Marta Schuhmacher

List of Publications by Year
in descending order

259 papers	12,127 citations	30070 54 h-index	42399 92 g-index
262 all docs	262 docs citations	262 times ranked	11772 citing authors

#	Article	IF	Citations
1	USEtox—the UNEP-SETAC toxicity model: recommended characterisation factors for human toxicity and freshwater ecotoxicity in life cycle impact assessment. International Journal of Life Cycle Assessment, 2008, 13, 532-546.	4.7	1,180
2	Levels of PAHs in soil and vegetation samples from Tarragona County, Spain. Environmental Pollution, 2004, 132, 1-11.	7.5	364
3	Heavy metals (Pb, Cd, As and MeHg) as risk factors for cognitive dysfunction: A general review of metal mixture mechanism in brain. Environmental Toxicology and Pharmacology, 2016, 48, 203-213.	4.0	334
4	Assessing water quality in rivers with fuzzy inference systems: A case study. Environment International, 2006, 32, 733-742.	10.0	260
5	Metal pollution of soils and vegetation in an area with petrochemical industry. Science of the Total Environment, 2004, 321, 59-69.	8.0	239
6	Ecosystem services in Mediterranean river basin: Climate change impact on water provisioning and erosion control. Science of the Total Environment, 2013, 458-460, 246-255.	8.0	180
7	Presence of PAHs in water and sediments of the Colombian Cauca River during heavy rain episodes, and implications for risk assessment. Science of the Total Environment, 2016, 540, 455-465.	8.0	174
8	Uncertainty assessment by a Monte Carlo simulation in a life cycle inventory of electricity produced by a waste incinerator. Journal of Cleaner Production, 2003, 11, 279-292.	9.3	162
9	Metal concentrations in surface water and sediments from Pardo River, Brazil: Human health risks. Environmental Research, 2014, 133, 149-155.	7.5	161
10	Long-term amendment of Spanish soils with sewage sludge: Effects on soil functioning. Agriculture, Ecosystems and Environment, 2012, 158, 41-48.	5.3	148
11	Levels of metals, PCBs, PCNs and PAHs in soils of a highly industrialized chemical/petrochemical area: Temporal trend. Chemosphere, 2007, 66, 267-276.	8.2	129
12	Pollutants emitted by a cement plant: health risks for the population living in the neighborhood. Environmental Research, 2004, 95, 198-206.	7.5	116
13	Air concentrations of PCDD/Fs, PCBs and PCNs using active and passive air samplers. Chemosphere, 2008, 70, 1637-1643.	8.2	111
14	Multi-compartmental environmental surveillance of a petrochemical area: Levels of micropollutants. Environment International, 2009, 35, 227-235.	10.0	110
15	Sensitivity analysis of ecosystem service valuation in a Mediterranean watershed. Science of the Total Environment, 2012, 440, 140-153.	8.0	108
16	Exposure to heavy metals and PCDD/Fs by the population living in the vicinity of a hazardous waste landfill in Catalonia, Spain: Health risk assessment. Environment International, 2009, 35, 1034-1039.	10.0	105
17	Environmental monitoring of PCDD/Fs and metals in the vicinity of a cement plant after using sewage sludge as a secondary fuel. Chemosphere, 2009, 74, 1502-1508.	8.2	104
18	Long-term environmental monitoring of persistent organic pollutants and metals in a chemical/petrochemical area: Human health risks. Environmental Pollution, 2011, 159, 1769-1777.	7.5	104

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19	Ecotoxicity of sediments in rivers: Invertebrate community, toxicity bioassays and the toxic unit approach as complementary assessment tools. Science of the Total Environment, 2016, 540, 297-306.	8.0	102
20	Air quality, health impacts and burden of disease due to air pollution (PM10, PM2.5, NO2 and O3): Application of AirQ+ model to the Camp de Tarragona County (Catalonia, Spain). Science of the Total Environment, 2020, 703, 135538.	8.0	102
21	Levels of PCDD/Fs, PCBs, and PCNs in Soils and Vegetation in an Area with Chemical and Petrochemical Industries. Environmental Science & Technology, 2004, 38, 1960-1969.	10.0	93
22	Human health risks of formaldehyde indoor levels: An issue of concern. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2016, 51, 357-363.	1.7	93
23	Mercury in hair for a child population from Tarragona Province, Spain. Science of the Total Environment, 1996, 193, 143-148.	8.0	88
