

# Riaz Mahmood

## List of Publications by Year in descending order

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46  
papers

859  
citations

430754

18  
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552653

26  
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49  
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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Sodium nitrite-induced oxidative stress causes membrane damage, protein oxidation, lipid peroxidation and alters major metabolic pathways in human erythrocytes. <i>Toxicology in Vitro</i> , 2015, 29, 1878-1886.	1.1	64
2	Copper(II) generates ROS and RNS, impairs antioxidant system and damages membrane and DNA in human blood cells. <i>Environmental Science and Pollution Research</i> , 2019, 26, 20654-20668.	2.7	61
3	Effect of fasting on enzymes of carbohydrate metabolism and brush border membrane in rat intestine. <i>Nutrition Research</i> , 2004, 24, 407-416.	1.3	49
4	Mercury chloride toxicity in human erythrocytes: enhanced generation of ROS and RNS, hemoglobin oxidation, impaired antioxidant power, and inhibition of plasma membrane redox system. <i>Environmental Science and Pollution Research</i> , 2019, 26, 5645-5657.	2.7	49
5	Chemoprotective Effect of Taurine on Potassium Bromate-Induced DNA Damage, DNA-Protein Cross-Linking and Oxidative Stress in Rat Intestine. <i>PLoS ONE</i> , 2015, 10, e0119137.	1.1	42
6	Diminution of Oxidative Damage to Human Erythrocytes and Lymphocytes by Creatine: Possible Role of Creatine in Blood. <i>PLoS ONE</i> , 2015, 10, e0141975.	1.1	39
7	Acute oral dose of sodium nitrite induces redox imbalance, DNA damage, metabolic and histological changes in rat intestine. <i>PLoS ONE</i> , 2017, 12, e0175196.	1.1	28
8	Sodium chlorate, a herbicide and major water disinfectant byproduct, generates reactive oxygen species and induces oxidative damage in human erythrocytes. <i>Environmental Science and Pollution Research</i> , 2017, 24, 1898-1909.	2.7	26
9	Thiram-induced cytotoxicity and oxidative stress in human erythrocytes: an in vitro study. <i>Pesticide Biochemistry and Physiology</i> , 2020, 164, 14-25.	1.6	26
10	Eugenol attenuates TiO <sub>2</sub> nanoparticles-induced oxidative damage, biochemical toxicity and DNA damage in Wistar rats: an in vivo study. <i>Environmental Science and Pollution Research</i> , 2021, 28, 22664-22678.	2.7	26
11	Potassium bromate causes cell lysis and induces oxidative stress in human erythrocytes. <i>Environmental Toxicology</i> , 2014, 29, 138-145.	2.1	25
12	Hexavalent chromium induces reactive oxygen species and impairs the antioxidant power of human erythrocytes and lymphocytes: Decreased metal reducing and free radical quenching ability of the cells. <i>Toxicology and Industrial Health</i> , 2017, 33, 623-635.	0.6	24
13	Acetaldehyde-induced oxidative modifications and morphological changes in isolated human erythrocytes: an in vitro study. <i>Environmental Science and Pollution Research</i> , 2020, 27, 16268-16281.	2.7	23
14	Fluoride enhances generation of reactive oxygen and nitrogen species, oxidizes hemoglobin, lowers antioxidant power and inhibits transmembrane electron transport in isolated human red blood cells. <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111611.	2.9	23
15	Pentachlorophenol-induced cytotoxicity in human erythrocytes: enhanced generation of ROS and RNS, lowered antioxidant power, inhibition of glucose metabolism, and morphological changes. <i>Environmental Science and Pollution Research</i> , 2019, 26, 12985-13001.	2.7	22
16	Cr(VI) Induces Lipid Peroxidation, Protein Oxidation and Alters the Activities of Antioxidant Enzymes in Human Erythrocytes. <i>Biological Trace Element Research</i> , 2011, 144, 426-435.	1.9	21
17	Sodium nitrite enhances generation of reactive oxygen species that decrease antioxidant power and inhibit plasma membrane redox system of human erythrocytes. <i>Cell Biology International</i> , 2016, 40, 887-894.	1.4	20
18	Oral administration of potassium dichromate inhibits brush border membrane enzymes and alters anti-oxidant status of rat intestine. <i>Archives of Toxicology</i> , 2008, 82, 951-958.	1.9	19

