S J Flora

List of Publications by Year
in descending order

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247 papers	11,040 citations	31949 53 h-index	42364 92 g-index
255 all docs	255 docs citations	255 times ranked	9945 citing authors

#	Article	IF	Citations
1	Chelation in Metal Intoxication. International Journal of Environmental Research and Public Health, 2010, 7, 2745-2788.	1.2	709
2	Arsenic-induced oxidative stress and its reversibility. Free Radical Biology and Medicine, 2011, 51, 257-281.	1.3	677
3	Structural, Chemical and Biological Aspects of Antioxidants for Strategies Against Metal and Metalloid Exposure. Oxidative Medicine and Cellular Longevity, 2009, 2, 191-206.	1.9	445
4	ARSENIC-INDUCED OXIDATIVE STRESS AND ITS REVERSIBILITY FOLLOWING COMBINED ADMINISTRATION OF N-ACETYLCYSTEINE AND MESO 2,3-DIMERCAPTOSUCCINIC ACID IN RATS. Clinical and Experimental Pharmacology and Physiology, 1999, 26, 865-869.	0.9	245
5	Strategies for Safe and Effective Therapeutic Measures for Chronic Arsenic and Lead Poisoning. Journal of Occupational Health, 2005, 47, 1-21.	1.0	237
6	Heavy metal induced oxidative stress & its possible reversal by chelation therapy. Indian Journal of Medical Research, 2008, 128, 501-23.	0.4	208
7	Lead induced oxidative damage and its response to combined administration of Î±-lipoic acid and succimers in rats. Toxicology, 2002, 177, 187-196.	2.0	196
8	Fluoride in Drinking Water and Skeletal Fluorosis: a Review of the Global Impact. Current Environmental Health Reports, 2020, 7, 140-146.	3.2	191
9	Nanotechnology in Wastewater Management: A New Paradigm Towards Wastewater Treatment. Molecules, 2021, 26, 1797.	1.7	158
10	Effects of sub-acute exposure to TiO₂, ZnO and Al₂O₃nanoparticles on oxidative stress and histological changes in mouse liver and brain. Drug and Chemical Toxicology, 2014, 37, 336-347.	1.2	157
11	Nanotechnology: A Promising Approach for Delivery of Neuroprotective Drugs. Frontiers in Neuroscience, 2020, 14, 494.	1.4	156
12	Arsenic induced blood and brain oxidative stress and its response to some thiol chelators in rats. Life Sciences, 2005, 77, 2324-2337.	2.0	151
13	Reversal of Lead-Induced Neuronal Apoptosis by Chelation Treatment in Rats: Role of Reactive Oxygen Species and Intracellular Ca2+. Journal of Pharmacology and Experimental Therapeutics, 2007, 322, 108-116.	1.3	148
14	Beneficial effect of combined administration of some naturally occurring antioxidants (vitamins) and thiol chelators in the treatment of chronic lead intoxication. Chemico-Biological Interactions, 2003, 145, 267-280.	1.7	124
15	Arsenic induced oxidative stress and the role of antioxidant supplementation during chelation: a review. Journal of Environmental Biology, 2007, 28, 333-47.	0.2	124
16	Effects of individual and combined exposure to sodium arsenite and sodium fluoride on tissue oxidative stress, arsenic and fluoride levels in male mice. Chemico-Biological Interactions, 2006, 162, 128-139.	1.7	120
17	Curcumin encapsulated in chitosan nanoparticles: A novel strategy for the treatment of arsenic toxicity. Chemico-Biological Interactions, 2012, 199, 49-61.	1.7	120
18	Role of free radicals and antioxidants in health and disease. Cellular and Molecular Biology, 2007, 53, 1-2.	0.3	114

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19	Concomitant administration of Moringa oleifera seed powder in the remediation of arsenic-induced oxidative stress in mouse. Cell Biology International, 2007, 31, 44-56.	1.4	110