24	The use of Monte-Carlo simulation techniques for risk assessment: study of a municipal waste incinerator. Chemosphere, 2001, 43, 787-799.	8.2	88
25	Human exposure to trace elements through the skin by direct contact with clothing: Risk assessment. Environmental Research, 2015, 140, 308-316.	7.5	88
26	Water quality analysis in rivers with non-parametric probability distributions and fuzzy inference systems: Application to the Cauca River, Colombia. Environment International, 2013, 52, 17-28.	10.0	86
27	Impact of reduction of lead in gasoline on the blood and hair lead levels in the population of Tarragona Province, Spain, 1990â€"1995. Science of the Total Environment, 1996, 184, 203-209.	8.0	85
28	PCDDs and PCDFs in food samples from Catalonia, Spain. An assessment of dietary intake. Chemosphere, 1999, 38, 3517-3528.	8.2	85
29	Polybrominated diphenyl ethers detected in human adipose tissue from Spain. Chemosphere, 1999, 39, 2271-2278.	8.2	85
30	Long-term study of environmental levels of dioxins and furans in the vicinity of a municipal solid waste incinerator. Environment International, 2006, 32, 397-404.	10.0	85
31	Dioxin and dibenzofuran concentrations in blood of a general population from Tarragona, Spain. Chemosphere, 1999, 38, 1123-1133.	8.2	80
32	Relationship between pollutant content and ecotoxicity of sewage sludges from Spanish wastewater treatment plants. Science of the Total Environment, 2012, 425, 99-109.	8.0	78
33	Human exposure to environmental pollutants after a tire landfill fire in Spain: Health risks. Environment International, 2016, 97, 37-44.	10.0	78
34	Comparing dietary and non-dietary source contribution of BPA and DEHP to prenatal exposure: A Catalonia (Spain) case study. Environmental Research, 2018, 166, 25-34.	7.5	78
35	Concentrations of PCDD/Fs, PCBs and PBDEs in breast milk of women from Catalonia, Spain: A follow-up study. Environment International, 2009, 35, 607-613.	10.0	77
36	POP accumulation in the food chain: Integrated risk model for sewage sludge application in agricultural soils. Environment International, 2010, 36, 577-583.	10.0	74

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37	The impact of climate change on water provision under a low flow regime: A case study of the ecosystems services in the Francoli river basin. Journal of Hazardous Materials, 2013, 263, 224-232.	12.4	74
38	PBPK modeling for PFOS and PFOA: Validation with human experimental data. Toxicology Letters, 2014, 230, 244-251.	0.8	73
39	Dietary intake of lead and cadmium from foods in Tarragons Province, Spain. Bulletin of Environmental Contamination and Toxicology, 1991, 46, 320-328.	2.7	70
40	Novel approach for assessing heavy metal pollution and ecotoxicological status of rivers by means of passive sampling methods. Environment International, 2011, 37, 671-677.	10.0	70
41	Partial replacement of fossil fuel in a cement plant: Risk assessment for the population living in the neighborhood. Science of the Total Environment, 2010, 408, 5372-5380.	8.0	68
42	Use of sewage sludge as secondary fuel in a cement plant: human health risks. Environment International, 2011, 37, 105-111.	10.0	67
43	Human biomonitoring to evaluate exposure to toxic and essential trace elements during pregnancy. Part A. concentrations in maternal blood, urine and cord blood.. Environmental Research, 2019, 177, 108599.	7.5	66
44	Assessment of baseline levels of PCDD/F in soils in the neighbourhood of a new hazardous waste incinerator in Catalonia, Spain. Chemosphere, 1997, 35, 1947-1958.	8.2	64
45	Main components and human health risks assessment of PM10, PM2.5, and PM1 in two areas influenced by cement plants. Atmospheric Environment, 2015, 120, 109-116.	4.1	64
46	PCDD/F concentrations in milk of nonoccupationally exposed women living in southern Catalonia, Spain. Chemosphere, 1999, 38, 995-1004.	8.2	63
47	Human health risks of petroleum-contaminated groundwater. Environmental Science and Pollution Research, 2008, 15, 278-288.	5.3	62
48	Zinc and copper levels in serum and urine: relationship to biological, habitual and environmental factors. Science of the Total Environment, 1994, 148, 67-72.	8.0	60
49	Analysis of the uncertainty in the monetary valuation of ecosystem services â€" A case study at the river basin scale. Science of the Total Environment, 2016, 543, 683-690.	8.0	60
