

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.

97 papers	2,958 citations	33 h-index	51 g-index
97 ext. papers	3,224 ext. citations	4.1 avg, IF	5.47 L-index

#	Paper	IF	Citations
97	Arsenic-induced oxidative stress and its reversibility following combined administration of N-acetylcysteine and meso 2,3-dimercaptosuccinic acid in rats. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1999 , 26, 865-9	3	226
96	Lead induced oxidative damage and its response to combined administration of alpha-lipoic acid and succimers in rats. <i>Toxicology</i> , 2002 , 177, 187-96	4.4	173
95	Effects of individual and combined exposure to sodium arsenite and sodium fluoride on tissue oxidative stress, arsenic and fluoride levels in male mice. <i>Chemico-Biological Interactions</i> , 2006 , 162, 128-39	5.9	104
94	Concomitant administration of Moringa oleifera seed powder in the remediation of arsenic-induced oxidative stress in mouse. <i>Cell Biology International</i> , 2007 , 31, 44-56	4.5	94
93	Combined therapeutic potential of meso-2,3-dimercaptosuccinic acid and calcium disodium edetate on the mobilization and distribution of lead in experimental lead intoxication in rats. <i>Fundamental and Applied Toxicology</i> , 1995 , 25, 233-40		86
92	Therapeutic efficacy of silymarin and naringenin in reducing arsenic-induced hepatic damage in young rats. <i>Ecotoxicology and Environmental Safety</i> , 2011 , 74, 607-14	7	85
91	Effects of fluoride on the tissue oxidative stress and apoptosis in rats: biochemical assays supported by IR spectroscopy data. <i>Toxicology</i> , 2008 , 254, 61-7	4.4	81
90	Co-exposure to arsenic and fluoride on oxidative stress, glutathione linked enzymes, biogenic amines and DNA damage in mouse brain. <i>Journal of the Neurological Sciences</i> , 2009 , 285, 198-205	3.2	78
89	Oxidative stress following exposure to silver and gold nanoparticles in mice. <i>Toxicology and Industrial Health</i> , 2016 , 32, 1391-1404	1.8	76
88	Possible role of metal redistribution, hepatotoxicity and oxidative stress in chelating agents induced hepatic and renal metallothionein in rats. <i>Food and Chemical Toxicology</i> , 2001 , 39, 1029-38	4.7	74
87	Toxic effects of arsenic (III) on some hematopoietic and central nervous system variables in rats and guinea pigs. <i>Journal of Toxicology: Clinical Toxicology</i> , 2001 , 39, 675-82		74
86	Fluoride in Drinking Water and Skeletal Fluorosis: a Review of the Global Impact. <i>Current Environmental Health Reports</i> , 2020 , 7, 140-146	6.5	70
85	Arsenic-induced changes in certain neurotransmitter levels and their recoveries following chelation in rat whole brain. <i>Toxicology Letters</i> , 1997 , 92, 201-8	4.4	69
84	Response of lead-induced oxidative stress and alterations in biogenic amines in different rat brain regions to combined administration of DMSA and MiADMSA. <i>Chemico-Biological Interactions</i> , 2007 , 170, 209-20	5	67
83	Chemistry and pharmacological properties of some natural and synthetic antioxidants for heavy metal toxicity. <i>Current Medicinal Chemistry</i> , 2013 , 20, 4540-74	4.3	63
82	Differential oxidative stress and DNA damage in rat brain regions and blood following chronic arsenic exposure. <i>Toxicology and Industrial Health</i> , 2008 , 24, 247-56	1.8	57
81	Beneficial effects of zinc supplementation during chelation treatment of lead intoxication in rats. <i>Toxicology</i> , 1990 , 64, 129-39	4.4	55