20	Therapeutic efficacy of silymarin and naringenin in reducing arsenic-induced hepatic damage in young rats. Ecotoxicology and Environmental Safety, 2011, 74, 607-614.	2.9	106
21	Co-exposure to arsenic and fluoride on oxidative stress, glutathione linked enzymes, biogenic amines and DNA damage in mouse brain. Journal of the Neurological Sciences, 2009, 285, 198-205.	0.3	105
22	Therapeutic effects of Moringa oleifera on arsenic-induced toxicity in rats. Environmental Toxicology and Pharmacology, 2005, 20, 456-464.	2.0	102
23	Environmental occurrence, health effects and management of lead poisoning. , 2006, , 158-228.		98
24	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. Fundamental and Applied Toxicology, 1995, 25, 233-240.	1.9	97
25	Lead-induced oxidative stress and hematological alterations and their response to combined administration of calcium disodium EDTA with a thiol chelator in rats. Journal of Biochemical and Molecular Toxicology, 2004, 18, 221-233.	1.4	95
26	Reversal of Arsenic-Induced Hepatic Apoptosis with Combined Administration of DMSA and Its Analogues in Guinea Pigs: Role of Glutathione and Linked Enzymes. Chemical Research in Toxicology, 2008, 21, 400-407.	1.7	95
27	Oxidative stress following exposure to silver and gold nanoparticles in mice. Toxicology and Industrial Health, 2016, 32, 1391-1404.	0.6	93
28	Effects of fluoride on the tissue oxidative stress and apoptosis in rats: Biochemical assays supported by IR spectroscopy data. Toxicology, 2008, 254, 61-67.	2.0	92
29	Vitamin E Supplementation Protects Oxidative Stress During Arsenic and Fluoride Antagonism in Male Mice. Drug and Chemical Toxicology, 2007, 30, 263-281.	1.2	90
30	Nutritional Components Modify Metal Absorption, Toxic Response and Chelation Therapy. Journal of Nutritional and Environmental Medicine, 2002, 12, 53-67.	0.1	89
31	Toxic Effects of Arsenic (III) on Some Hematopoietic and Central Nervous System Variables in Rats and Guinea Pigs. Journal of Toxicology: Clinical Toxicology, 2001, 39, 675-682.	1.5	87
32	Possible role of metal redistribution, hepatotoxicity and oxidative stress in chelating agents induced hepatic and renal metallothionein in rats. Food and Chemical Toxicology, 2001, 39, 1029-1038.	1.8	86
33	Combined administration of a chelating agent and an antioxidant in the prevention and treatment of acute lead intoxication in rats. Environmental Toxicology and Pharmacology, 2001, 9, 173-184.	2.0	82
34	Arsenic-induced changes in certain neurotransmitter levels and their recoveries following chelation in rat whole brain. Toxicology Letters, 1997, 92, 201-208.	0.4	79
35	Effect ofCentella asiatica on arsenic induced oxidative stress and metal distribution in rats. Journal of Applied Toxicology, 2006, 26, 213-222.	1.4	79
36	Chemistry and Pharmacological Properties of Some Natural and Synthetic Antioxidants for Heavy Metal Toxicity. Current Medicinal Chemistry, 2013, 20, 4540-4574.	1.2	78

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37	Chronic arsenic poisoning in the rat: treatment with combined administration of succimers and an antioxidant. Ecotoxicology and Environmental Safety, 2004, 58, 37-43.	2.9	76
38	Response of lead-induced oxidative stress and alterations in biogenic amines in different rat brain regions to combined administration of DMSA and MiADMSA. Chemico-Biological Interactions, 2007, 170, 209-220.	1.7	75
39	Combined Administration of Taurine and Monoisoamyl Dmsa Protects Arsenic Induced Oxidative Injury in Rats. Oxidative Medicine and Cellular Longevity, 2008, 1, 39-45.	1.9	71
