

# BoÅ¼ena Bukowska

## List of Publications by Year in descending order

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73  
papers

2,450  
citations

249298

26  
h-index

252626

46  
g-index

78  
all docs

78  
docs citations

78  
times ranked

3012  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tea and coffee polyphenols and their biological properties based on the latest in vitro investigations. <i>Industrial Crops and Products</i> , 2022, 175, 114265.	2.5	56
2	A review on environmental occurrence, toxic effects and transformation of man-made bromophenols. <i>Science of the Total Environment</i> , 2022, 811, 152289.	3.9	19
3	Molecular Mechanisms of Action of Selected Substances Involved in the Reduction of Benzo[a]pyrene-Induced Oxidative Stress. <i>Molecules</i> , 2022, 27, 1379.	1.7	24
4	The selected epigenetic effects of phthalates: DBP, BBP and their metabolites: MBP, MBzP on human peripheral blood mononuclear cells (In Vitro). <i>Toxicology in Vitro</i> , 2022, 82, 105369.	1.1	1
5	Benzo[a]pyreneâ€”Environmental Occurrence, Human Exposure, and Mechanisms of Toxicity. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6348.	1.8	89
6	Extracts from <i>Uncaria tomentosa</i> as antiplatelet agents and thrombin inhibitors â€” The in vitro and in silico study. <i>Journal of Ethnopharmacology</i> , 2021, 267, 113494.	2.0	17
7	Genotoxic risk assessment and mechanism of DNA damage induced by phthalates and their metabolites in human peripheral blood mononuclear cells. <i>Scientific Reports</i> , 2021, 11, 1658.	1.6	28
8	Glyphosate and AMPA Induce Alterations in Expression of Genes Involved in Chromatin Architecture in Human Peripheral Blood Mononuclear Cells (In Vitro). <i>International Journal of Molecular Sciences</i> , 2021, 22, 2966.	1.8	12
9	Oxidative Properties of Polystyrene Nanoparticles with Different Diameters in Human Peripheral Blood Mononuclear Cells (In Vitro Study). <i>International Journal of Molecular Sciences</i> , 2021, 22, 4406.	1.8	17
10	Changes in Human Erythrocyte Membrane Exposed to Aqueous and Ethanolic Extracts from <i>Uncaria tomentosa</i> . <i>Molecules</i> , 2021, 26, 3189.	1.7	7
11	Changes in Human Erythrocyte Exposed to Organophosphate Flame Retardants: Tris(2-chloroethyl) Phosphate and Tris(1-chloro-2-propyl) Phosphate. <i>Materials</i> , 2021, 14, 3675.	1.3	3
12	An In Vitro Comparative Study of the Effects of Tetrabromobisphenol A and Tetrabromobisphenol S on Human Erythrocyte Membranesâ€”Changes in ATP Level, Perturbations in Membrane Fluidity, Alterations in Conformational State and Damage to Proteins. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9443.	1.8	6
13	Sex biased effect of acute heat shock on the antioxidant system of non-native round goby <i>Neogobius melanostomus</i> . <i>PLoS ONE</i> , 2021, 16, e0260641.	1.1	2
14	Influence of Benzo(a)pyrene on Different Epigenetic Processes. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13453.	1.8	29
15	Evaluation of apoptotic potential of glyphosate metabolites and impurities in human peripheral blood mononuclear cells (in vitro study). <i>Food and Chemical Toxicology</i> , 2020, 135, 110888.	1.8	14
16	Glyphosate affects methylation in the promoter regions of selected tumor suppressors as well as expression of major cell cycle and apoptosis drivers in PBMCs (in vitro study). <i>Toxicology in Vitro</i> , 2020, 63, 104736.	1.1	31
17	The selected epigenetic effects of aminomethylphosphonic acid, a primary metabolite of glyphosate on human peripheral blood mononuclear cells (in vitro). <i>Toxicology in Vitro</i> , 2020, 66, 104878.	1.1	9
18	Evaluation of the Effect of Selected Brominated Flame Retardants on Human Serum Albumin and Human Erythrocyte Membrane Proteins. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3926.	1.8	6