80	Effect of combined exposure to lead and ethanol on some biochemical indices in the rat. <i>Biochemical Pharmacology</i> , 1987 , 36, 537-41	6	52
79	Monoisoamyl dimercaptosuccinic acid abrogates arsenic-induced developmental toxicity in human embryonic stem cell-derived embryoid bodies: comparison with in vivo studies. <i>Biochemical Pharmacology</i> , 2009 , 78, 1340-9	6	51
78	Fluoride-induced changes in haem biosynthesis pathway, neurological variables and tissue histopathology of rats. <i>Journal of Applied Toxicology</i> , 2010 , 30, 63-73	4.1	50
77	Therapeutic potential of meso 2,3-dimercaptosuccinic acid or 2,3-dimercaptopropane 1-sulfonate in chronic arsenic intoxication in rats. <i>BioMetals</i> , 1995 , 8, 111-6	3.4	47
76	Neurobehavioral impairments, generation of oxidative stress and release of pro-apoptotic factors after chronic exposure to sulphur mustard in mouse brain. <i>Toxicology and Applied Pharmacology</i> , 2009 , 240, 208-18	4.6	46
75	Preventive and therapeutic effects of thiamine, ascorbic acid and their combination in lead intoxication. <i>Acta Pharmacologica Et Toxicologica</i> , 1986 , 58, 374-8		43
74	Oral co-administration of Elipoic acid, quercetin and captopril prevents gallium arsenide toxicity in rats. <i>Environmental Toxicology and Pharmacology</i> , 2009 , 28, 140-6	5.8	41
73	Oral supplementation of gossypin during lead exposure protects alteration in heme synthesis pathway and brain oxidative stress in rats. <i>Nutrition</i> , 2010 , 26, 563-70	4.8	40
72	Meso 2,3-dimercaptosuccinic acid (DMSA) and monoisoamyl DMSA effect on gallium arsenide induced pathological liver injury in rats. <i>Toxicology Letters</i> , 2002 , 132, 9-17	4.4	39
71	Bacillus sp. strain DJ-1, potent arsenic hypertolerant bacterium isolated from the industrial effluent of India. <i>Journal of Hazardous Materials</i> , 2009 , 166, 1500-5	12.8	37
70	Arsenic antagonism studies with monoisoamyl DMSA and zinc in male mice. <i>Environmental Toxicology and Pharmacology</i> , 2005 , 19, 131-8	5.8	36
69	Beneficial role of monoesters of meso-2,3-dimercaptosuccinic acid in the mobilization of lead and recovery of tissue oxidative injury in rats. <i>Toxicology</i> , 2005 , 214, 39-56	4.4	35
68	Thiamine and zinc in prevention or therapy of lead intoxication. <i>Journal of International Medical Research</i> , 1989 , 17, 68-75	1.4	35
67	Changes in tissue oxidative stress, brain biogenic amines and acetylcholinesterase following co-exposure to lead, arsenic and mercury in rats. <i>Food and Chemical Toxicology</i> , 2015 , 86, 208-16	4.7	34
66	Interaction of zinc, methionine or their combination with lead at gastrointestinal or post-absorptive level in rats. <i>Basic and Clinical Pharmacology and Toxicology</i> , 1991 , 68, 3-7		33
65	Time-dependent protective effect of selenium against cadmium-induced nephrotoxicity and hepatotoxicity. <i>Chemico-Biological Interactions</i> , 1982 , 42, 345-51	5	33
64	Acute oral gallium arsenide exposure and changes in certain hematological, hepatic, renal and immunological indices at different time intervals in male Wistar rats. <i>Toxicology Letters</i> , 1998 , 94, 103-13	4.4	32
63	Monoisoamyl 2,3-dimercaptosuccinic acid attenuates arsenic induced toxicity: behavioral and neurochemical approach. <i>Environmental Toxicology and Pharmacology</i> , 2013 , 36, 231-42	5.8	29

62	Role of selenium in protection against lead intoxication. <i>Acta Pharmacologica Et Toxicologica</i> , 1983 , 53, 28-32		29
