Ludek Blaha

List of Publications by Year
in descending order

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194	8,156	57631	58464
papers	citations	44 h-index	82 g-index

206	206	206	9878
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	EU-wide monitoring survey on emerging polar organic contaminants in wastewater treatment plant effluents. Water Research, 2013, 47, 6475-6487.	5.3	932
2	Pan-European survey on the occurrence of selected polar organic persistent pollutants in ground water. Water Research, 2010, 44, 4115-4126.	5.3	721
3	Aryl hydrocarbon receptor-mediated activity of mutagenic polycyclic aromatic hydrocarbons determined using in vitro reporter gene assay. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2001, 497, 49-62.	0.9	276
4	Toxins produced in cyanobacterial water blooms - toxicity and risks. Interdisciplinary Toxicology, 2009, 2, 36-41.	1.0	224
5	EXPLORING THE NATURAL ROLE OF MICROCYSTINS-A REVIEW OF EFFECTS ON PHOTOAUTOTROPHIC ORGANISMS1. Journal of Phycology, 2006, 42, 9-20.	1.0	196
6	Temperature Effects Explain Continental Scale Distribution of Cyanobacterial Toxins. Toxins, 2018, 10, 156.	1.5	159
7	European demonstration program on the effect-based and chemical identification and monitoring of organic pollutants in European surface waters. Science of the Total Environment, 2017, 601-602, 1849-1868.	3.9	151
8	Environmental xenobiotics and nuclear receptorsâ€"Interactions, effects and in vitro assessment. Toxicology in Vitro, 2006, 20, 18-37.	1.1	146
9	A European perspective on alternatives to animal testing for environmental hazard identification and risk assessment. Regulatory Toxicology and Pharmacology, 2013, 67, 506-530.	1.3	139
10	What level of estrogenic activity determined by in vitro assays in municipal waste waters can be considered as safe?. Environment International, 2014, 64, 98-109.	4.8	134
11	Ecotoxicity and genotoxicity assessment of cytostatic pharmaceuticals. Environmental Toxicology and Chemistry, 2007, 26, 2208-2214.	2.2	130
12	Mixtures of Chemical Pollutants at European Legislation Safety Concentrations: How Safe Are They?. Toxicological Sciences, 2014, 141, 218-233.	1.4	108
13	Microbiome Composition and Function in Aquatic Vertebrates: Small Organisms Making Big Impacts on Aquatic Animal Health. Frontiers in Microbiology, 2021, 12, 567408.	1.5	107
14	Ecotoxicity and genotoxicity assessment of cytotoxic antineoplastic drugs and their metabolites. Chemosphere, 2010, 81, 253-260.	4.2	106
15	TOXIC EFFECTS AND OXIDATIVE STRESS IN HIGHER PLANTS EXPOSED TO POLYCYCLIC AROMATIC HYDROCARBONS AND THEIR N-HETEROCYCLIC DERIVATIVES. Environmental Toxicology and Chemistry, 2006, 25, 3238.	2.2	94
16	The first occurrence of the cyanobacterial alkaloid toxin cylindrospermopsin in the Czech Republic as determined by immunochemical and LC/MS methods. Toxicon, 2009, 53, 519-524.	0.8	93
17	Evaluation of extraction approaches linked to ELISA and HPLC for analyses of microcystin-LR, -RR and -YR in freshwater sediments with different organic material contents. Analytical and Bioanalytical Chemistry, 2006, 385, 1545-1551.	1.9	92
18	Inhibition of Gap-Junctional Intercellular Communication by Environmentally Occurring Polycyclic Aromatic Hydrocarbons. Toxicological Sciences, 2002, 65, 43-51.	1.4	90

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19	Aryl hydrocarbon receptorâ€mediated and estrogenic activities of oxygenated polycyclic aromatic hydrocarbons and azaarenes originally identified in extracts of river sediments. Environmental Toxicology and Chemistry, 2001, 20, 2736-2743.	2.2	85
