the brain of hyperammonemic mice. <i>Clinical and Experimental Hepatology</i> , <b>2020</b> , 6, 106-115	2.2	11
33	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> , <b>2021</b> , 199, 1908-1918	4.5	11
32	The effect of acute aripiprazole treatment on chemically and electrically induced seizures in mice: The role of nitric oxide. <i>Epilepsy and Behavior</i> , <b>2015</b> , 48, 35-40	3.2	10

31	The interaction of adenosine and morphine on pentylenetetrazole-induced seizure threshold in mice. <i>Neuropharmacology</i> , <b>2013</b> , 72, 1-8	5.5	10
30	Algal transformation of hydrocortisone by the cyanobacterium <i>Nostoc ellipsosporum</i> . <i>Chemistry of Natural Compounds</i> , <b>2006</b> , 42, 702-705	0.7	10
29	Concurrent Inflammation Augments Antimalarial Drugs-Induced Liver Injury in Rats. <i>Advanced Pharmaceutical Bulletin</i> , <b>2016</b> , 6, 617-625	4.5	10
28	Sulfasalazine-Induced Hepatic Injury in an Ex Vivo Model of Isolated Perfused Rat Liver and the Protective Role of Taurine. <i>Pharmaceutical Sciences</i> , <b>2015</b> , 21, 211-219		10
27	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> , <b>2021</b> , 8, 603262	3.1	10
26	Propylthiouracil-induced mitochondrial dysfunction in liver and its relevance to drug-induced hepatotoxicity <b>2017</b> , 23, 95-102		9
25	Betaine alleviates cholestasis-associated renal injury by mitigating oxidative stress and enhancing mitochondrial function. <i>Biologia (Poland)</i> , <b>2021</b> , 76, 351-365	1.5	9
24	Co-exposure to an Aryl Hydrocarbon Receptor Endogenous Ligand, 6-Formylindolo[3,2-b]carbazole (FICZ), and Cadmium Induces Cardiovascular Developmental Abnormalities in Mice. <i>Biological Trace Element Research</i> , <b>2019</b> , 187, 442-451	4.5	8
23	The Postulated Hepatotoxic Metabolite of Methimazole Causes Mitochondrial Dysfunction and Energy Metabolism Disturbances in Liver <b>2016</b> , 22, 217-226		8
22	The Healing Effect of Mixture of Honey, Putty, Vitriol and Olive oil in <i>Pseudomonas aeruginosa</i> Infected Burns in Experimental Rat Model. <i>Asian Journal of Animal and Veterinary Advances</i> , <b>2011</b> , 6, 572-579	0.1	8
21	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> , <b>2021</b> , 10, 911-927	2.6	8
20	Metformin alleviates cholestasis-associated nephropathy through regulating oxidative stress and mitochondrial function. <i>Liver Research</i> , <b>2021</b> , 5, 171-180	4.1	8
19	The inhibition of NFB signaling and inflammatory response as a strategy for blunting bile acid-induced hepatic and renal toxicity. <i>Toxicology Letters</i> , <b>2021</b> , 349, 12-29	4.4	8
18	Evaluating the Role of Drug Metabolism and Reactive Intermediates in Trazodone-Induced Cytotoxicity toward Freshly-Isolated Rat Hepatocytes. <i>Drug Research</i> , <b>2016</b> , 66, 592-596	1.8	7
17	Evaluating the Effects of Dithiothreitol and Fructose on Cell Viability and Function of Cryopreserved Primary Rat Hepatocytes and HepG2 Cell Line. <i>Hepatitis Monthly</i> , <b>2013</b> , 13, e7824	1.8	7
16	Exacerbated liver injury of antithyroid drugs in endotoxin-treated mice. <i>Drug and Chemical Toxicology</i> , <b>2019</b> , 42, 615-623	2.3	7
15	Carnosine Mitigates Manganese Mitotoxicity in an In Vitro Model of Isolated Brain Mitochondria. <i>Advanced Pharmaceutical Bulletin</i> , <b>2019</b> , 9, 294-301	4.5	5
14	Silymarin mitigates bile duct obstruction-induced cholemic nephropathy. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2021</b> , 394, 1301-1314	3.4	5

13	Dithiothreitol (DTT) rescues mitochondria from nitrofurantoin-induced mitotoxicity in rat. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2016</b> , 30, 588-592	3-4	4
12	Assessing the effect of pomegranate fruit seed extract mouthwash on dental plaque and gingival inflammation. <i>Journal of Dental Research and Review</i> , <b>2016</b> , 3, 117	0-3	4
11	The Effects of Sub-Chronic Treatment with Aripiprazole on Pentylentetrazole- and Electroshock-Induced Seizures in Mice: The Role of Nitric Oxide. <i>Pharmacology</i> , <b>2015</b> , 95, 264-70	2-3	3
10	Antidotal effect of dihydroxyacetone against phosphine poisoning in vivo in mice. <i>Toxicology Letters</i> , <b>2012</b> , 211, S169-S170	4-4	3
9	Carnosine Mitigates Biomarkers of Oxidative Stress, Improves Mitochondrial Function, and Alleviates Histopathological Alterations in the Renal Tissue of Cholestatic Rats <b>2020</b> , 27, 32-45		3
8	Prevention of phosphine-induced cytotoxicity by nutrients in HepG2 cells. <i>Indian Journal of Medical Research</i> , <b>2016</b> , 144, 560-565	2-9	3
7	The effectiveness of a traditional Persian medicine preparation in the treatment of chronic cough: A randomized, double-blinded, placebo-controlled clinical trial. <i>Complementary Therapies in Medicine</i> , <b>2020</b> , 49, 102324	3-5	3
6	The role of alpha-2 adrenoceptors in the anticonvulsant effects of adenosine on pentylentetrazole-induced seizure threshold in mice. <i>Pharmacology Biochemistry and Behavior</i> , <b>2014</b> , 126, 36-42	3-9	2
5	Oxygen dependence of hepatocyte susceptibility to mitochondrial respiratory inhibitors. <i>Biochemical Pharmacology</i> , <b>1995</b> , 50, 1859-65	6	2
4	Diazinon Interrupts Ovarian Steroidogenic Acute Regulatory () Gene Transcription in Gonadotropin-Stimulated Rat Model. <i>Iranian Journal of Pharmaceutical Research</i> , <b>2018</b> , 17, 535-542	1-1	1
3	Pentoxifylline mitigates cholestasis-related cholemic nephropathy.. <i>Clinical and Experimental Hepatology</i> , <b>2021</b> , 7, 377-389	2-2	1
2	Antidotal effect of dihydroxyacetone against phosphine poisoning in mice. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2021</b> , 35, e22897	3-4	0
1	Mitochondria as biosynthetic centers and targeted therapeutics <b>2021</b> , 19-47		