61	Biochemical and histopathological changes in arsenic-intoxicated rats coexposed to ethanol. <i>Alcohol</i> , 1997 , 14, 563-8	2.7	28
60	Selenium effects on gallium arsenide induced biochemical and immunotoxicological changes in rats. <i>Chemico-Biological Interactions</i> , 1999 , 122, 1-13	5	27
59	Chelation in metal intoxication XVIII: Combined effects of thiamine and calcium disodium versenate on lead toxicity. <i>Life Sciences</i> , 1986 , 38, 67-71	6.8	26
58	Effects of combined exposure to dichlorvos and monocrotophos on blood and brain biochemical variables in rats. <i>Human and Experimental Toxicology</i> , 2010 , 29, 121-9	3.4	25
57	Cyanide Toxicity and its Treatment 2009 , 255-270		25
56	Chelation in metal intoxication. XXIV: Influence of various components of vitamin B complex on the therapeutic efficacy of disodium calcium versenate in lead intoxication. <i>Basic and Clinical Pharmacology and Toxicology</i> , 1987 , 60, 62-5		25
55	Therapeutic value of Hippophae rhamnoides L. against subchronic arsenic toxicity in mice. <i>Journal of Medicinal Food</i> , 2005 , 8, 353-61	2.8	22
54	Biochemical and immunotoxicological alterations following repeated gallium arsenide exposure and their recoveries by meso-2,3-dimercaptosuccinic acid and 2,3-dimercaptopropane 1-sulfonate administration in rats. <i>Environmental Toxicology and Pharmacology</i> , 1996 , 2, 315-20	5.8	22
53	Effects of combined administration of captopril and DMSA on arsenite induced oxidative stress and blood and tissue arsenic concentration in rats. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2007 , 144, 372-9	3.2	21
52	Combined exposure to lead and ethanol on tissue concentration of essential metals and some biochemical indices in rat. <i>Biological Trace Element Research</i> , 1991 , 28, 157-64	4.5	20
51	Nutritional management can assist a significant role in alleviation of arsenicosis. <i>Journal of Trace Elements in Medicine and Biology</i> , 2018 , 45, 11-20	4.1	19
50	Influence of simultaneous supplementation of zinc and copper during chelation of lead in rats. <i>Human and Experimental Toxicology</i> , 1991 , 10, 331-6	3.4	19
49	Effects of meso-2,3-dimercaptosuccinic acid or 2,3-dimercaptopropane 1-sulfonate on beryllium-induced biochemical alterations and metal concentration in male rats. <i>Toxicology</i> , 1995 , 95, 167-75	4.4	18
48	Therapeutic Efficacy of a Few Diesters of Meso 2,3-Dimercaptosuccinic Acid during Sub-Chronic Arsenic Intoxication in Rats. <i>Journal of Occupational Health</i> , 1997 , 39, 119-123	2.3	17
47	Changes in certain hematological and physiological variables following single gallium arsenide exposure in rats. <i>Biological Trace Element Research</i> , 1997 , 58, 197-208	4.5	17
46	Effects of zinc supplementation during chelating agent administration in cadmium intoxication in rats. <i>Journal of Applied Toxicology</i> , 1998 , 18, 357-62	4.1	16
45	Mobilization and distribution of beryllium over the course of chelation therapy with some polyaminocarboxylic acids in the rat. <i>Human and Experimental Toxicology</i> , 1993 , 12, 19-24	3.4	16

44	Dose and time effects of combined exposure to lead and ethanol on lead body burden and some neuronal, hepatic and haematopoietic biochemical indices in the rat. <i>Journal of Applied Toxicology</i> , 1989 , 9, 347-52	4.1	16
43	Combinatorial drug delivery strategy employing nano-curcumin and nano-MiADMSA for the treatment of arsenic intoxication in mouse. <i>Chemico-Biological Interactions</i> , 2018 , 286, 78-87	5	15