50	Biomarkers of exposure in environment-wide association studies â€" Opportunities to decode the exposome using human biomonitoring data. Environmental Research, 2018, 164, 597-624.	7.5	60
51	Health risks of the occupational exposure to microbiological and chemical pollutants in a municipal waste organic fraction treatment plant. International Journal of Hygiene and Environmental Health, 2009, 212, 661-669.	4.3	59
52	Trace Element Pollution of Soils Collected near a Municipal Solid Waste Incinerator: Human Health Risk. Bulletin of Environmental Contamination and Toxicology, 1997, 59, 861-867.	2.7	58
53	Risk Assessment of Metals from Consuming Vegetables, Fruits and Rice Grown on Soils Irrigated with Waters of the Ebro River in Catalonia, Spain. Biological Trace Element Research, 2008, 123, 66-79.	3.5	58
54	The development of a pregnancy PBPK Model for Bisphenol A and its evaluation with the available biomonitoring data. Science of the Total Environment, 2018, 624, 55-68.	8.0	57

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55	Biological monitoring of metals and organic substances in hazardous-waste incineration workers. International Archives of Occupational and Environmental Health, 2002, 75, 500-506.	2.3	56
56	Monitoring PCDD/Fs, PCBs and metals in the ambient air of an industrial area of Catalonia, Spain. Chemosphere, 2008, 73, 990-998.	8.2	56
57	Evaluating the environmental impact of an old municipal waste incinerator: PCDD/F levels in soil and vegetation samples. Journal of Hazardous Materials, 2000, 76, 1-12.	12.4	55
58	Health risks for the population living in the vicinity of an Integrated Waste Management Facility: Screening environmental pollutants. Science of the Total Environment, 2015, 518-519, 363-370.	8.0	55
59	Health risk assessment of emissions of dioxins and furans from a municipal waste incinerator: comparison with other emission sources. Environment International, 2004, 30, 481-489.	10.0	54
60	Health risks for the population living near petrochemical industrial complexes. 2. Adverse health outcomes other than cancer. Science of the Total Environment, 2020, 730, 139122.	8.0	54
61	A neural-fuzzy approach to classify the ecological status in surface waters. Environmental Pollution, 2007, 148, 634-641.	7.5	53
62	Monitoring Metals in Blood and Hair of the Population Living Near a Hazardous Waste Incinerator: Temporal Trend. Biological Trace Element Research, 2009, 128, 191-199.	3.5	53
63	Temporal trends in the levels of metals, PCDD/Fs and PCBs in the vicinity of a municipal solid waste incinerator. Preliminary assessment of human health risks. Waste Management, 2015, 43, 168-175.	7.4	53
64	Monitoring metals in the vicinity of a municipal waste incinerator: temporal variation in soils and vegetation. Science of the Total Environment, 1999, 226, 157-164.	8.0	52
65	Lead in children's hair, as related to exposure in Tarragona Province, Spain. Science of the Total Environment, 1991, 104, 167-173.	8.0	51
66	Trends in the Levels of Metals in Soils and Vegetation Samples Collected Near a Hazardous Waste Incinerator. Archives of Environmental Contamination and Toxicology, 2005, 49, 290-298.	4.1	51
67	Environmental monitoring of metals, PCDD/Fs and PCBs as a complementary tool of biological surveillance to assess human health risks. Chemosphere, 2010, 80, 1183-1189.	8.2	51
68	Human Exposure to Metals: Levels in Autopsy Tissues of Individuals Living Near a Hazardous Waste Incinerator. Biological Trace Element Research, 2014, 159, 15-21.	3.5	51
69	Dietary intake of copper, chromium and zinc in Tarragona Province, Spain. Science of the Total Environment, 1993, 132, 3-10.	8.0	50
70	Atmospheric deposition of PCDD/Fs near an old municipal solid waste incinerator: levels in soil and vegetation. Chemosphere, 2000, 40, 593-600.	8.2	50
71	Influence of UV-B Radiation and Temperature on Photodegradation of PAHs: Preliminary Results. Journal of Atmospheric Chemistry, 2006, 55, 241-252.	3.2	50
72	Microplastics levels, size, morphology and composition in marine water, sediments and sand beaches. Case study of Tarragona coast (western Mediterranean). Science of the Total Environment, 2021, 786, 147453.	8.0	50