40	Response of arsenic-induced oxidative stress, DNA damage, and metal imbalance to combined administration of DMSA and monoisoamyl-DMSA during chronic arsenic poisoning in rats. Cell Biology and Toxicology, 2007, 23, 91-104.	2.4	69
41	Combined administration of oxalic acid, succimer and its analogue for the reversal of gallium arsenide-induced oxidative stress in rats. Archives of Toxicology, 2002, 76, 269-276.	1.9	67
42	MiADMSA reverses impaired mitochondrial energy metabolism and neuronal apoptotic cell death after arsenic exposure in rats. Toxicology and Applied Pharmacology, 2011, 256, 241-248.	1.3	66
43	Molecular Mechanism of Arsenic-Induced Neurotoxicity including Neuronal Dysfunctions. International Journal of Molecular Sciences, 2021, 22, 10077.	1.8	66
44	Prevention of arsenic-induced hepatic apoptosis by concomitant administration of garlic extracts in mice. Chemico-Biological Interactions, 2009, 177, 227-233.	1.7	65
45	Beneficial effects of zinc supplementation during chelation treatment of lead intoxication in rats. Toxicology, 1990, 64, 129-139.	2.0	62
46	Differential oxidative stress and DNA damage in rat brain regions and blood following chronic arsenic exposure. Toxicology and Industrial Health, 2008, 24, 247-256.	0.6	62
47	Concomitant exposure to arsenic and organophosphates on tissue oxidative stress in rats. Food and Chemical Toxicology, 2011, 49, 1152-1159.	1.8	62
48	Fluorideâ€induced changes in haem biosynthesis pathway, neurological variables and tissue histopathology of rats. Journal of Applied Toxicology, 2010, 30, 63-73.	1.4	61
49	Nanocrystals: An Overview of Fabrication, Characterization and Therapeutic Applications in Drug Delivery. Current Pharmaceutical Design, 2019, 24, 5129-5146.	0.9	60
50	Co-administration of zinc and n-acetylcysteine prevents arsenic-induced tissue oxidative stress in male rats. Journal of Trace Elements in Medicine and Biology, 2006, 20, 197-204.	1.5	59
51	A possible mechanism for combined arsenic and fluoride induced cellular and DNA damage in mice. Metallomics, 2012, 4, 78-90.	1.0	59
52	Effect of combined exposure to lead and ethanol on some biochemical indices in the rat. Biochemical Pharmacology, 1987, 36, 537-541.	2.0	57
53	Quercetin Administration During Chelation Therapy Protects Arsenic-Induced Oxidative Stress in Mice. Biological Trace Element Research, 2008, 122, 137-147.	1.9	57
54	Monoisoamyl dimercaptosuccinic acid abrogates arsenic-induced developmental toxicity in human embryonic stem cell-derived embryoid bodies: Comparison with in vivo studies. Biochemical Pharmacology, 2009, 78, 1340-1349.	2.0	57

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55	Therapeutic potential of meso 2,3-dimercaptosuccinic acid or 2,3-dimercaptopropane 1-sulfonate in chronic arsenic intoxication in rats. BioMetals, 1995, 8, 111-6.	1.8	56
56	Arsenic moiety in gallium arsenide is responsible for neuronal apoptosis and behavioral alterations in rats. Toxicology and Applied Pharmacology, 2009, 240, 236-244.	1.3	55
57	Oral supplementation of gossypin during lead exposure protects alteration in heme synthesis pathway and brain oxidative stress in rats. Nutrition, 2010, 26, 563-570.	1.1	54
58	Arsenic induced neuronal apoptosis in guinea pigs is Ca2+ dependent and abrogated by chelation therapy: Role of voltage gated calcium channels. NeuroToxicology, 2013, 35, 137-145.	1.4	53
59	Therapeutic potential of monoisoamyl and monomethyl esters of meso 2,3-dimercaptosuccinic acid in gallium arsenide intoxicated rats. Toxicology, 2004, 195, 127-146.	2.0	51
