

Zdravko Spiric

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

1,618
citations

361045

20
h-index

288905

40
g-index

51
all docs

51
docs citations

51
times ranked

2169
citing authors

#	ARTICLE	IF	CITATIONS
1	Mosses as biomonitors of atmospheric heavy metal deposition: Spatial patterns and temporal trends in Europe. <i>Environmental Pollution</i> , 2010, 158, 3144-3156.	3.7	272
2	Heavy metal and nitrogen concentrations in mosses are declining across Europe whilst some "hotspots" remain in 2010. <i>Environmental Pollution</i> , 2015, 200, 93-104.	3.7	136
3	Mercury, arsenic and selenium exposure levels in relation to fish consumption in the Mediterranean area. <i>Environmental Research</i> , 2013, 120, 7-17.	3.7	134
4	Blood cadmium, mercury, and lead in children: An international comparison of cities in six European countries, and China, Ecuador, and Morocco. <i>Environment International</i> , 2012, 41, 29-34.	4.8	105
5	Country-specific correlations across Europe between modelled atmospheric cadmium and lead deposition and concentrations in mosses. <i>Environmental Pollution</i> , 2012, 166, 1-9.	3.7	85
6	Are cadmium, lead and mercury concentrations in mosses across Europe primarily determined by atmospheric deposition of these metals?. <i>Journal of Soils and Sediments</i> , 2010, 10, 1572-1584.	1.5	60
7	Biomarkers of exposure in environment-wide association studies " Opportunities to decode the exposome using human biomonitoring data. <i>Environmental Research</i> , 2018, 164, 597-624.	3.7	60
8	Prenatal mercury exposure, neurodevelopment and apolipoprotein E genetic polymorphism. <i>Environmental Research</i> , 2017, 152, 375-385.	3.7	53
9	A compilation of field surveys on gaseous elemental mercury (GEM) from contrasting environmental settings in Europe, South America, South Africa and China: separating fads from facts. <i>Environmental Geochemistry and Health</i> , 2014, 36, 713-734.	1.8	49
10	Prenatal mercury exposure and child neurodevelopment outcomes at 18 months: Results from the Mediterranean PHIME cohort. <i>International Journal of Hygiene and Environmental Health</i> , 2019, 222, 9-21.	2.1	47
11	Mercury and other elements in lichens near the INA Naftaplin gas treatment plant, Molve, Croatia. <i>Journal of Environmental Monitoring</i> , 2000, 2, 139-144.	2.1	46
12	Air Pollution Study in Croatia Using Moss Biomonitoring and ICP-AES and AAS Analytical Techniques. <i>Archives of Environmental Contamination and Toxicology</i> , 2013, 65, 33-46.	2.1	41
13	Cadmium, mercury and lead in the blood of urban women in Croatia, the Czech Republic, Poland, Slovakia, Slovenia, Sweden, China, Ecuador and Morocco. <i>International Journal of Occupational Medicine and Environmental Health</i> , 2013, 26, 58-72.	0.6	40
14	Neurodevelopmental Effects of Low-level Prenatal Mercury Exposure From Maternal Fish Consumption in a Mediterranean Cohort: Study Rationale and Design. <i>Journal of Epidemiology</i> , 2013, 23, 146-152.	1.1	40
15	Spatially valid data of atmospheric deposition of heavy metals and nitrogen derived by moss surveys for pollution risk assessments of ecosystems. <i>Environmental Science and Pollution Research</i> , 2016, 23, 10457-10476.	2.7	35
16	Relationship between the prenatal exposure to low-level of mercury and the size of a newborn's cerebellum. <i>Medical Hypotheses</i> , 2011, 76, 514-516.	0.8	33
17	Arsenic metabolites; selenium; and AS3MT, MTHFR, AQP4, AQP9, SELENOP, INMT, and MT2A polymorphisms in Croatian-Slovenian population from PHIME-CROME study. <i>Environmental Research</i> , 2019, 170, 301-319.	3.7	32
18	Prenatal exposure to low-level methylmercury alters the child's fine motor skills at the age of 18 months. <i>Environmental Research</i> , 2017, 152, 369-374.	3.7	31