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19	Polystyrene nanoparticles: Sources, occurrence in the environment, distribution in tissues, accumulation and toxicity to various organisms. <i>Environmental Pollution</i> , 2020, 262, 114297.	3.7	244
20	Molecular mechanism of curcumin action in signaling pathways: Review of the latest research. <i>Phytotherapy Research</i> , 2020, 34, 1992-2005.	2.8	90
21	The Protective Effect of Dabigatran and Rivaroxaban on DNA Oxidative Changes in a Model of Vascular Endothelial Damage with Oxidized Cholesterol. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1953.	1.8	21
22	Human Erythrocytes Exposed to Phthalates and Their Metabolites Alter Antioxidant Enzyme Activity and Hemoglobin Oxidation. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4480.	1.8	18
23	Eryptosis in polycythemia vera and essential thrombocythemia*. <i>Postepy Higieny I Medycyny Doswiadczalnej</i> , 2020, 74, 69-76.	0.1	1
24	Changes in the activities of antioxidant enzymes and reduced glutathione level in human erythrocytes exposed to selected brominated flame retardants. <i>Chemosphere</i> , 2019, 227, 93-99.	4.2	32
25	InÂvitro assessment of eryptotic potential of tetrabromobisphenol A and other bromophenolic flame retardants. <i>Chemosphere</i> , 2019, 215, 404-412.	4.2	26
26	Molecular mechanism of amygdalin action <i>in vitro</i>: review of the latest research. <i>Immunopharmacology and Immunotoxicology</i> , 2018, 40, 212-218.	1.1	45
27	Low-concentration exposure to BPA, BPF and BPAF induces oxidative DNA bases lesions in human peripheral blood mononuclear cells. <i>Chemosphere</i> , 2018, 201, 119-126.	4.2	63
28	The effect of two bromfenvinphos impurities: BDCEE and Î²-ketophosphonate on oxidative stress induction, acetylcholinesterase activity, and viability of human red blood cells. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2018, 53, 931-937.	0.9	0
29	Changes in Cholinesterase Activity in Blood of Adolescent with Metabolic Syndrome after Supplementation with Extract from <i>Aronia melanocarpa</i>. <i>BioMed Research International</i> , 2018, 2018, 1-8.	0.9	19
30	The mechanism of DNA damage induced by Roundup 360 PLUS, glyphosate and AMPA in human peripheral blood mononuclear cells - genotoxic risk assesement. <i>Food and Chemical Toxicology</i> , 2018, 120, 510-522.	1.8	71
31	Bisphenol A, bisphenol S, bisphenol F and bisphenol AF induce different oxidative stress and damage in human red blood cells ( in vitro study). <i>Toxicology in Vitro</i> , 2017, 41, 143-149.	1.1	177
32	DNA damage and methylation induced by glyphosate in human peripheral blood mononuclear cells ( ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.8	88
33	The in vitro comparative study of the effect of BPA, BPS, BPF and BPAF on human erythrocyte membrane; perturbations in membrane fluidity, alterations in conformational state and damage to proteins, changes in ATP level and Na+/K+ ATPase and AChE activities. <i>Food and Chemical Toxicology</i> , 2017, 110, 351-359.	1.8	34
34	Evaluation of the effect of brominated flame retardants on hemoglobin oxidation and hemolysis in human erythrocytes. <i>Food and Chemical Toxicology</i> , 2017, 109, 264-271.	1.8	32
35	Effect of intensive lipid-lowering therapies on cholinesterase activity in patients with coronary artery disease. <i>Pharmacological Reports</i> , 2017, 69, 150-155.	1.5	10
36	Decreased activity of butyrylcholinesterase in blood plasma of patients with chronic obstructive pulmonary disease. <i>Archives of Medical Science</i> , 2017, 3, 645-651.	0.4	26