60	Neurobehavioral impairments, generation of oxidative stress and release of pro-apoptotic factors after chronic exposure to sulphur mustard in mouse brain. Toxicology and Applied Pharmacology, 2009, 240, 208-218.	1.3	51
61	Preventive and Therapeutic Effects of Thiamine, Ascorbic Acid and Their Combination in Lead Intoxication. Acta Pharmacologica Et Toxicologica, 1986, 58, 374-378.	0.0	48
62	Oral co-administration of Î±-lipoic acid, quercetin and captopril prevents gallium arsenide toxicity in rats. Environmental Toxicology and Pharmacology, 2009, 28, 140-146.	2.0	48
63	Bacillus sp. strain DJ-1, potent arsenic hypertolerant bacterium isolated from the industrial effluent of India. Journal of Hazardous Materials, 2009, 166, 1500-1505.	6.5	47
64	Beneficial effects ofCentella asiatica aqueous extract against arsenic-induced oxidative stress and essential metal status in rats. Phytotherapy Research, 2007, 21, 980-988.	2.8	46
65	Alpha-lipoic acid protects oxidative stress, changes in cholinergic system and tissue histopathology during co-exposure to arsenic-dichlorvos in rats. Environmental Toxicology and Pharmacology, 2014, 37, 7-23.	2.0	46
66	Arsenic and fluoride: two major ground water pollutants. Indian Journal of Experimental Biology, 2010, 48, 666-78.	0.5	46
67	Protective value ofAloe vera against some toxic effects of arsenic in rats. Phytotherapy Research, 2005, 19, 23-28.	2.8	45
68	Combinational chelation therapy abrogates lead-induced neurodegeneration in rats. Toxicology and Applied Pharmacology, 2009, 240, 255-264.	1.3	45
69	Advances in Multi-Functional Ligands and the Need for Metal-Related Pharmacology for the Management of Alzheimer Disease. Frontiers in Pharmacology, 2018, 9, 1247.	1.6	45
70	Protective role of trace metals in lead intoxication. Toxicology Letters, 1982, 13, 51-56.	0.4	43
71	Changes in tissue oxidative stress, brain biogenic amines and acetylcholinesterase following co-exposure to lead, arsenic and mercury in rats. Food and Chemical Toxicology, 2015, 86, 208-216.	1.8	43
72	Neurological Manifestations in COVID-19 Patients: A Meta-Analysis. ACS Chemical Neuroscience, 2021, 12, 2776-2797.	1.7	43

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73	Meso 2,3-dimercaptosuccinic acid (DMSA) and monoisoamyl DMSA effect on gallium arsenide induced pathological liver injury in rats. Toxicology Letters, 2002, 132, 9-17.	0.4	42
74	Beneficial role of monoesters of meso-2,3-dimercaptosuccinic acid in the mobilization of lead and recovery of tissue oxidative injury in rats. Toxicology, 2005, 214, 39-56.	2.0	42
75	Time-dependent protective effect of selenium against cadmium-induced nephrotoxicity and hepatotoxicity. Chemico-Biological Interactions, 1982, 42, 345-351.	1.7	41
76	Thiamine and Zinc in Prevention or Therapy of Lead Intoxication. Journal of International Medical Research, 1989, 17, 68-75.	0.4	41
77	Aluminum-induced oxidative stress in rat brain: response to combined administration of citric acid and HEDTA. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2003, 134, 319-328.	1.3	41
78	Arsenic antagonism studies with monoisoamyl DMSA and zinc in male mice. Environmental Toxicology and Pharmacology, 2005, 19, 131-138.	2.0	41
79	Selenium nanoparticles: An insight on its Pro-oxidant and antioxidant properties. Frontiers in Nanoscience and Nanotechnology, 2019, 6, .	0.3	39
80	Role of Selenium in Protection against Lead Intoxication. Acta Pharmacologica Et Toxicologica, 1983, 53, 28-32.	0.0	38