42	Effect of single gallium arsenide exposure on some biochemical variables in porphyrin metabolism in rats. <i>Journal of Applied Toxicology</i> , 1992 , 12, 333-4	4.1	15
41	Combined Efficacy of Gallic Acid and MiADMSA with Limited Beneficial Effects Over MiADMSA Against Arsenic-induced Oxidative Stress in Mouse. <i>Biochemistry Insights</i> , 2015 , 8, 1-10	3.8	14
40	Biochemical changes and essential metals concentration in lead-intoxicated rats pre-exposed to ethanol. <i>Alcohol</i> , 1992 , 9, 241-5	2.7	14
39	Influence of dietary supplementation with thiamine on lead intoxication in rats. <i>Biological Trace Element Research</i> , 1986 , 10, 137-44	4.5	13
38	Impact of chronic low dose exposure of monocrotophos in rat brain: Oxidative/ nitrosative stress, neuronal changes and cholinesterase activity. <i>Toxicology Reports</i> , 2019 , 6, 1295-1303	4.8	13
37	Efficacy of some antioxidants supplementation in reducing oxidative stress post sodium tungstate exposure in male wistar rats. <i>Journal of Trace Elements in Medicine and Biology</i> , 2014 , 28, 233-239	4.1	12
36	Combined administration of selenium and meso-2, 3-dimercaptosuccinic acid on arsenic mobilization and tissue oxidative stress in chronic arsenic-exposed male rats. <i>Indian Journal of Pharmacology</i> , 2007 , 39, 107	2.5	12
35	Gallic acid and MiADMSA reversed arsenic induced oxidative/nitrosative damage in rat red blood cells. <i>Heliyon</i> , 2020 , 6, e03431	3.6	11
34	Similarities in diesel exhaust particles induced alterations in expression of cytochrome P-450 and glutathione S-transferases in rat lymphocytes and lungs. <i>Xenobiotica</i> , 2012 , 42, 624-32	2	10
33	Dose-dependent effects of zinc supplementation during chelation of lead in rats. <i>Basic and Clinical Pharmacology and Toxicology</i> , 1994 , 74, 330-3		10
32	Effect of nicotine pretreatment on arsenic-induced oxidative stress in male Wistar rats. <i>Human and Experimental Toxicology</i> , 2013 , 32, 972-82	3.4	9
31	Monensin potentiates lead chelation efficacy of MiADMSA in rat brain post chronic lead exposure. <i>Food and Chemical Toxicology</i> , 2012 , 50, 4449-60	4.7	9
30	Toxicological evaluation of 1-chloroacetophenone and dibenz[b,f]-1,4-oxazepine after repeated inhalation exposure in mice. <i>Journal of Applied Toxicology</i> , 1994 , 14, 411-6	4.1	9
29	Effects of multiple gallium arsenide exposure on some biochemical alterations in rat brain. <i>Industrial Health</i> , 1994 , 32, 247-52	2.5	9
28	Alterations in some hepatic biochemical variables following repeated gallium arsenide administration in rats. <i>International Hepatology Communications</i> , 1996 , 5, 97-103		8
27	Nickel-selenium interaction-time dependent biochemical alterations and metal decorporation in rats. <i>Chemico-Biological Interactions</i> , 1990 , 75, 341-7	5	8

26	Effects of some thiol chelators on enzymatic activities in blood, liver and kidneys of acute arsenic (III) exposed mice. <i>Biomedical and Environmental Sciences</i> , 1998 , 11, 38-45	1.1	8
25	MiADMSA ameliorate arsenic induced urinary bladder carcinogenesis in vivo and in vitro. <i>Biomedicine and Pharmacotherapy</i> , 2020 , 128, 110257	7.5	7
24	Influence of zinc-saccharide complexes on some haematological parameters in rats. <i>BioMetals</i> , 1997 , 10, 337-41	3.4	7
23	Immunomodulation following zinc supplementation during chelation of lead in male rats. <i>BioMetals</i> , 1994 , 7, 41-4	3.4	7