20	Toxicity of Hydroxylated and Quinoid PCB Metabolites:â€‰ Inhibition of Gap Junctional Intercellular Communication and Activation of Aryl Hydrocarbon and Estrogen Receptors in Hepatic and Mammary Cells. Chemical Research in Toxicology, 2004, 17, 340-347.	1.7	83
21	Yeast Biosensors for Detection of Environmental Pollutants: Current State and Limitations. Trends in Biotechnology, 2016, 34, 408-419.	4.9	82
22	MICROCYSTIN KINETICS (BIOACCUMULATION AND ELIMINATION) AND BIOCHEMICAL RESPONSES IN COMMON CARP (CYPRINUS CARPIO) AND SILVER CARP (HYPOPHTHALMICHTHYS MOLITRIX) EXPOSED TO TOXIC CYANOBACTERIAL BLOOMS. Environmental Toxicology and Chemistry, 2007, 26, 2687.	2.2	79
23	Aryl hydrocarbon receptor-mediated and estrogenic activities of oxygenated polycyclic aromatic hydrocarbons and azaarenes originally identified in extracts of river sediments. Environmental Toxicology and Chemistry, 2001, 20, 2736-43.	2.2	74
24	Monitoring river sediments contaminated predominantly with polyaromatic hydrocarbons by chemical and in vitro bioassay techniques. Environmental Toxicology and Chemistry, 2001, 20, 1499-1506.	2.2	72
25	Inhibition of Gap Junctional Intercellular Communication by Noncoplanar Polychlorinated Biphenyls: Inhibitory Potencies and Screening for Potential Mode(s) of Action. Toxicological Sciences, 2003, 76, 102-111.	1.4	71
26	Activation of the aryl hydrocarbon receptor by berberine in HepG2 and H4IIE cells: Biphasic effect on CYP1A1. Biochemical Pharmacology, 2005, 70, 925-936.	2.0	71
27	Analyses of cyanobacterial toxins (microcystins, cylindrospermopsin) in the reservoirs of the Czech Republic and evaluation of health risks. Environmental Chemistry Letters, 2008, 6, 223-227.	8.3	70
28	Dietary Intake of Acrylamide and Risk of Breast, Endometrial, and Ovarian Cancers: A Systematic Review and Doseâ€“Response Meta-analysis. Cancer Epidemiology Biomarkers and Prevention, 2020, 29, 1095-1106.	1.1	68
29	Estrogen-, androgen- and aryl hydrocarbon receptor mediated activities in passive and composite samples from municipal waste and surface waters. Environment International, 2013, 59, 372-383.	4.8	64
30	Toxic cyanobacteria and cyanotoxins in European waters â€“ recent progress achieved through the CYANOCOST Action and challenges for further research. Advances in Oceanography and Limnology, 2017, 8, .	0.2	64
31	Selected endocrine disrupting compounds (Vinclozolin, Flutamide, Ketoconazole and Dicofol): Effects on survival, occurrence of males, growth, molting and reproduction of Daphnia magna. Environmental Science and Pollution Research, 2008, 15, 222-227.	2.7	62
32	Oxidative stress and detoxification biomarker responses in aquatic freshwater vertebrates exposed to microcystins and cyanobacterial biomass. Environmental Science and Pollution Research, 2012, 19, 2024-2037.	2.7	60
33	Oxidative Stress Biomarkers are Modulated in Silver Carp (Hypophthalmichthys molitrix Val.) Exposed to Microcystin-Producing Cyanobacterial Water Bloom. Acta Veterinaria Brno, 2004, 73, 477-482.	0.2	60
34	Effect of different cyanobacterial biomasses and their fractions with variable microcystin content on embryonal development of carp (Cyprinus carpio L.). Aquatic Toxicology, 2007, 81, 312-318.	1.9	59
35	Complex evaluation of ecotoxicity and genotoxicity of antimicrobials oxytetracycline and flumequine used in aquaculture. Environmental Toxicology and Chemistry, 2011, 30, 1184-1189.	2.2	59
36	Toxicity of complex cyanobacterial samples and their fractions in Xenopus laevis embryos and the role of microcystins. Aquatic Toxicology, 2006, 80, 346-354.	1.9	58

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37	Drinking water contaminants from epoxy resin-coated pipes: A field study. Water Research, 2016, 103, 133-140.	5.3	58