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19	Multi-element atmospheric deposition study in Croatia. <i>International Journal of Environmental Analytical Chemistry</i> , 2012, 92, 1200-1214.	1.8	26
20	Mercury measurements in ambient air near natural gas processing facilities. <i>Fresenius' Journal of Analytical Chemistry</i> , 2000, 366, 429-432.	1.5	22
21	Modelling and mapping heavy metal and nitrogen concentrations in moss in 2010 throughout Europe by applying Random Forests models. <i>Atmospheric Environment</i> , 2017, 156, 146-159.	1.9	22
22	Prenatal selenium status, neonatal cerebellum measures and child neurodevelopment at the age of 18 months. <i>Environmental Research</i> , 2019, 176, 108529.	3.7	21
23	Platinum, palladium, rhodium, molybdenum and strontium in blood of urban women in nine countries. <i>International Journal of Hygiene and Environmental Health</i> , 2018, 221, 223-230.	2.1	18
24	Pregnancy exposome and child psychomotor development in three European birth cohorts. <i>Environmental Research</i> , 2020, 181, 108856.	3.7	18
25	Warfare Ecology. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2011, , .	0.1	16
26	Relationship between MODIS based Aerosol Optical Depth and PM10 over Croatia. <i>Open Geosciences</i> , 2014, 6, .	0.6	15
27	Modelling spatial patterns of correlations between concentrations of heavy metals in mosses and atmospheric deposition in 2010 across Europe. <i>Environmental Sciences Europe</i> , 2018, 30, 53.	2.6	15
28	Mercury in hares organs (<i>Lepus europaeus</i> Pallas) in the vicinity of the mercury-contaminated natural gas treatment plant in Croatia. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2012, 47, 77-83.	0.9	13
29	Effects of mercury on glutathione and glutathione-dependent enzymes in hares (<i>Lepus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 <i>Substances and Environmental Engineering</i> , 2013, 48, 1325-1332.	0.9	12
30	Moss biomonitoring of air pollution with chromium in Croatia. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2013, 48, 829-834.	0.9	12
31	Mercury speciation in prenatal exposure in Slovenian and Croatian population â€“ PHIME study. <i>Environmental Research</i> , 2019, 177, 108627.	3.7	11
32	The Study on Air Pollution with Nickel and Vanadium in Croatia by Using Moss Biomonitoring and ICP-AES. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2013, 91, 481-487.	1.3	10
33	Nutrient Intake during Pregnancy and Adherence to Dietary Recommendations: The Mediterranean PHIME Cohort. <i>Nutrients</i> , 2021, 13, 1434.	1.7	10
34	Influence of cadmium on metallothionein expression and products of lipid peroxidation in the organs of hares (<i>Lepus europaeus</i> Pallas). <i>Journal of Applied Toxicology</i> , 2014, 34, 289-295.	1.4	9
35	Biomonitoring of air pollution with mercury in Croatia by using moss species and CV-AAS. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 4357-4366.	1.3	9
36	Study of nitrogen pollution in the Republic of North Macedonia by moss biomonitoring and Kjeldahl method. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2020, 55, 759-764.	0.9	9

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37	Study of nitrogen pollution in Croatia by moss biomonitoring and Kjeldahl method. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2014, 49, 1402-1408.	0.9	8
38	Trace elements and APOE polymorphisms in pregnant women and their new-borns. Environment International, 2020, 143, 105626.	4.8	8
39	Innovative Approach to the Mercury Control During Natural Gas Processing. , 2001, , .		8
40	Bioindication and modelling of atmospheric deposition in forests enable exposure and effect monitoring at high spatial density across scales. Annals of Forest Science, 2017, 74, 1.	0.8	7
41	Combined prenatal exposure to mercury and LCPUFA on newborn's brain measures and neurodevelopment at the age of 18 months. Environmental Research, 2019, 178, 108682.	3.7	6
42	Mercury in pheasant (<i>Phasianus colchicus</i>) organs in Podravina, Croatia. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2013, 48, 394-399.	0.9	4
43	Mercury speciation in meconium and associated factors. Environmental Research, 2019, 179, 108724.	3.7	4
44	Accumulated Metals and Metallothionein Expression in Organs of Hares (<i>Lepus europaeus</i> Pallas) Within Natural Gas Fields of Podravina, Croatia. Archives of Environmental and Occupational Health, 2015, 70, 126-132.	0.7	3
45	Mercury in <i>Eisenia fetida</i> and soil in the vicinity of a natural gas treatment plant in northern Croatia. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2016, 51, 114-120.	0.9	1
46	Are cadmium, lead and mercury concentrations in mosses across Europe primarily determined by atmospheric deposition of these metals?. , 2010, 10, 1572.		1
47	Longitudinal Cohort Study of Prenatal Exposure to Mercury in the Mediterranean Region. Epidemiology, 2009, 20, S251.	1.2	0
48	Territory Spoiled by Blasting Mines – A Croatian Case Study. NATO Science for Peace and Security Series C: Environmental Security, 2011, , 211-217.	0.1	0
49	Introduction: A New Synthesis. NATO Science for Peace and Security Series C: Environmental Security, 2011, , 1-7.	0.1	0