22	Beryllium-induced biochemical alterations and their prevention following co-administration of meso-2,3-dimercaptosuccinic acid or 2,3-dimercaptopropane sulphonate in rats. <i>Journal of Applied Toxicology</i> , 1994 , 14, 263-7	4.1	7
21	Toxicology of Gallium Arsenide: An Appraisal .. <i>Defence Science Journal</i> , 1994 , 44, 5-10	1.4	7
20	Preventive effects of sodium molybdate in lead intoxication in rats. <i>Ecotoxicology and Environmental Safety</i> , 1993 , 26, 133-7	7	6
19	MiADMSA abrogates chronic copper-induced hepatic and immunological changes in Sprague Dawley rats. <i>Food and Chemical Toxicology</i> , 2020 , 145, 111692	4.7	6
18	The Applications, Neurotoxicity, and Related Mechanism of Gold Nanoparticles 2017 , 179-203		5
17	Hepatic and renal metallothionein induction following single oral administration of gallium arsenide in rats. <i>IUBMB Life</i> , 1998 , 45, 1121-7	4.7	5
16	Therapeutic efficacy of dimercaptosuccinic acid and thiamine/ascorbic acid on lead intoxication in rats. <i>Bulletin of Environmental Contamination and Toxicology</i> , 1989 , 43, 705-12	2.7	5
15	Chelation in metal intoxication XXI: Chelation in lead intoxication during vitamin B complex deficiency. <i>Bulletin of Environmental Contamination and Toxicology</i> , 1986 , 37, 317-25	2.7	5
14	Chelation in metal intoxication. XIV. Comparative effect of thiol and amino chelators on lead-poisoned rats with normal or damaged kidneys. <i>Toxicology and Applied Pharmacology</i> , 1985 , 79, 204-10	4.6	5
13	Prevention of lead intoxication by vitamin-B complex. <i>Zeitschrift Für Die Gesamte Hygiene Und Ihre Grenzgebiete</i> , 1984 , 30, 409-11		5
12	Comparative efficacy of Nano and Bulk Monoisomyl DMSA against arsenic-induced neurotoxicity in rats. <i>Biomedicine and Pharmacotherapy</i> , 2020 , 132, 110871	7.5	5
11	MiADMSA minimizes arsenic induced bone degeneration in Sprague Dawley rats. <i>Emerging Contaminants</i> , 2020 , 6, 204-211	5.8	4
10	Influence of vitamin B-complex deficiency on lead intoxication in young rats. <i>Indian Journal of Medical Research</i> , 1984 , 80, 444-8	2.9	4
9	Therapeutic profile of T11TS vs. T11TS+MiADMSA: a hunt for a more effective therapeutic regimen for arsenic exposure. <i>Asian Pacific Journal of Cancer Prevention</i> , 2012 , 13, 2943-8	1.7	4

8	Dose dependent changes in oxidative stress, hematological variables, tissue pathology, and apoptosis following chronic sodium tungstate exposure in rats. <i>Medicine in Drug Discovery</i> , 2020 , 6, 100045	7.5	3
7	Effects of thiamin and methionine administration in preventing cadmium-induced biochemical alterations and metal concentration in male rats. <i>Journal of Trace Elements in Medicine and Biology</i> , 1998 , 12, 86-90	4.1	3
6	Advances in the Development of Reactivators for the Treatment of Organophosphorus Inhibited Cholinesterase. <i>Current Organic Chemistry</i> , 2020 , 24, 2845-2864	1.7	3
5	Chelation Therapy 2013 , 987-1013		1
4	Influence of dietary deficiency of nicotinamide on lead toxicity in young rats. <i>Biological Trace Element Research</i> , 1987 , 14, 143-51	4.5	1
3	Potential Epigenetic Targets for Combating Alzheimer's Disease. <i>Mini-Reviews in Medicinal Chemistry</i> , 2021 , 21, 1527-1540	3.2	1
2	New Approaches in Sensing and Targeting Bacterial rRNA A-site. <i>Medicinal Chemistry</i> , 2021 , 17, 299-309	1.8	0
1	Arsenic, cadmium, and lead 2022 , 547-571		