38	Europe-wide survey of estrogenicity in wastewater treatment plant effluents: the need for the effect-based monitoring. Environmental Science and Pollution Research, 2014, 21, 10970-10982.	2.7	54
39	Repeatability and Reproducibility of the RTgill-W1 Cell Line Assay for Predicting Fish Acute Toxicity. Toxicological Sciences, 2019, 169, 353-364.	1.4	52
40	Tumor promoting properties of a cigarette smoke prevalent polycyclic aromatic hydrocarbon as indicated by the inhibition of gap junctional intercellular communication via phosphatidylcholineâ€specific phospholipase C. Cancer Science, 2008, 99, 696-705.	1.7	49
41	Estrogenic activity in extracts and exudates of cyanobacteria and green algae. Environment International, 2012, 39, 134-140.	4.8	49
42	Concentrations and Seasonal Trends of Extracellular Microcystins in Freshwaters of the Czech Republic â€“ Results of the National Monitoring Program. Clean - Soil, Air, Water, 2007, 35, 348-354.	0.7	48
43	Immunomodulatory Potency of Microcystin, an Important Water-Polluting Cyanobacterial Toxin. Environmental Science & Technology, 2015, 49, 12457-12464.	4.6	48
44	Effects of enrofloxacin, ciprofloxacin, and trimethoprim on two generations of Daphnia magna. Ecotoxicology and Environmental Safety, 2015, 113, 152-158.	2.9	48
45	Do predictions from Species Sensitivity Distributions match with field data?. Environmental Pollution, 2014, 189, 126-133.	3.7	47
46	Toxicity Increases in Ice Containing Monochlorophenols upon Photolysis:Â Environmental Consequences. Environmental Science & Technology, 2004, 38, 2873-2878.	4.6	46
47	CYTOTOXICITY AND ARYL HYDROCARBON RECEPTORâ€“MEDIATED ACTIVITY OF N-HETEROCYCLIC POLYCYCLIC AROMATIC HYDROCARBONS: STRUCTUREâ€“ACTIVITY RELATIONSHIPS. Environmental Toxicology and Chemistry, 2006, 25, 1291.	2.2	45
48	Effects of dissolved microcystins on growth of planktonic photoautotrophs. Phycologia, 2007, 46, 137-142.	0.6	45
49	Effects of N-heterocyclic polyaromatic hydrocarbons on survival, reproduction, and biochemical parameters inDaphnia magna. Environmental Toxicology, 2006, 21, 425-431.	2.1	44
50	Prioritization of hazards of novel flame retardants using the mechanistic toxicology information from ToxCast and Adverse Outcome Pathways. Environmental Sciences Europe, 2019, 31, .	2.6	43
51	AhR-mediated and antiestrogenic activity of humic substances. Chemosphere, 2007, 67, 1096-1101.	4.2	41
52	Endocrine regulation of the reproduction in crustaceans: Identification of potential targets for toxicants and environmental contaminants. Biologia (Poland), 2008, 63, 139-150.	0.8	40
53	Acute, chronic and reproductive toxicity of complex cyanobacterial blooms in Daphnia magna and the role of microcystins. Toxicon, 2014, 79, 11-18.	0.8	40
54	Bioluminescent Vibrio fischeri Assays in the Assessment of Seasonal and Spatial Patterns in Toxicity of Contaminated River Sediments. Frontiers in Microbiology, 2016, 7, 1738.	1.5	40

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55	Age dependency and mutual relations in T and B lymphocyte abnormalities in common variable immunodeficiency patients. Clinical and Experimental Immunology, 2006, 143, 373-379.	1.1	39
56	Removal of Microcystins by Phototrophic Biofilms. A Microcosm Study (6 pp). Environmental Science and Pollution Research, 2005, 12, 369-374.	2.7	38
57	Alteration of steroidogenesis in H295R cells by organic sediment contaminants and relationships to other endocrine disrupting effects. Environment International, 2006, 32, 749-757.	4.8	38
