

Aleksandra Buha

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

3,155
citations

159525

30
h-index

161767

54
g-index

92
all docs

92
docs citations

92
times ranked

3609
citing authors

#	ARTICLE	IF	CITATIONS
1	Insight into the oxidative stress induced by lead and/or cadmium in blood, liver and kidneys. <i>Food and Chemical Toxicology</i> , 2015, 78, 130-140.	1.8	405
2	Toxic Effect of Acute Cadmium and Lead Exposure in Rat Blood, Liver, and Kidney. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 274.	1.2	263
3	Cadmium Toxicity Revisited: Focus on Oxidative Stress Induction and Interactions with Zinc and Magnesium. <i>Arhiv Za Higijenu Rada I Toksikologiju</i> , 2011, 62, 65-76.	0.4	155
4	Overview of Cadmium Thyroid Disrupting Effects and Mechanisms. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1501.	1.8	144
5	Arsenic Toxicity: Molecular Targets and Therapeutic Agents. <i>Biomolecules</i> , 2020, 10, 235.	1.8	134
6	Potential Applications of NRF2 Modulators in Cancer Therapy. <i>Antioxidants</i> , 2020, 9, 193.	2.2	94
7	Environmental cadmium exposure and pancreatic cancer: Evidence from case control, animal and in vitro studies. <i>Environment International</i> , 2019, 128, 353-361.	4.8	93
8	PFAS Molecules: A Major Concern for the Human Health and the Environment. <i>Toxics</i> , 2022, 10, 44.	1.6	93
9	An overview of molecular mechanisms in cadmium toxicity. <i>Current Opinion in Toxicology</i> , 2020, 19, 56-62.	2.6	92
10	Toxic-Metal-Induced Alteration in miRNA Expression Profile as a Proposed Mechanism for Disease Development. <i>Cells</i> , 2020, 9, 901.	1.8	92
11	Nonlinear responses to waterborne cadmium exposure in zebrafish. An in vivo study. <i>Environmental Research</i> , 2017, 157, 173-181.	3.7	84
12	A Review on Coordination Properties of Thiol-Containing Chelating Agents Towards Mercury, Cadmium, and Lead. <i>Molecules</i> , 2019, 24, 3247.	1.7	80
13	Critical assessment and integration of separate lines of evidence for risk assessment of chemical mixtures. <i>Archives of Toxicology</i> , 2019, 93, 2741-2757.	1.9	77
14	Cadmium Exposure as a Putative Risk Factor for the Development of Pancreatic Cancer: Three Different Lines of Evidence. <i>BioMed Research International</i> , 2017, 2017, 1-8.	0.9	75
15	Heavy metal and pesticide exposure: A mixture of potential toxicity and carcinogenicity. <i>Current Opinion in Toxicology</i> , 2020, 19, 72-79.	2.6	74
16	The impact of prolonged cadmium exposure and co-exposure with polychlorinated biphenyls on thyroid function in rats. <i>Toxicology Letters</i> , 2013, 221, 83-90.	0.4	66
17	Bone mineral health is sensitively related to environmental cadmium exposure- experimental and human data. <i>Environmental Research</i> , 2019, 176, 108539.	3.7	63
18	Analysis of the intricate effects of polyunsaturated fatty acids and polyphenols on inflammatory pathways in health and disease. <i>Food and Chemical Toxicology</i> , 2020, 143, 111558.	1.8	57