81	Ferroptosis: A potential therapeutic target for neurodegenerative diseases. Journal of Biochemical and Molecular Toxicology, 2021, 35, e22830.	1.4	38
82	Arsenic and lead induced free radical generation and their reversibility following chelation. Cellular and Molecular Biology, 2007, 53, 26-47.	0.3	38
83	Protective Effects of Selenium, Calcium, and Magnesium Against Arsenic-Induced Oxidative Stress in Male Rats. Arhiv Za Higijenu Rada I Toksikologiju, 2010, 61, 153-159.	0.4	37
84	Lead and Ethanol Co-Exposure Lead to Blood Oxidative Stress and Subsequent Neuronal Apoptosis in Rats. Alcohol and Alcoholism, 2012, 47, 92-101.	0.9	37
85	Interaction of Zinc, Methionine or Their Combination with Lead at Gastrointestinal or Postâ€Absorptive Level in Rats. Basic and Clinical Pharmacology and Toxicology, 1991, 68, 3-7.	0.0	36
86	Combined administration of taurine and meso 2,3â€“dimercaptosuccinic acid in the treatment of chronic lead intoxication in rats. Human and Experimental Toxicology, 2004, 23, 157-166.	1.1	36
87	Monoisoamyl dimercaptosuccinic acid induced changes in pregnant female rats during late gestation and lactation. Reproductive Toxicology, 2006, 21, 94-103.	1.3	36
88	Monoisoamyl 2,3-dimercaptosuccinic acid attenuates arsenic induced toxicity: Behavioral and neurochemical approach. Environmental Toxicology and Pharmacology, 2013, 36, 231-242.	2.0	36
89	Positive and Negative Regulation of Ferroptosis and Its Role in Maintaining Metabolic and Redox Homeostasis. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-13.	1.9	36
90	Optimization of Surfactant- and Cosurfactant-Aided Pine Oil Nanoemulsions by Isothermal Low-Energy Methods for Anticholinesterase Activity. ACS Omega, 2021, 6, 559-568.	1.6	36

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91	Biochemical and Immunotoxicological Evaluation of Metal Chelating Drugs in Rats. Drug Investigation, 1993, 5, 269-273.	0.6	35
92	Acute oral gallium arsenide exposure and changes in certain hematological, hepatic, renal and immunological indices at different time intervals in male Wistar rats. Toxicology Letters, 1998, 94, 103-113.	0.4	35
93	Haematological, hepatic and renal alterations after repeated oral or intraperitoneal administration of monoisoamyl DMSA. I. Changes in male rats. Journal of Applied Toxicology, 2002, 22, 359-369.	1.4	35
94	Biochemical and histopathological changes in arsenic-intoxicated rats coexposed to ethanol. Alcohol, 1997, 14, 563-568.	0.8	34
95	Effects of combined exposure to dichlorvos and monocrotophos on blood and brain biochemical variables in rats. Human and Experimental Toxicology, 2010, 29, 121-129.	1.1	34
96	Monoisoamyl 2, 3â€Dimercaptosuccinic Acid (MiADMSA) Demonstrates Higher Efficacy by Oral Route in Reversing Arsenic Toxicity: A Pharmacokinetic Approach. Basic and Clinical Pharmacology and Toxicology, 2012, 110, 449-459.	1.2	34
97	Isolation, identification and characterization of fluoride resistant bacteria: Possible role in bioremediation. Applied Biochemistry and Microbiology, 2012, 48, 43-50.	0.3	33
98	Arsenic, Cadmium, and Lead. , 2017, , 537-566.		33
99	Selenium effects on gallium arsenide induced biochemical and immunotoxicological changes in rats. Chemico-Biological Interactions, 1999, 122, 1-13.	1.7	32
100	Haematological, hepatic and renal alterations after repeated oral and intraperitoneal administration of monoisoamyl DMSA. II. Changes in female rats. Journal of Applied Toxicology, 2003, 23, 97-102.	1.4	32
101	Protective effects of fruit extracts of Hippophae rhamnoides L. against arsenic toxicity in Swiss albino mice. Human and Experimental Toxicology, 2006, 25, 285-295.	1.1	31