58	Isolation and endotoxin activities of lipopolysaccharides from cyanobacterial cultures and complex water blooms and comparison with the effects of heterotrophic bacteria and green alga. Journal of Applied Toxicology, 2008, 28, 72-77.	1.4	38
59	Climate finance and green growth: reconsidering climate-related institutions, investments, and priorities in Nepal. Environmental Sciences Europe, 2019, 31, .	2.6	38
60	Activation of Ah receptor by pure humic acids. Environmental Toxicology, 2006, 21, 338-342.	2.1	37
61	Inhibition of Gap Junctional Intercellular Communication and Activation of Mitogen-Activated Protein Kinase by Tumor-Promoting Organic Peroxides and Protection by Resveratrol. Nutrition and Cancer, 2007, 57, 38-47.	0.9	37
62	Biological plausibility as a tool to associate analytical data for micropollutants and effect potentials in wastewater, surface water, and sediments with effects in fishes. Water Research, 2015, 72, 127-144.	5.3	35
63	Comparison of 17 biotests for detection of cyanobacterial toxicity. Environmental Toxicology, 2004, 19, 310-317.	2.1	34
64	Acute and (sub)chronic toxicity of the neonicotinoid imidacloprid on Chironomus riparius. Chemosphere, 2018, 209, 568-577.	4.2	34
65	Phytoestrogens and sterols in waters with cyanobacterial blooms -ÂAnalytical methods and estrogenic potencies. Chemosphere, 2017, 170, 104-112.	4.2	33
66	Mitochondrial Toxicity of Microcystin-LR on Cultured Cells: Application to the Analysis of Contaminated Water Samples. Environmental Science & Technology, 2010, 44, 2535-2541.	4.6	31
67	Changes in concentrations of hydrophilic organic contaminants and of endocrine-disrupting potential downstream of small communities located adjacent to headwaters. Environment International, 2012, 45, 22-31.	4.8	31
68	Expert opinion on toxicity profilingâ€"report from a NORMAN expert group meeting. Integrated Environmental Assessment and Management, 2013, 9, 185-191.	1.6	31
69	Endocrine effects of contaminated sediments on the freshwater snail Potamopyrgus antipodarum in vivo and in the cell bioassays in vitro. Aquatic Toxicology, 2008, 89, 172-179.	1.9	30
70	In vitro modulation of intracellular receptor signaling and cytotoxicity induced by extracts of cyanobacteria, complex water blooms and their fractions. Aquatic Toxicology, 2011, 105, 497-507.	1.9	30
71	Teratogenicity and Embryotoxicity in Aquatic Organisms After Pesticide Exposure and the Role of Oxidative Stress. Reviews of Environmental Contamination and Toxicology, 2011, 211, 25-61.	0.7	30
72	A European Multi Lake Survey dataset of environmental variables, phytoplankton pigments and cyanotoxins. Scientific Data, 2018, 5, 180226.	2.4	30

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73	Effects of cyanobacterial biomass and purified microcystins on malformations inXenopus laevis: Teratogenesis assay (FETAX). Environmental Toxicology, 2002, 17, 547-555.	2.1	29
74	Toxicity and modulations of biomarkers inXenopus laevis embryos exposed to polycyclic aromatic hydrocarbons and theirN-heterocyclic derivatives. Environmental Toxicology, 2006, 21, 590-598.	2.1	29
75	Are In Vitro Methods for the Detection of Endocrine Potentials in the Aquatic Environment Predictive for In Vivo Effects? Outcomes of the Projects SchussenAktiv and SchussenAktivplus in the Lake Constance Area, Germany. PLoS ONE, 2014, 9, e98307.	1.1	29
76	Immunomodulatory effects of cyanobacterial toxin cylindrospermopsin on innate immune cells. Chemosphere, 2019, 226, 439-446.	4.2	29
77	A novel approach for monitoring of cyanobacterial toxins: development and evaluation of the passive sampler for microcystins. Analytical and Bioanalytical Chemistry, 2008, 390, 1167-1172.	1.9	28