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19	3,4-Dihydroxybenzaldehyde quenches ROS and RNS and protects human blood cells from Cr(VI)-induced cytotoxicity and genotoxicity. <i>Toxicology in Vitro</i> , 2018, 50, 293-304.	1.1	19
20	Protective effect of carnosine and N-acetylcysteine against sodium nitrite-induced oxidative stress and DNA damage in rat intestine. <i>Environmental Science and Pollution Research</i> , 2018, 25, 19380-19392.	2.7	17
21	Acute renal toxicity of sodium chlorate: Redox imbalance, enhanced DNA damage, metabolic alterations and inhibition of brush border membrane enzymes in rats. <i>Environmental Toxicology</i> , 2018, 33, 1182-1194.	2.1	17
22	3,4-Dihydroxybenzaldehyde lowers ROS generation and protects human red blood cells from arsenic(III) induced oxidative damage. <i>Environmental Toxicology</i> , 2018, 33, 861-875.	2.1	16
23	Protective effect of catechin on pentachlorophenol-induced cytotoxicity and genotoxicity in isolated human blood cells. <i>Environmental Science and Pollution Research</i> , 2020, 27, 13826-13843.	2.7	16
24	Acute oral dose of sodium nitrite causes redox imbalance and DNA damage in rat kidney. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 3744-3754.	1.2	14
25	Bioallethrin-induced generation of reactive species and oxidative damage in isolated human erythrocytes. <i>Toxicology in Vitro</i> , 2020, 65, 104810.	1.1	13
26	Alterations in brush border membrane enzymes, carbohydrate metabolism and oxidative damage to rat intestine by potassium bromate. <i>Biochimie</i> , 2012, 94, 2776-2782.	1.3	12
27	Sodium Nitrate Induces Reactive Oxygen Species That Lower the Antioxidant Power, Damage the Membrane, and Alter Pathways of Glucose Metabolism in Human Erythrocytes. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 10372-10379.	2.4	12
28	Taurine attenuates Cr(VI)-induced cellular and DNA damage: an in vitro study using human erythrocytes and lymphocytes. <i>Amino Acids</i> , 2020, 52, 35-53.	1.2	12
29	Sodium chlorate induces DNA damage and DNA-protein cross-linking in rat intestine: A dose dependent study. <i>Chemosphere</i> , 2017, 177, 311-316.	4.2	11
30	Sodium meta-arsenite induced reactive oxygen species in human red blood cells: impaired antioxidant and membrane redox systems, haemoglobin oxidation, and morphological changes. <i>Free Radical Research</i> , 2017, 51, 483-497.	1.5	10
31	Taurine mitigates nitrite-induced methemoglobin formation and oxidative damage in human erythrocytes. <i>Environmental Science and Pollution Research</i> , 2017, 24, 19086-19097.	2.7	10
32	Sodium chlorite increases production of reactive oxygen species that impair the antioxidant system and cause morphological changes in human erythrocytes. <i>Environmental Toxicology</i> , 2017, 32, 1343-1353.	2.1	9
33	Ameliorative effect of carnosine and N-acetylcysteine against sodium nitrite induced nephrotoxicity in rats. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 7032-7044.	1.2	9
34	3,4-Dihydroxybenzaldehyde attenuates pentachlorophenol-induced cytotoxicity, DNA damage and collapse of mitochondrial membrane potential in isolated human blood cells. <i>Drug and Chemical Toxicology</i> , 2022, 45, 1225-1242.	1.2	9
35	DNA damage and DNA-protein cross-linking induced in rat intestine by the water disinfection by-product potassium bromate. <i>Chemosphere</i> , 2013, 91, 1221-1224.	4.2	8
36	Cytoprotective effect of taurine against sodium chlorate-induced oxidative damage in human red blood cells: an ex vivo study. <i>Amino Acids</i> , 2022, 54, 33-46.	1.2	8

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37	Sodium chlorate, a major water disinfection byproduct, alters brush border membrane enzymes, carbohydrate metabolism and impairs antioxidant system of Wistar rat intestine. <i>Environmental Toxicology</i> , 2017, 32, 1607-1616.	2.1	7
38	3,4-Dihydroxybenzaldehyde mitigates fluoride-induced cytotoxicity and oxidative damage in human RBC. <i>Journal of Trace Elements in Medicine and Biology</i> , 2022, 69, 126888.	1.5	7
39	Acetaldehyde-induced structural and conformational alterations in human immunoglobulin G: A physicochemical and multi-spectroscopic study. <i>International Journal of Biological Macromolecules</i> , 2018, 113, 701-710.	3.6	6
40	Crocin protects human erythrocytes from nitrite-induced methemoglobin formation and oxidative damage. <i>Cell Biology International</i> , 2016, 40, 1320-1331.	1.4	5
41	Carnosine and N-acetyl cysteine protect against sodium nitrite-induced oxidative stress in rat blood. <i>Cell Biology International</i> , 2018, 42, 281-293.	1.4	5
42	Mitigation of Cu(II)-induced damage in human blood cells by carnosine: An in vitro study. <i>Toxicology in Vitro</i> , 2020, 68, 104956.	1.1	5
43	Copper chloride inhibits brush border membrane enzymes, alters antioxidant and metabolic status and damages DNA in rat intestine: a dose-dependent study. <i>Environmental Science and Pollution Research</i> , 2021, 28, 43711-43724.	2.7	5
44	Oral administration of pentachlorophenol impairs antioxidant system, inhibits enzymes of brush border membrane, causes DNA damage and histological changes in rat intestine. <i>Toxicology Research</i> , 2022, 11, 616-627.	0.9	4
45	Hypochlorous acid decreases antioxidant power, inhibits plasma membrane redox system and pathways of glucose metabolism in human red blood cells. <i>Toxicology Research</i> , 2021, 10, 264-271.	0.9	3
46	Attenuation of Hg(II)-induced cellular and DNA damage in human blood cells by uric acid. <i>Biochemistry and Cell Biology</i> , 2022, 100, 45-58.	0.9	2