102	Arsenic accumulation by Pseudomonas stutzeri and its response to some thiol chelators. Environmental Health and Preventive Medicine, 2008, 13, 257-263.	1.4	31
103	Arsenic, cadmium and lead. , 2011, , 415-438.		31
104	Combined Administration of N-Acetylcysteine and Monoisoamyl DMSA on Tissue Oxidative Stress During Arsenic Chelation Therapy. Biological Trace Element Research, 2006, 110, 43-60.	1.9	30
105	Cyanide Toxicity and its Treatment. , 2009, , 255-270.		30
106	Heavy Metal-Induced Cerebral Small Vessel Disease: Insights into Molecular Mechanisms and Possible Reversal Strategies. International Journal of Molecular Sciences, 2020, 21, 3862.	1.8	30
107	Chelation in metal intoxication XVIII: Combined effects of thiamine and calcium disodium versenate on dead toxicity. Life Sciences, 1986, 38, 67-71.	2.0	28
108	Chelation in Metal Intoxication XXIV: Influence of Various Components of Vitamin B Complex on the Therapeutic Efficacy of Disodium Calcium Versenate in Lead Intoxication. Basic and Clinical Pharmacology and Toxicology, 1987, 60, 62-65.	0.0	28

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109	Possible Health Hazards Associated with the Use of Toxic Metals in Semiconductor Industries. Journal of Occupational Health, 2000, 42, 105-110.	1.0	28
110	Effects of combined administration of captopril and DMSA on arsenite induced oxidative stress and blood and tissue arsenic concentration in rats. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2007, 144, 372-379.	1.3	28
111	Co-Administration of Monoisoamyl Dimercaptosuccinic Acid andMoringa OleiferaSeed Powder Protects Arsenic-Induced Oxidative Stress and Metal Distribution in Mice. Toxicology Mechanisms and Methods, 2009, 19, 169-182.	1.3	28
112	Changes in brain biogenic amines and haem biosynthesis and their response to combined administration of succimers and Centella asiatica in lead poisoned rats. Journal of Pharmacy and Pharmacology, 2010, 58, 547-559.	1.2	28
113	Interactive effect of arsenic and fluoride on cardio-respiratory disorders in male rats: possible role of reactive oxygen species. BioMetals, 2011, 24, 615-628.	1.8	28
114	Lead exposure: health effects, prevention and treatment. Journal of Environmental Biology, 2002, 23, 25-41.	0.2	28
115	Sodium tungstate induced neurological alterations in rat brain regions and their response to antioxidants. Food and Chemical Toxicology, 2015, 82, 64-71.	1.8	27
116	Arsenic and dichlorvos: Possible interaction between two environmental contaminants. Journal of Trace Elements in Medicine and Biology, 2016, 35, 43-60.	1.5	27
117	Nutritional management can assist a significant role in alleviation of arsenicosis. Journal of Trace Elements in Medicine and Biology, 2018, 45, 11-20.	1.5	27
118	Lead induced disorders in hematopoietic and drug metabolizing enzyme system and their protection by ascorbic acid supplementation. Biomedical and Environmental Sciences, 1998, 11, 7-14.	0.2	27
119	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. Environmental Toxicology and Pharmacology, 1996, 2, 315-320.	2.0	26
120	Protective efficacy of 2-PAMCl, atropine and curcumin against dichlorvos induced toxicity in rats. Interdisciplinary Toxicology, 2012, 5, 1-8.	1.0	26
121	Effects of Combined Exposure to Aluminium and Ethanol on Aluminium Body Burden and some Neuronal, Hepatic and Haematopoietic Biochemical Variables in the Rat. Human and Experimental Toxicology, 1991, 10, 45-48.	1.1	25