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19	The Treatment of Cognitive, Behavioural and Motor Impairments from Brain Injury and Neurodegenerative Diseases through Cannabinoid System Modulation—Evidence from In Vivo Studies. <i>Journal of Clinical Medicine</i> , 2020, 9, 2395.	1.0	53
20	Indicator PCBs in farmed and wild fish in Greece - Risk assessment for the Greek population. <i>Food and Chemical Toxicology</i> , 2019, 127, 260-269.	1.8	48
21	Toxic Effects of the Mixture of Phthalates and Bisphenol A—Subacute Oral Toxicity Study in Wistar Rats. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 746.	1.2	46
22	Emerging Links between Cadmium Exposure and Insulin Resistance: Human, Animal, and Cell Study Data. <i>Toxics</i> , 2020, 8, 63.	1.6	43
23	An overview of the safety assessment of medicines currently used in the COVID-19 disease treatment. <i>Food and Chemical Toxicology</i> , 2020, 144, 111639.	1.8	42
24	The influence of smoking habits on cadmium and lead blood levels in the Serbian adult people. <i>Environmental Science and Pollution Research</i> , 2020, 27, 751-760.	2.7	39
25	Route-dependent effects of cadmium/cadmium and magnesium acute treatment on parameters of oxidative stress in rat liver. <i>Food and Chemical Toxicology</i> , 2012, 50, 552-557.	1.8	37
26	Polychlorinated biphenyls as oxidative stress inducers in liver of subacutely exposed rats: Implication for dose-dependence toxicity and benchmark dose concept. <i>Environmental Research</i> , 2015, 136, 309-317.	3.7	37
27	Cadmium sulfide-induced toxicity in the cortex and cerebellum: In vitro and in vivo studies. <i>Toxicology Reports</i> , 2020, 7, 637-648.	1.6	36
28	Endocrine-disrupting mechanisms of polychlorinated biphenyls. <i>Current Opinion in Toxicology</i> , 2020, 19, 42-49.	2.6	35
29	Long-term effects of chromium on morphological and immunological parameters of Wistar rats. <i>Food and Chemical Toxicology</i> , 2019, 133, 110748.	1.8	34
30	Potential interaction of cadmium chloride with pancreatic mitochondria: Implications for pancreatic cancer. <i>International Journal of Molecular Medicine</i> , 2019, 44, 145-156.	1.8	34
31	Effects of oral and intraperitoneal magnesium treatment against cadmium-induced oxidative stress in plasma of rats. <i>Arhiv Za Higijenu Rada I Toksikologiju</i> , 2012, 63, 247-254.	0.4	32
32	Can zinc supplementation ameliorate cadmium-induced alterations in the bioelement content in rabbits?. <i>Arhiv Za Higijenu Rada I Toksikologiju</i> , 2017, 68, 38-45.	0.4	31
33	Multi-strain probiotic ameliorated toxic effects of phthalates and bisphenol A mixture in Wistar rats. <i>Food and Chemical Toxicology</i> , 2020, 143, 111540.	1.8	30
34	The Role of Toxic Metals and Metalloids in Nrf2 Signaling. <i>Antioxidants</i> , 2021, 10, 630.	2.2	28
35	Interactions between cadmium and decabrominated diphenyl ether on blood cells count in rats—Multiple factorial regression analysis. <i>Toxicology</i> , 2017, 376, 120-125.	2.0	24
36	Cadmium tissue level in women diagnosed with breast cancer — A case control study. <i>Environmental Research</i> , 2021, 199, 111300.	3.7	24

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37	Effect of Magnesium Supplementation on the Distribution Patterns of Zinc, Copper, and Magnesium in Rabbits Exposed to Prolonged Cadmium Intoxication. <i>Scientific World Journal, The</i> , 2012, 2012, 1-9.	0.8	23
38	Sirtuins as molecular targets, mediators, and protective agents in metal-induced toxicity. <i>Archives of Toxicology</i> , 2021, 95, 2263-2278.	1.9	23
39	Environmental and health hazards of military metal pollution. <i>Environmental Research</i> , 2021, 201, 111568.	3.7	23
40	Combining in vivo pathohistological and redox status analysis with in silico toxicogenomic study to explore the phthalates and bisphenol A mixture-induced testicular toxicity. <i>Chemosphere</i> , 2021, 267, 129296.	4.2	22
41	Probiotic reduced the impact of phthalates and bisphenol A mixture on type 2 diabetes mellitus development: Merging bioinformatics with in vivo analysis. <i>Food and Chemical Toxicology</i> , 2021, 154, 112325.	1.8	22
42	The Role of Persistent Organic Pollutants in Obesity: A Review of Laboratory and Epidemiological Studies. <i>Toxics</i> , 2022, 10, 65.	1.6	21
43	Oxidative stress and renal toxicity after subacute exposure to decabrominated diphenyl ether in Wistar rats. <i>Environmental Science and Pollution Research</i> , 2018, 25, 7223-7230.	2.7	20
44	Oxidative stress, metallomics and blood toxicity after subacute low-level lead exposure in Wistar rats: Benchmark dose analyses. <i>Environmental Pollution</i> , 2021, 291, 118103.	3.7	19
45	Elucidating the influence of environmentally relevant toxic metal mixture on molecular mechanisms involved in the development of neurodegenerative diseases: In silico toxicogenomic data-mining. <i>Environmental Research</i> , 2021, 194, 110727.	3.7	17
46	Safety assessment of drug combinations used in COVID-19 treatment: in silico toxicogenomic data-mining approach. <i>Toxicology and Applied Pharmacology</i> , 2020, 406, 115237.	1.3	15
47	Benchmark dose approach in investigating the relationship between blood metal levels and reproductive hormones: Data set from human study. <i>Environment International</i> , 2022, 165, 107313.	4.8	15
48	Hydrogen Sulfide (H ₂ S) Signaling as a Protective Mechanism against Endogenous and Exogenous Neurotoxicants. <i>Current Neuropharmacology</i> , 2022, 20, 1908-1924.	1.4	12
49	Integrating in silico with in vivo approach to investigate phthalate and bisphenol A mixture-linked asthma development: Positive probiotic intervention. <i>Food and Chemical Toxicology</i> , 2021, 158, 112671.	1.8	11
50	MicroRNA-Regulated Signaling Pathways: Potential Biomarkers for Pancreatic Ductal Adenocarcinoma. <i>Stresses</i> , 2021, 1, 30-47.	1.8	10
51	Low-lead doses induce oxidative damage in cardiac tissue: Subacute toxicity study in Wistar rats and Benchmark dose modelling. <i>Food and Chemical Toxicology</i> , 2022, 161, 112825.	1.8	10
52	Genotoxicity of fluoride subacute exposure in rats and selenium intervention. <i>Chemosphere</i> , 2021, 266, 128978.	4.2	8
53	Assessment of the combined effects of chromium and benzene on the rat neuroendocrine and immune systems. <i>Environmental Research</i> , 2022, 207, 112096.	3.7	8
54	Potential genomic biomarkers of obesity and its comorbidities for phthalates and bisphenol A mixture: In silico toxicogenomic approach. <i>Biocell</i> , 2022, 46, 519-533.	0.4	8