78	Effects of microcystin and complex cyanobacterial samples on the growth and oxidative stress parameters in green alga Pseudokirchneriella subcapitata and comparison with the model oxidative stressorâ€"herbicide paraquat. Environmental Toxicology, 2011, 26, 641-648.	2.1	27
79	Can zero-valent iron nanoparticles remove waterborne estrogens?. Journal of Environmental Management, 2015, 150, 387-392.	3.8	27
80	An adverse outcome pathway based in vitro characterization of novel flame retardants-induced hepatic steatosis. Environmental Pollution, 2021, 289, 117855.	3.7	27
81	Endocrine disrupting potential of replacement flame retardants â€“ Review of current knowledge for nuclear receptors associated with reproductive outcomes. Environment International, 2021, 153, 106550.	4.8	26
82	Identifying the Research and Infrastructure Needs for the Global Assessment of Hazardous Chemicals Ten Years after Establishing the Stockholm Convention. Environmental Science & Technology, 2011, 45, 7617-7619.	4.6	25
83	The isolation and characterization of lipopolysaccharides from Microcystis aeruginosa, a prominent toxic water bloom forming cyanobacteria. Toxicon, 2013, 76, 187-196.	0.8	25
84	INDUCTION OF ARYL HYDROCARBON RECEPTORâ€"MEDIATED AND ESTROGEN RECEPTORâ€"MEDIATED ACTIVITIES, AND MODULATION OF CELL PROLIFERATION BY DINAPHTHOFURANS. Environmental Toxicology and Chemistry, 2004, 23, 2214.	2.2	24
85	Polychlorinated naphthalenes and other dioxinâ€like compounds in Elbe River sediments. Environmental Toxicology and Chemistry, 2008, 27, 519-528.	2.2	24
86	Association of Surface Contamination by Antineoplastic Drugs With Different Working Conditions in Hospital Pharmacies. Archives of Environmental and Occupational Health, 2014, 69, 148-158.	0.7	24
87	Identification of algal growth inhibitors in treated waste water using effect-directed analysis based on non-target screening techniques. Journal of Hazardous Materials, 2018, 358, 494-502.	6.5	24
88	Assessment of Hepatotoxic Potential of Cyanobacterial Toxins Using 3D In Vitro Model of Adult Human Liver Stem Cells. Environmental Science & Technology, 2018, 52, 10078-10088.	4.6	24
89	Advanced oxidation processes for the removal of cyanobacterial toxins from drinking water. Environmental Sciences Europe, 2020, 32, .	2.6	24
90	Sublethal Toxic Effects and Induction of gGutathione S-transferase by Short-Chain Chlorinated Paraffins (SCCPs) and C-12 alkane (dodecane) in Xenopus laevis Frog Embryos. Acta Veterinaria Brno, 2006, 75, 115-122.	0.2	24

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91	LC-MS analyses of microcystins in fish tissues overestimate toxin levelsâ€"critical comparison with LC-MS/MS. Analytical and Bioanalytical Chemistry, 2010, 398, 1231-1237.	1.9	23
92	Inhibition of gap-junctional intercellular communication and activation of mitogen-activated protein kinases by cyanobacterial extracts â€“ Indications of novel tumor-promoting cyanotoxins?. Toxicon, 2010, 55, 126-134.	0.8	23
93	Evaluation of the Efficacy of Additional Measures Introduced for the Protection of Healthcare Personnel Handling Antineoplastic Drugs. Annals of Occupational Hygiene, 2012, 57, 240-50.	1.9	23
94	Interference of PAHs and their N-heterocyclic analogs with signaling of retinoids in vitro. Toxicology in Vitro, 2008, 22, 1909-1917.	1.1	22
95	SchussenAktivplus: reduction of micropollutants and of potentially pathogenic bacteria for further water quality improvement of the river Schussen, a tributary of Lake Constance, Germany. Environmental Sciences Europe, 2013, 25, .	2.6	22
96	Outcomes of Repeated Exposure of the Carp (Cyprinus carpio L.) to Cyanobacteria Extract. Acta Veterinaria Brno, 2004, 73, 259-265.	0.2	22