122	Therapeutic Value of Hippophae rhamnoides L. Against Subchronic Arsenic Toxicity in Mice. Journal of Medicinal Food, 2005, 8, 353-361.	0.8	25
123	Arsenic hyper-tolerance in four Microbacterium species isolated from soil contaminated with textile effluent. Toxicology International, 2012, 19, 188.	0.1	24
124	Combined exposure to lead and ethanol on tissue concentration of essential metals and some biochemical indices in rat. Biological Trace Element Research, 1991, 28, 157-164.	1.9	23
125	Chronic copper exposure elicit neurotoxic responses in rat brain: Assessment of 8-hydroxy-2-deoxyguanosine activity, oxidative stress and neurobehavioral parameters. Cellular and Molecular Biology, 2019, 65, 27-35.	0.3	23
126	Combined administration of iron and monoisoamyl-DMSA in the treatment of chronic arsenic intoxication in mice. Cell Biology and Toxicology, 2007, 23, 429-443.	2.4	22

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127	Essential Metal Status, Prooxidant/Antioxidant Effects of MiADMSA in Male Rats: Age-related Effects. Biological Trace Element Research, 2007, 120, 235-247.	1.9	22
128	Coâ€administration of meso 2,3â€dimercaptosuccinic acid monoesters reduces arsenic concentration and oxidative stress in gallium arsenide exposed rats. Clinical and Experimental Pharmacology and Physiology, 2011, 38, 423-429.	0.9	22
129	Combined Efficacy of Gallic Acid and MiADMSA with Limited Beneficial Effects over MiADMSA against Arsenic-induced Oxidative Stress in Mouse. Biochemistry Insights, 2015, 8, BCI.S30505.	3.3	22
130	Combinatorial drug delivery strategy employing nano -curcumin and nano -MiADMSA for the treatment of arsenic intoxication in mouse. Chemico-Biological Interactions, 2018, 286, 78-87.	1.7	22
131	Influence of Simultaneous Supplementation of Zinc and Copper During Chelation of Lead in Rats. Human and Experimental Toxicology, 1991, 10, 331-336.	1.1	21
132	Effects of meso-2,3-dimercaptosuccinic acid or 2,3-dimercaptopropane 1-sulfonate on beryllium-induced biochemical alterations and metal concentration in male rats. Toxicology, 1995, 95, 167-175.	2.0	21
133	Effects of co-exposure to arsenic and dichlorvos on glutathione metabolism, neurological, hepatic variables and tissue histopathology in rats. Toxicology Research, 2014, 3, 23-31.	0.9	21
134	Impact of chronic low dose exposure of monocrotophos in rat brain: Oxidative/ nitrosative stress, neuronal changes and cholinesterase activity. Toxicology Reports, 2019, 6, 1295-1303.	1.6	21
135	Nanotechnological approaches for targeting amyloid-Î² aggregation with potential for neurodegenerative disease therapy and diagnosis. Drug Discovery Today, 2021, 26, 1972-1979.	3.2	21
136	Therapeutic Efficacy of a Few Diesters of Meso 2,3â€Dimercaptosuccinic Acid during Subâ€Chronic Arsenic Intoxication in Rats. Journal of Occupational Health, 1997, 39, 119-123.	1.0	20
137	Changes in certain hematological and physiological variables following single gallium arsenide exposure in rats. Biological Trace Element Research, 1997, 58, 197-208.	1.9	20
138	Effects of sodium tungstate on oxidative stress enzymes in rats. Toxicology Mechanisms and Methods, 2013, 23, 519-527.	1.3	20
139	Chronic Arsenic Poisoning Following Ayurvedic Medication. Journal of Medical Toxicology, 2014, 10, 395-398.	0.8	20
140	Lead induced oxidative stress and its recovery following co-administration of melatonin or N-acetylcysteine during chelation with succimer in male rats. Cellular and Molecular Biology, 2004, 50 Online Pub, OL543-51.	0.3	20