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55	Epigenetic mechanisms in metal carcinogenesis. <i>Toxicology Reports</i> , 2022, 9, 778-787.	1.6	8
56	An Integrative <i>in silico</i> Drug Repurposing Approach for Identification of Potential Inhibitors of SARS-CoV-2 Main Protease. <i>Molecular Informatics</i> , 2021, 40, e2000187.	1.4	7
57	Xenobiotics, Trace Metals and Genetics in the Pathogenesis of Tauopathies. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 1269.	1.2	6
58	Endocrine disruption and human health risk assessment in the light of real-life risk simulation. , 2021, , 147-162.		6
59	Comprehensive insight into the neurotoxic mechanisms of low dose Pb exposure in Wistar rats: Benchmark dose analysis. <i>Chemico-Biological Interactions</i> , 2022, 360, 109932.	1.7	6
60	Role of microRNAs in response to cadmium chloride in pancreatic ductal adenocarcinoma. <i>Archives of Toxicology</i> , 2022, 96, 467-485.	1.9	6
61	Comparison of oximes K203 and K027 based on Benchmark dose analysis of rat diaphragmal acetylcholinesterase reactivation. <i>Chemico-Biological Interactions</i> , 2019, 308, 385-391.	1.7	5
62	Nickel's Role in Pancreatic Ductal Adenocarcinoma: Potential Involvement of microRNAs. <i>Toxics</i> , 2022, 10, 148.	1.6	5
63	Cadmium, Mercury and Lead in <i>Hypericum perforatum</i> L. collected in Western Serbia. <i>E3S Web of Conferences</i> , 2013, 1, 15009.	0.2	4
64	Threshold in the toxicology of metals: Challenges and pitfalls of the concept. <i>Current Opinion in Toxicology</i> , 2020, 19, 28-33.	2.6	4
65	Safety of antiretroviral drugs. <i>Arhiv Za Farmaciju</i> , 2016, 66, 161-173.	0.2	3
66	Basic principles of toxicological evaluation of mixtures. <i>Arhiv Za Farmaciju</i> , 2015, 65, 304-315.	0.2	3
67	Possible role of lead in breast cancer – a case-control study. <i>Environmental Science and Pollution Research</i> , 2022, 29, 65211-65221.	2.7	3
68	Arsenic in drinking water in Northern region of Serbia. <i>E3S Web of Conferences</i> , 2013, 1, 24006.	0.2	2
69	Liver function alterations among workers in the shoe industry due to combined low-level exposure to organic solvents. <i>Drug and Chemical Toxicology</i> , 2022, 45, 1907-1914.	1.2	1
70	Regulation of signaling pathways by Ampelopsin (Dihydromyricetin) in different cancers: exploring the highways and byways less travelled. <i>Cellular and Molecular Biology</i> , 2019, 65, 15.	0.3	1
71	Regulation of signaling pathways by Ampelopsin (Dihydromyricetin) in different cancers: exploring the highways and byways less travelled. <i>Cellular and Molecular Biology</i> , 2019, 65, 15-20.	0.3	1
72	Focusing on the brighter side of Sevoflurane: Realizing true potential of an anesthetic agent as a regulator of cell signaling pathways and microRNAs in different cancers. <i>Cellular and Molecular Biology</i> , 2019, 65, 7-10.	0.3	1

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73	The use of @risk software for risk assessment of mercury intake via marine food among Serbian population. <i>Toxicology Letters</i> , 2013, 221, S222-S223.	0.4	0
74	The effects of BDE-209 on peripheral leukocyte counts in subacutely exposed Wistar rats. <i>Toxicology Letters</i> , 2014, 229, S208-S209.	0.4	0
75	Decreased testicular weight in rats treated with polychlorinated biphenyls. <i>Toxicology Letters</i> , 2016, 258, S292.	0.4	0
76	Investigations of effects of magnesium, zinc and copper on cadmium excretion in rabbits. <i>Veterinarski Glasnik</i> , 2012, 66, 395-406.	0.1	0
77	Focusing on the brighter side of Sevoflurane: Realizing true potential of an anesthetic agent as a regulator of cell signaling pathways and microRNAs in different cancers. <i>Cellular and Molecular Biology</i> , 2020, 65, 7-10.	0.3	0
78	Protective role of sulforaphane against phthalate and bisphenol A mixture linked hepatocellular carcinoma: in silico toxicogenomic datamining. <i>Makedonsko Farmaceutski Bilten</i> , 2020, 66, 9-10.	0.0	0