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73	Concentrations of lead and cadmium in edible vegetables from Tarragona Province, Spain. Science of the Total Environment, 1990, 95, 61-67.	8.0	49
74	PCDD/F levels in the neighbourhood of a municipal solid waste incinerator after introduction of technical improvements in the facility. Environment International, 2002, 28, 19-27.	10.0	48
75	Concentrations of polychlorinated biphenyls (PCBs) and polybrominated diphenyl ethers (PBDEs) in milk of women from Catalonia, Spain. Chemosphere, 2007, 67, S295-S300.	8.2	48
76	Environmental Impact and Human Health Risks of Polychlorinated Dibenzo-p-dioxins and Dibenzofurans in the Vicinity of a New Hazardous Waste Incinerator:Â A Case Study. Environmental Science & Technology, 2006, 40, 61-66.	10.0	47
77	Monitoring Environmental Pollutants in the Vicinity of a Cement Plant: A Temporal Study. Archives of Environmental Contamination and Toxicology, 2011, 60, 372-384.	4.1	47
78	In vitro tests to assess toxic effects of airborne PM10 samples. Correlation with metals and chlorinated dioxins and furans. Science of the Total Environment, 2013, 443, 791-797.	8.0	47
79	Assessing and forecasting the impacts of global change on Mediterranean rivers. The SCARCE Consolider project on Iberian basins. Environmental Science and Pollution Research, 2012, 19, 918-933.	5.3	46
80	Congener profiles of PCDD/Fs in soil and vegetation samples collected near to a municipal waste incinerator. Chemosphere, 2001, 43, 517-524.	8.2	45
81	Health Risk Assessment of PCDD/PCDF Exposure for the Population Living in the Vicinity of a Municipal Waste Incinerator. Archives of Environmental Contamination and Toxicology, 2002, 43, 461-465.	4.1	45
82	Definition and GIS-based characterization of an integral risk index applied to a chemical/petrochemical area. Chemosphere, 2006, 64, 1526-1535.	8.2	45
83	Inferences over the sources and processes affecting polycyclic aromatic hydrocarbons in the atmosphere derived from measured data. Science of the Total Environment, 2010, 408, 2387-2393.	8.0	45
84	Multivariate data evaluation of PCB and dioxin profiles in the general population in Sweden and Spain. Chemosphere, 2000, 40, 1083-1088.	8.2	44
85	PCDD/F and metal concentrations in soil and herbage samples collected in the vicinity of a cement plant. Chemosphere, 2002, 48, 209-217.	8.2	44
86	Exposure to Metals through the Consumption of Fish and Seafood by the Population Living Near the Ebro River in Catalonia, Spain: Health Risks. Human and Ecological Risk Assessment (HERA), 2008, 14, 780-795.	3.4	44
87	Levels of PCDD/Fs, PCBs and PBDEs in breast milk of women living in the vicinity of a hazardous waste incinerator: Assessment of the temporal trend. Chemosphere, 2013, 93, 1533-1540.	8.2	43
88	Application of Self-Organizing Maps for PCDD/F Pattern Recognition of Environmental and Biological Samples to Evaluate the Impact of a Hazardous Waste Incinerator. Environmental Science & Technology, 2010, 44, 3162-3168.	10.0	42
89	A spatial multicriteria decision making tool to define the best agricultural areas for sewage sludge amendment. Environment International, 2012, 38, 1-9.	10.0	42
90	Trace elements in skin-contact clothes and migration to artificial sweat: Risk assessment of human dermal exposure. Textile Reseach Journal, 2017, 87, 726-738.	2.2	42

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91	Adverse health effects for populations living near waste incinerators with special attention to hazardous waste incinerators. A review of the scientific literature. Environmental Research, 2020, 187, 109631.	7.5	42
92	Dioxin and dibenzofuran concentrations in adipose tissue of a general population from Tarragona, Spain. Chemosphere, 1999, 38, 2475-2487.	8.2	41
93	Levels of metals and organic substances in blood and urine of workers at a new hazardous waste incinerator. International Archives of Occupational and Environmental Health, 2001, 74, 263-269.	2.3	41
94	Environmental levels of PCDD/Fs and metals around a cement plant in Catalonia, Spain, before and after alternative fuel implementation. Assessment of human health risks. Science of the Total Environment, 2014, 485-486, 121-129.	8.0	41