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37	The Impact of Glyphosate, Its Metabolites and Impurities on Viability, ATP Level and Morphological changes in Human Peripheral Blood Mononuclear Cells. <i>PLoS ONE</i> , 2016, 11, e0156946.	1.1	32
38	Eryptosis-inducing activity of bisphenol A and its analogs in human red blood cells (in vitro study). <i>Journal of Hazardous Materials</i> , 2016, 307, 328-335.	6.5	100
39	Oxidative stress in human erythrocytes treated with bromfenvinphos and its impurities. <i>Pesticide Biochemistry and Physiology</i> , 2015, 118, 43-49.	1.6	6
40	Comparative study of the effect of BPA and its selected analogues on hemoglobin oxidation, morphological alterations and hemolytic changes in human erythrocytes. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2015, 176-177, 62-70.	1.3	31
41	Oxidative stress and damage to erythrocytes in patients with chronic obstructive pulmonary disease – changes in ATPase and acetylcholinesterase activity. <i>Biochemistry and Cell Biology</i> , 2015, 93, 574-580.	0.9	18
42	The effect of catechol on human peripheral blood mononuclear cells (in vitro study). <i>Environmental Toxicology and Pharmacology</i> , 2015, 39, 187-193.	2.0	17
43	The effect of glyphosate, its metabolites and impurities on erythrocyte acetylcholinesterase activity. <i>Environmental Toxicology and Pharmacology</i> , 2014, 37, 1101-1108.	2.0	27
44	The effect of metabolites and impurities of glyphosate on human erythrocytes (in vitro). <i>Pesticide Biochemistry and Physiology</i> , 2014, 109, 34-43.	1.6	81
45	Oxidative damage to human red blood cells treated with chlorfenvinphos, an organophosphate insecticide (in vitro). <i>Biologia (Poland)</i> , 2013, 68, 773-778.	0.8	8
46	Chlorobenzenes, lindane and dieldrin induce apoptotic alterations in human peripheral blood lymphocytes (in vitro study). <i>Environmental Toxicology and Pharmacology</i> , 2013, 36, 979-988.	2.0	11
47	ROS production and their influence on the cellular antioxidative system in human erythrocytes incubated with daunorubicin and glutaraldehyde. <i>Environmental Toxicology and Pharmacology</i> , 2013, 36, 171-181.	2.0	15
48	The effect of bromfenvinphos, its impurities and chlorfenvinphos on acetylcholinesterase activity. <i>International Journal of Biological Macromolecules</i> , 2013, 57, 38-44.	3.6	15
49	Studies of biological properties of <i>Uncaria tomentosa</i> extracts on human blood mononuclear cells. <i>Journal of Ethnopharmacology</i> , 2012, 142, 669-678.	2.0	16
50	Evaluation of the effect of <i>Uncaria tomentosa</i> extracts on the size and shape of human erythrocytes (in vitro). <i>Environmental Toxicology and Pharmacology</i> , 2012, 33, 127-134.	2.0	18
51	<i>Uncaria tomentosa</i> extracts protect human erythrocyte catalase against damage induced by 2,4-D-Na and its metabolites. <i>Food and Chemical Toxicology</i> , 2012, 50, 2123-2127.	1.8	6
52	Impact of chlorfenvinphos, an organophosphate insecticide on human blood mononuclear cells (in vitro study). <i>Environmental Toxicology and Pharmacology</i> , 2011, 32, 306-314.	1.6	10
53	The effect of alendronate sodium on human erythrocytes. <i>Environmental Toxicology and Pharmacology</i> , 2011, 32, 306-314.	2.0	8
54	The effect of bromfenvinphos and its impurities on human erythrocyte. <i>Food and Chemical Toxicology</i> , 2011, 49, 502-507.	1.8	11