97	Contamination of drinking water in the Czech Republic by microcystins. Archiv FÃ¼r Hydrobiologie, 2003, 158, 421-429.	1.1	21
98	Interference of contaminated sediment extracts and environmental pollutants with retinoid signaling. Environmental Toxicology and Chemistry, 2007, 26, 1591-1599.	2.2	21
99	The effects of PAHs and N-PAHs on retinoid signaling and Oct-4 expression in vitro. Toxicology Letters, 2011, 200, 169-175.	0.4	20
100	The Exposome and Toxicology: A Winâ€"Win Collaboration. Toxicological Sciences, 2022, 186, 1-11.	1.4	20
101	Quaternary benzo[c]phenathridine alkaloids sanguinarine and chelerythrine do not affect transcriptional activity of aryl hydrocarbon receptor: Analyses in rat hepatoma cell line H4IIE.luc. Food and Chemical Toxicology, 2006, 44, 1466-1473.	1.8	19
102	Determination of atrazine in surface waters by combination of POCIS passive sampling and ELISA detection. Journal of Environmental Monitoring, 2011, 13, 2582.	2.1	19
103	Enantioselective effects of alpha-hexachlorocyclohexane (HCH) isomers on androgen receptor activity in vitro. Chemosphere, 2012, 86, 65-69.	4.2	19
104	Validation of the species sensitivity distribution in retrospective risk assessment of herbicides at the river basin scaleâ€"the Scheldt river basin case study. Environmental Science and Pollution Research, 2013, 20, 6070-6084.	2.7	19
105	Teratogenic effects of five anticancer drugs on Xenopus laevis embryos. Ecotoxicology and Environmental Safety, 2016, 133, 90-96.	2.9	19
106	Environmentally relevant mixture of S-metolachlor and its two metabolites affects thyroid metabolism in zebrafish embryos. Aquatic Toxicology, 2020, 221, 105444.	1.9	19
107	Estrogenicity of chemical mixtures revealed by a panel of bioassays. Science of the Total Environment, 2021, 785, 147284.	3.9	19
108	Toxicity of Crude Extracts of Cyanobacteria for Embryos and Larvae of Carp (Cyprinus carpio L.). Acta Veterinaria Brno, 2003, 72, 437-443.	0.2	19

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109	Stratification strength and light climate explain variation in chlorophyll <scp>a</scp> at the continental scale in a European multilake survey in a heatwave summer. Limnology and Oceanography, 2021, 66, 4314-4333.	1.6	19
110	QSAR for acute toxicity of saturated and unsaturated halogenated aliphatic compounds. Chemosphere, 1998, 36, 1345-1365.	4.2	18
111	Evaluation of the novel passive sampler for cyanobacterial toxins microcystins under various conditions including field sampling. Analytical and Bioanalytical Chemistry, 2010, 397, 823-828.	1.9	18
112	Utilization of the solid sorbent media in monitoring of airborne cyclophosphamide concentrations and the implications for occupational hygiene. Journal of Environmental Monitoring, 2011, 13, 1480.	2.1	18
113	Modulation of gap-junctional intercellular communication by a series of cyanobacterial samples from nature and laboratory cultures. Toxicon, 2011, 58, 76-84.	0.8	18
114	Simultaneous determination of reduced and oxidized glutathione in tissues by a novel liquid chromatography-mass spectrometry method: application in an inhalation study of Cd nanoparticles. Analytical and Bioanalytical Chemistry, 2014, 406, 5867-5876.	1.9	18
115	Reduction of dioxin-like toxicity in effluents by additional wastewater treatment and related effects in fish. Ecotoxicology and Environmental Safety, 2016, 132, 47-58.	2.9	18
116	Biochemical parameters of blood plasma and content of microcystins in tissues of common carp (Cyprinus carpioL.) from a hypertrophic pond with cyanobacterial water bloom. Aquaculture Research, 2009, 40, 1683-1693.	0.9	17