141	Mobilization and Distribution of Beryllium Over the Course of Chelation Therapy with Some Polyaminocarboxylic Acids in the Rat. Human and Experimental Toxicology, 1993, 12, 19-24.	1.1	19
142	Effects of zinc supplementation during chelating agent administration in cadmium intoxication in rats. , 1998, 18, 357-362.		19
143	Nanoencapsulation of DMSA monoester for better therapeutic efficacy of the chelating agent against arsenic toxicity. Nanomedicine, 2014, 9, 465-481.	1.7	19
144	Gallic acid and MiADMSA reversed arsenic induced oxidative/nitrosative damage in rat red blood cells. Heliyon, 2020, 6, e03431.	1.4	19

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145	Effect of single gallium arsenide exposure on some biochemical variables in porphyrin metabolism in rats. Journal of Applied Toxicology, 1992, 12, 333-334.	1.4	18
146	Silymarin and quercetin abrogates fluoride induced oxidative stress and toxic effects in rats. Molecular and Cellular Toxicology, 2011, 7, 25-32.	0.8	18
147	Combination therapy with vitamin C and DMSA for arsenicâ€“fluoride co-exposure in rats. Metallomics, 2018, 10, 1291-1306.	1.0	18
148	Comparative oxidative stress, metallothionein induction and organ toxicity following chronic exposure to arsenic, lead and mercury in rats. Cellular and Molecular Biology, 2014, 60, 13-21.	0.3	18
149	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. Journal of Applied Toxicology, 1989, 9, 347-352.	1.4	17
150	Design, synthesis, biological evaluation and molecular docking study of novel pyridoxineâ€“triazoles as anti-Alzheimer's agents. RSC Advances, 2020, 10, 26006-26021.	1.7	17
151	Interaction study of monoisoamyl dimercaptosuccinic acid with bovine serum albumin using biophysical and molecular docking approaches. Scientific Reports, 2021, 11, 4068.	1.6	16
152	Alpha-Lipoic Acid Protects Co-Exposure to Lead and Zinc Oxide Nanoparticles Induced Neuro, Immuno and Male Reproductive Toxicity in Rats. Frontiers in Pharmacology, 2021, 12, 626238.	1.6	16
153	Influence of dietary supplementation with thiamine on lead intoxication in rats. Biological Trace Element Research, 1986, 10, 137-144.	1.9	15
154	Biochemical changes and essential metals concentration in lead-intoxicated rats pre-exposed to ethanol. Alcohol, 1992, 9, 241-245.	0.8	15
155	Co-administration of Î±-Lipoic Acid and Vitamin C Protects Liver and Brain Oxidative Stress in Mice Exposed to Arsenic Contaminated Water. Water Quality, Exposure, and Health, 2009, 1, 135-144.	1.5	15
156	Nanocurcumin Prevents Oxidative Stress Induced following Arsenic and Fluoride Co-exposure in Rats. Defence Life Science Journal, 2016, 1, 69.	0.1	15
157	Arsenic induced inhibition of delta-aminolevulinate dehydratase activity in rat blood and its response to meso 2,3-dimercaptosuccinic acid and monoisoamyl DMSA. Biomedical and Environmental Sciences, 2004, 17, 101-8.	0.2	15
158	Modulation of Ionizing Radiation Induced Oxidative Imbalance by Semi-Fractionated Extract ofPiper betle: An In Vitro and In Vivo Assessment. Oxidative Medicine and Cellular Longevity, 2010, 3, 44-52.	1.9	14
159	Gene expression profiling of candidate genes in peripheral blood mononuclear cells for predicting toxicity of diesel exhaust particles. Free Radical Biology and Medicine, 2014, 67, 188-194.	1.3	14
160	Efficacy of some antioxidants supplementation in reducing oxidative stress post sodium tungstate exposure in male wistar rats. Journal of Trace Elements in Medicine and Biology, 2014, 28, 233-239.	1.5	14
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