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55	Protective activity of the <i>Uncaria tomentosa</i> extracts on human erythrocytes in oxidative stress induced by 2,4-dichlorophenol (2,4-DCP) and catechol. <i>Food and Chemical Toxicology</i> , 2011, 49, 2202-2211.	1.8	37
56	Comparison of the effect of phenoxyherbicides on human erythrocyte membrane (in vitro). <i>Biologia (Poland)</i> , 2011, 66, 379-385.	0.8	6
57	Chloroguaiacols Change Some Antioxidative Parameters and Affect the Activity of Glutathione S-transferase in the Leaves of Reed Canary Grass ( <i>Phalaris arudinacea</i> ). <i>Water, Air, and Soil Pollution</i> , 2010, 207, 19-28.	1.1	1
58	Phenoxyherbicides induce production of free radicals in human erythrocytes: Oxidation of dichlorodihydrofluorescein and dihydrorhodamine 123 by 2,4-D-Na and MCPA-Na. <i>Food and Chemical Toxicology</i> , 2008, 46, 359-367.	1.8	35
59	The differences in phenolic content in rivers exposed and non-exposed to anthropogenic contamination. <i>Chemosphere</i> , 2008, 71, 735-741.	4.2	23
60	Alterations in human red blood cell properties induced by 3-(dimethylamino)phenol (in vitro). <i>Toxicology in Vitro</i> , 2007, 21, 1574-1580.	1.1	6
61	Comparison of the effect of phenol and its derivatives on protein and free radical formation in human erythrocytes (in vitro). <i>Blood Cells, Molecules, and Diseases</i> , 2007, 39, 238-244.	0.6	44
62	Comparison of the effect of Aminopielik D pesticide and its active components on human erythrocytes. <i>Environmental Toxicology and Pharmacology</i> , 2006, 22, 189-193.	2.0	8
63	Damage of cell membrane and antioxidative system in human erythrocytes incubated with microcystin-LR in vitro. <i>Toxicon</i> , 2006, 47, 387-397.	0.8	64
64	Superoxide Dismutases and Their Inhibitors-the Role in Some Diseases. <i>Current Enzyme Inhibition</i> , 2006, 2, 379-397.	0.3	6
65	2,4-D and MCPA and their derivatives: Effect on the activity of membrane erythrocytes acetylcholinesterase (in vitro). <i>Pesticide Biochemistry and Physiology</i> , 2006, 85, 174-180.	1.6	40
66	Comparison of the effect of Roundup Ultra 360 SL pesticide and its active compound glyphosate on human erythrocytes. <i>Pesticide Biochemistry and Physiology</i> , 2004, 79, 58-63.	1.6	43
67	2,4,5-T and 2,4,5-TCP induce oxidative damage in human erythrocytes: the role of glutathione. <i>Cell Biology International</i> , 2004, 28, 557-563.	1.4	39
68	Phenol and catechol induce prehemolytic and hemolytic changes in human erythrocytes. <i>Toxicology Letters</i> , 2004, 152, 73-84.	0.4	87
69	Damage to erythrocytes caused by 2,3,7,8-tetrachloro-dibenzo-p-dioxin (in vitro). <i>Cellular and Molecular Biology Letters</i> , 2004, 9, 261-70.	2.7	6
70	Effect of 4-chloro-2-methylphenoxyacetic acid and 2,4-dimethylphenol on human erythrocytes. <i>Pesticide Biochemistry and Physiology</i> , 2003, 77, 92-98.	1.6	17
71	Effects of 2,4-D and its metabolite 2,4-dichlorophenol on antioxidant enzymes and level of glutathione in human erythrocytes. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2003, 135, 435-441.	1.3	90
72	CATALASE ACTIVITY IN HUMAN ERYTHROCYTES: EFFECT OF PHENOXYHERBICIDES AND THEIR METABOLITES. <i>Cell Biology International</i> , 2000, 24, 705-711.	1.4	43

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73	Influence of phenoxyherbicides and their metabolites on the form of oxyâ€and deoxyhemoglobin of vertebrates. IUBMB Life, 1998, 45, 47-59.	1.5	3