117	Dioxins and dioxin-like compounds in composts and digestates from European countries as determined by the in vitro bioassay and chemical analysis. Chemosphere, 2015, 122, 168-175.	4.2	17
118	Metallothionein modulation in relation to cadmium bioaccumulation and age-dependent sensitivity of Chironomus riparius larvae. Environmental Science and Pollution Research, 2016, 23, 10504-10513.	2.7	17
119	Tumor-promoting cyanotoxin microcystin-LR does not induce procarcinogenic events in adult human liver stem cells. Toxicology and Applied Pharmacology, 2018, 345, 103-113.	1.3	17
120	Kinetic bacterial bioluminescence assay for contact sediment toxicity testing: Relationships with the matrix composition and contamination. Environmental Toxicology and Chemistry, 2010, 29, 507-514.	2.2	16
121	Temporal and spatial variability of cyanobacterial toxins microcystins in three interconnected freshwater reservoirs. Journal of the Serbian Chemical Society, 2010, 75, 1303-1312.	0.4	16
122	POCIS sampling in combination with ELISA: Screening of sulfonamide residues in surface and waste waters. Journal of Environmental Monitoring, 2012, 14, 250-257.	2.1	16
123	Freshwater ecosystems profit from activated carbon-based wastewater treatment across various levels of biological organisation in a short timeframe. Environmental Sciences Europe, 2019, 31, .	2.6	16
124	Separation of microcystins by capillary electrochromatography in monolithic columns. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2006, 841, 140-144.	1.2	15
125	Chronic toxicity of contaminated sediments on reproduction and histopathology of the crustacean Gammarus fossarum and relationship with the chemical contamination and in vitro effects. Journal of Soils and Sediments, 2010, 10, 423-433.	1.5	14
126	Accumulation of Microcystins in Nile Tilapia, Oreochromis niloticus L., and Effects of a Complex Cyanobacterial Bloom on the Dietetic Quality of Muscles. Bulletin of Environmental Contamination and Toxicology, 2011, 87, 26-30.	1.3	14

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127	Assessment of silver nanoparticle toxicity for common carp (Cyprinus carpio) fish embryos using a novel method controlling the agglomeration in the aquatic media. Environmental Science and Pollution Research, 2015, 22, 19124-19132.	2.7	14
128	The effects of nano-sized PbO on biomarkers of membrane disruption and DNA damage in a sub-chronic inhalation study on mice. Nanotoxicology, 2020, 14, 214-231.	1.6	14
129	Antifouling performance of photocatalytic superhydrophobic coatings against Klebsormidium alga. Journal of Environmental Chemical Engineering, 2020, 8, 104153.	3.3	14
130	Phytoestrogens in milk: Overestimations caused by contamination of the hydrolytic enzyme used during sample extraction. Journal of Dairy Science, 2016, 99, 6973-6982.	1.4	13
131	Cylindrospermopsin is effectively degraded in water by pulsed corona-like and dielectric barrier discharges. Environmental Pollution, 2020, 266, 115423.	3.7	13
132	InÂvivo effects of microcystins and complex cyanobacterial biomass on rats (Rattus norvegicus var.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.8	12
133	Comparison of imidacloprid, propiconazole, and nanopropiconazole effects on the development, behavior, and gene expression biomarkers of the Pacific oyster (Magallana gigas). Science of the Total Environment, 2021, 764, 142921.	3.9	12
134	Histopathology of Carp (Cyprinus carpio L.) Larvae Exposed to Cyanobacteria Extract. Acta Veterinaria Brno, 2004, 73, 253-257.	0.2	12
135	Inhibitors of arachidonic acid metabolism potentiate tumour necrosis factor-Î±-induced apoptosis in HL-60 cells. European Journal of Pharmacology, 2001, 424, 1-11.	1.7	11