95	Review on crosstalk and common mechanisms of endocrine disruptors: Scaffolding to improve PBPK/PD model of EDC mixture. Environment International, 2017, 99, 1-14.	10.0	41
96	Prenatal exposure to PFOS and PFOA in a pregnant women cohort of Catalonia, Spain. Environmental Research, 2019, 175, 384-392.	7.5	41
97	Health risks for the population living near petrochemical industrial complexes. 1. Cancer risks: A review of the scientific literature. Environmental Research, 2020, 186, 109495.	7.5	41
98	Monitoring dioxins and furans in a population living near a hazardous waste incinerator: levels in breast milk. Chemosphere, 2004, 57, 43-49.	8.2	40
99	Levels of dioxins and furans in plasma of nonoccupationally exposed subjects living near a hazardous waste incinerator. Journal of Exposure Science and Environmental Epidemiology, 2005, 15, 29-34.	3.9	40
100	An approach to assess the Particulate Matter exposure for the population living around a cement plant: modelling indoor air and particle deposition in the respiratory tract. Environmental Research, 2015, 143, 10-18.	7.5	40
101	Assessment of sediment ecotoxicological status as a complementary tool for the evaluation of surface water quality: the Ebro river basin case study. Science of the Total Environment, 2015, 503-504, 269-278.	8.0	40
102	Seasonal surveillance of airborne PCDD/Fs, PCBs and PCNs using passive samplers to assess human health risks. Science of the Total Environment, 2014, 466-467, 733-740.	8.0	39
103	Prenatal exposure estimation of BPA and DEHP using integrated external and internal dosimetry: A case study. Environmental Research, 2017, 158, 566-575.	7.5	39
104	Concentrations of dioxins and furans in breast milk of women living near a hazardous waste incinerator in Catalonia, Spain. Environment International, 2019, 125, 334-341.	10.0	39
105	PCDD/F concentrations in soil and vegetation in the vicinity of a municipal waste incinerator after a pronounced decrease in the emissions of PCDD/Fs from the facility. Chemosphere, 2001, 43, 217-226.	8.2	38
106	Two Decades of Environmental Surveillance in the Vicinity of a Waste Incinerator: Human Health Risks Associated with Metals and PCDD/Fs. Archives of Environmental Contamination and Toxicology, 2015, 69, 241-253.	4.1	38
107	Health risks of environmental exposure to metals and herbicides in the Pardo River, Brazil. Environmental Science and Pollution Research, 2017, 24, 20160-20172.	5.3	38
108	Differential protein expression of hippocampal cells associated with heavy metals (Pb, As, and MeHg) neurotoxicity: Deepening into the molecular mechanism of neurodegenerative diseases. Journal of Proteomics, 2018, 187, 106-125.	2.4	38

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109	Levels of 3/Fs in soil samples in the vicinity of a municipal solid waste incinerator. Chemosphere, 1998, 37, 2127-2137.	8.2	37
110	Monitoring Metals in the Population Living in the Vicinity of a Hazardous Waste Incinerator: Levels in Hair of School Children. Biological Trace Element Research, 2005, 104, 203-214.	3.5	37
111	Adaptation strategies for water supply management in a drought prone Mediterranean river basin: Application of outranking method. Science of the Total Environment, 2016, 540, 344-357.	8.0	37
112	Concentrations of trace elements and PCDD/Fs around a municipal solid waste incinerator in Girona (Catalonia, Spain). Human health risks for the population living in the neighborhood. Science of the Total Environment, 2018, 630, 34-45.	8.0	37
113	Mercury concentrations in marine species from the coastal area of Tarragona Province, Spain. Dietary intake of mercury through fish and seafood consumption. Science of the Total Environment, 1994, 156, 269-273.	8.0	36
114	Probabilistic human health risk of PCDD/F exposure: a socioeconomic assessment. Journal of Environmental Monitoring, 2004, 6, 926.	2.1	36
115	Human biomonitoring to evaluate exposure to toxic and essential trace elements during pregnancy. Part B: Predictors of exposure. Environmental Research, 2020, 182, 109108.	7.5	36
116	A design of two simple models to predict PCDD/F concentrations in vegetation and soils. Chemosphere, 2002, 46, 1393-1402.	8.2	35
117	Patterns of PCDDs and PCDFs in human milk and food and their characterization by artificial neural networks. Chemosphere, 2004, 54, 1375-1382.	8.2	35
118	PCDD/F and non-ortho PCB concentrations in adipose tissue of individuals living in the vicinity of a hazardous waste incinerator. Chemosphere, 2004, 57, 357-364.	8.2	35
119	Modification of an environmental surveillance program to monitor PCDD/Fs and metals around a municipal solid waste incinerator. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2009, 44, 1343-1352.	1.7	35
120	Dietary intake of polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/Fs) by a population living in the vicinity of a hazardous waste incinerator. Assessment of the temporal trend. Environment International, 2012, 50, 22-30.	10.0	35
121	Water allocation assessment in low flow river under data scarce conditions: A study of hydrological simulation in Mediterranean basin. Science of the Total Environment, 2012, 440, 60-71.	8.0	35
122	Monitoring PAHs in the petrochemical area of Tarragona County, Spain: comparing passive air samplers with lichen transplants. Environmental Science and Pollution Research, 2017, 24, 11890-11900.	5.3	35
123	Baseline levels of PCDD/Fs in soil and herbage samples collected in the vicinity of a new hazardous waste incinerator in Catalonia, Spain. Chemosphere, 2002, 46, 1343-1350.	8.2	34
124	Comparative In Vitro Toxicity Evaluation of Heavy Metals (Lead, Cadmium, Arsenic, and Methylmercury) on HT-22 Hippocampal Cell Line. Biological Trace Element Research, 2018, 184, 226-239.	3.5	34
125	Early-life intake of major trace elements, bisphenol A, tetrabromobisphenol A and fatty acids: Comparing human milk and commercial infant formulas. Environmental Research, 2019, 169, 246-255.	7.5	34
126	Impact of Contaminants on Microbiota: Linking the Gutâ€"Brain Axis with Neurotoxicity. International Journal of Environmental Research and Public Health, 2022, 19, 1368.	2.6	34

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127	Temporal variation of PCDD/F concentrations in vegetation samples collected in the vicinity of a municipal waste incinerator (1996â€"1997). Science of the Total Environment, 1998, 218, 175-183.	8.0	33
128	Concentrations of PCDD/PCDFs in plasma of subjects living in the vicinity of a hazardous waste incinerator: Follow-up and modeling validation. Chemosphere, 2008, 73, 901-906.	8.2	33
129	High cancer risks by exposure to PCDD/Fs in the neighborhood of an Integrated Waste Management Facility. Science of the Total Environment, 2017, 607-608, 63-68.	8.0	33
130	Prediction of the bioavailability of potentially toxic elements in freshwaters. Comparison between speciation models and passive samplers. Science of the Total Environment, 2017, 605-606, 211-218.	8.0	33
131	A fuzzy expert system for soil characterization. Environment International, 2008, 34, 950-958.	10.0	32
132	Estimating the environmental impact of micro-pollutants in the low Ebro River (Spain): An approach based on screening toxicity with Vibrio fischeri. Chemosphere, 2008, 72, 715-721.	8.2	32
133	Soil and indoor dust as environmental media of human exposure to As, Cd, Cu, and Pb near a copper smelter in central Chile. Journal of Trace Elements in Medicine and Biology, 2019, 54, 156-162.	3.0	32
134	PCDD/Fs in Soil Samples Collected in the Vicinity of a Municipal Solid Waste Incinerator: Human Health Risks. Archives of Environmental Contamination and Toxicology, 1997, 33, 239-246.	4.1	31
135	Spatial distribution and temporal variation of metals in the vicinity of a municipal solid waste incinerator after a modernization of the flue gas cleaning systems of the facility. Science of the Total Environment, 2002, 284, 205-214.	8.0	31
136	Metal bioavailability in freshwater sediment samples and their influence on ecological status of river basins. Science of the Total Environment, 2016, 540, 287-296.	8.0	31
137	An in vitro cytotoxic approach to assess the toxicity of heavy metals and their binary mixtures on hippocampal HT-22 cell line. Toxicology Letters, 2018, 282, 25-36.	0.8	31
138	Emerging and legacy flame retardants in indoor air and dust samples of Tarragona Province (Catalonia, Spain). Science of the Total Environment, 2022, 806, 150494.	8.0	31
139	Mixture of environmental pollutants in breast milk from a Spanish cohort of nursing mothers. Environment International, 2022, 166, 107375.	10.0	31