136	Geosmin occurrence in riverine cyanobacterial mats: is it causing a significant health hazard?. Water Science and Technology, 2004, 49, 307-312.	1.2	11
137	Tumor promoting effects of cyanobacterial extracts are potentiated by anthropogenic contaminants â€“ Evidence from in vitro study. Chemosphere, 2012, 89, 30-37.	4.2	11
138	Novel metabolites in cyanobacterium Cylindrospermopsis raciborskii with potencies to inhibit gap junctional intercellular communication. Journal of Hazardous Materials, 2013, 262, 571-579.	6.5	11
139	In vitro assessment of sex steroids and related compounds in water and sediments â€“ a critical review. Environmental Sciences: Processes and Impacts, 2018, 20, 270-287.	1.7	11
140	Cylindrospermopsin induces cellular stress and activation of ERK1/2 and p38 MAPK pathways in adult human liver stem cells. Chemosphere, 2019, 227, 43-52.	4.2	11
141	Concentrations of microcystins in tissues of several fish species from freshwater reservoirs and ponds. Environmental Monitoring and Assessment, 2013, 185, 9717-9727.	1.3	10
142	Assessment of non-derivatized Î²-N-methylamino- l -alanine (BMAA) neurotoxin in free form in urine of patients with nonspecific neurological symptoms. Toxicon, 2017, 133, 48-57.	0.8	10
143	Rapid in situ toxicity testing with luminescent bacteria Photorhabdus luminescens and Vibrio fischeri adapted to a small portable luminometer. Environmental Science and Pollution Research, 2017, 24, 3748-3758.	2.7	10
144	ARYL HYDROCARBON RECEPTORâ€“MEDIATED AND ESTROGENIC ACTIVITIES OF OXYGENATED POLYCYCLIC AROMATIC HYDROCARBONS AND AZAARENES ORIGINALLY IDENTIFIED IN EXTRACTS OF RIVER SEDIMENTS. Environmental Toxicology and Chemistry, 2001, 20, 2736.	2.2	10

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145	Critical assessment of the research outcomes of European birth cohorts: linking environmental factors with non-communicable diseases. Public Health, 2017, 145, 136-145.	1.4	9
146	Immunomodulatory effects of selected cyanobacterial peptides inÂvitro. Toxicon, 2018, 149, 20-25.	0.8	9
147	The efficiency of antineoplastic drug contamination removal by widely used disinfectantsâ€“laboratory and hospital studies. International Archives of Occupational and Environmental Health, 2021, 94, 1687-1702.	1.1	9
148	Instrumental and bioanalytical assessment of pharmaceuticals and hormone-like compounds in a major drinking water sourceâ€”wastewater receiving Zayandeh Rood river, Iran. Environmental Science and Pollution Research, 2022, 29, 9023-9037.	2.7	9
149	Microbiotests for cyanobacterial toxins screening. , 2000, , 519-525.		9
150	Effects of Different Oxygen Saturation on Activity of Complex Biomass and Aqueous Crude Extract of Cyanobacteria During Embryonal Development in Carp (Cyprinus carpio L.). Acta Veterinaria Brno, 2007, 76, 291-299.	0.2	9
151	Ready to go 3D? A semi-automated protocol for microwell spheroid arrays to increase scalability and throughput of 3D cell culture testing. Toxicology Mechanisms and Methods, 2020, 30, 590-604.	1.3	8
152	Occurrence of cylindrospermopsin, anatoxin-a and their homologs in the southern Czech Republic â€“ Taxonomical, analytical, and molecular approaches. Harmful Algae, 2021, 108, 102101.	2.2	8
153	Branched Poly(ethylene imine)s as Antiâ€algal and Antiâ€cyanobacterial Agents with Selective Flocculation Behavior to Cyanobacteria over Algae. Macromolecular Bioscience, 2018, 18, e1800187.	2.1	7
154	Freshwater Cyanotoxin Cylindrospermopsin Has Detrimental Stage-specific Effects on Hepatic Differentiation From Human Embryonic Stem Cells. Toxicological Sciences, 2019, 168, 241-251.	1.4	7
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