140	Application of cattle manure as fertilizer in pastureland: Estimating the incremental risk due to metal accumulation employing a multicompartment model. Environment International, 2006, 32, 724-732.	10.0	30
141	Costâ€"benefit analysis of using sewage sludge as alternative fuel in a cement plant: a case study. Environmental Science and Pollution Research, 2009, 16, 322-328.	5.3	30
142	Levels of metals and PCDD/Fs in the vicinity of a cement plant: Assessment of human health risks. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2011, 46, 1075-1084.	1.7	30
143	Development of a human physiologically based pharmacokinetic (PBPK) model for phthalate (DEHP) and its metabolites: A bottom up modeling approach. Toxicology Letters, 2018, 296, 152-162.	0.8	30
144	Seasonal characterization and dosimetry-assisted risk assessment of indoor particulate matter (PM10-2.5, PM2.5-0.25, and PM0.25) collected in different schools. Environmental Research, 2019, 175, 287-296.	7.5	29

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145	Levels of PCDDs and PCDFs in grasses and weeds collected near a municipal solid waste incinerator. Science of the Total Environment, 1997, 201, 53-62.	8.0	28
146	Autopsy tissues as biological monitors of human exposure to environmental pollutants. A case study: Concentrations of metals and PCDD/Fs in subjects living near a hazardous waste incinerator. Environmental Research, 2017, 154, 269-274.	7.5	28
147	PCDD/PCDF congener profiles in soil and herbage samples collected in the vicinity of a municipal waste incinerator before and after pronounced reductions of PCDD/PCDF emissions from the facility. Chemosphere, 2002, 49, 153-159.	8.2	27
148	Partitioning total variance in risk assessment: Application to a municipal solid waste incinerator. Environmental Modelling and Software, 2009, 24, 247-261.	4.5	27
149	Tracking polycyclic aromatic hydrocarbons in lichens: It's all about the algae. Environmental Pollution, 2015, 207, 441-445.	7.5	27
150	Environmental impact and human health risks of air pollutants near a large chemical/petrochemical complex: Case study in Tarragona, Spain. Science of the Total Environment, 2021, 787, 147550.	8.0	27
151	Annual variation in the levels of metals and PCDD/PCDFs in soil and herbage samples collected near a cement plant. Environment International, 2003, 29, 415-421.	10.0	26
152	Long-term monitoring of dioxins and furans near a municipal solid waste incinerator: human health risks. Waste Management and Research, 2012, 30, 908-916.	3.9	26
153	Biomonitoring of Trace Elements in Hair of Schoolchildren Living Near a Hazardous Waste Incinerator€"A 20 Years Follow-Up. Toxics, 2019, 7, 52.	3.7	26
154	A systems toxicology approach to compare the heavy metal mixtures (Pb, As, MeHg) impact in neurodegenerative diseases. Food and Chemical Toxicology, 2020, 139, 111257.	3.6	26
155	Air-vegetation transfer of PCDD/PCDFs: An assessment of field data and implications for modeling. Environmental Pollution, 2006, 142, 143-150.	7.5	25
156	Population exposure to particulate-matter and related mortality due to the Portuguese wildfires in October 2017 driven by storm Ophelia. Environment International, 2020, 144, 106056.	10.0	25
157	Soil monitoring in the vicinity of a municipal solid waste incinerator: Temporal variation of PCDD/Fs. Chemosphere, 1999, 39, 419-429.	8.2	24
158	Monitoring PCDD/Fs and other organic substances in workers of a hazardous waste incinerator: A case study. Chemosphere, 2007, 67, 574-581.	8.2	24
159	Monitoring Metals near a Hazardous Waste Incinerator. Temporal Trend in Soils and Herbage. Bulletin of Environmental Contamination and Toxicology, 2007, 79, 130-134.	2.7	24
160	Human Health Risk Assessment for Environmental Exposure to Metals in the Catalan Stretch of the Ebro River, Spain. Human and Ecological Risk Assessment (HERA), 2009, 15, 604-623.	3.4	24
161	Application of the Multimedia Urban Model to estimate the emissions and environmental fate of PAHs in Tarragona County, Catalonia, Spain. Science of the Total Environment, 2016, 573, 1622-1629.	8.0	24
162	Performance of Raphidocelis subcapitata exposed to heavy metal mixtures. Science of the Total Environment, 2017, 601-602, 865-873.	8.0	24

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