

Roman Grabic

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

169 papers	6,343 citations	44 h-index	72 g-index
183 ext. papers	7,328 ext. citations	6.8 avg, IF	5.82 L-index

#	Paper	IF	Citations
169	Water reuse for aquaculture: Comparative removal efficacy and aquatic hazard reduction of pharmaceuticals by a pond treatment system during a one year study. <i>Journal of Hazardous Materials</i> , 2022 , 421, 126712	12.8	6
168	A novel multiscale biophysical model to predict the fate of ionizable compounds in the soil-plant continuum. <i>Journal of Hazardous Materials</i> , 2022 , 423, 127008	12.8	3
167	Metabolome adaptation and oxidative stress response of common carp (<i>Cyprinus carpio</i>) to altered water pollution levels.. <i>Environmental Pollution</i> , 2022 , 303, 119117	9.3	1
166	Sorption of 71 Pharmaceuticals to Powder Activated Carbon for Improved Wastewater Treatment. <i>Clean Technologies</i> , 2022 , 4, 296-308	3.4	
165	Desorption of pharmaceuticals and illicit drugs from different stabilized sludge types across pH. <i>Water Research</i> , 2022 , 118651	12.5	0
164	Prescribed aggression of fishes: Pharmaceuticals modify aggression in environmentally relevant concentrations. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 227, 112944	7	3
163	Activation of a Cryptic Manumycin-Type Biosynthetic Gene Cluster of DSM44229 by Series of Genetic Manipulations. <i>Microorganisms</i> , 2021 , 9,	4.9	1
162	Traces of tramadol in water impact behaviour in a native European fish. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 212, 111999	7	5
161	Methamphetamine pollution elicits addiction in wild fish. <i>Journal of Experimental Biology</i> , 2021 , 224,	3	11
160	Bisphenols emerging in Norwegian and Czech aquatic environments show transthyretin binding potency and other less-studied endocrine-disrupting activities. <i>Science of the Total Environment</i> , 2021 , 751, 141801	10.2	14
159	In situ calibration of polar organic chemical integrative sampler (POCIS) for monitoring of pharmaceuticals in surface waters. <i>Environmental Pollution</i> , 2021 , 269, 116121	9.3	7
158	De facto reuse at the watershed scale: Seasonal changes, population contributions, instream flows and water quality hazards of human pharmaceuticals. <i>Environmental Pollution</i> , 2021 , 268, 115888	9.3	1
157	Neuroactive drugs and other pharmaceuticals found in blood plasma of wild European fish. <i>Environment International</i> , 2021 , 146, 106188	12.9	9
156	On the Use of Mechanistic Soil-Plant Uptake Models: A Comprehensive Experimental and Numerical Analysis on the Translocation of Carbamazepine in Green Pea Plants. <i>Environmental Science & Technology</i> , 2021 , 55, 2991-3000	10.3	7
155	Inter-laboratory mass spectrometry dataset based on passive sampling of drinking water for non-target analysis. <i>Scientific Data</i> , 2021 , 8, 223	8.2	2
154	Biochar: An efficient sorption material for the removal of pharmaceutically active compounds, DNA and RNA fragments from wastewater. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105746	6.8	6
153	Instrumental and bioanalytical assessment of pharmaceuticals and hormone-like compounds in a major drinking water source-wastewater receiving Zayandeh Rood river, Iran. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	1

152	Effervescent ferrate(VI)-based tablets as an effective means for removal SARS-CoV-2 RNA, pharmaceuticals and resistant bacteria from wastewater.. <i>Journal of Water Process Engineering</i> , 2021 , 43, 102223	6.7	4
151	Determination of citalopram in fish brain tissue: benefits of coupling laser diode thermal desorption with low- and high-resolution mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 4353-4361	4.4	3
150	Influence of boron doped diamond electrodes properties on the elimination of selected pharmaceuticals from wastewater. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 862, 114007	4.1	3
149	Non-antimicrobial pharmaceuticals can affect the development of antibiotic resistance in hospital wastewater. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 13501-13511	5.1	4
148	Psychoactive pharmaceuticals in aquatic systems: A comparative assessment of environmental monitoring approaches for water and fish. <i>Environmental Pollution</i> , 2020 , 261, 114150	9.3	19
147	Environmental concentration of methamphetamine induces pathological changes in brown trout (<i>Salmo trutta fario</i>). <i>Chemosphere</i> , 2020 , 254, 126882	8.4	2
146	Uptake, translocation and transformation of three pharmaceuticals in green pea plants. <i>Journal of Hydrology and Hydromechanics</i> , 2020 , 68, 1-11	2.1	15
145	Environmentally relevant levels of four psychoactive compounds vary in their effects on freshwater fish condition: a brain concentration evidence approach. <i>PeerJ</i> , 2020 , 8, e9356	3.1	4
144	Spatio-temporal assessment of illicit drug use at large scale: evidence from 7 years of international wastewater monitoring. <i>Addiction</i> , 2020 , 115, 109-120	4.6	88
143	Ultrafast laser diode thermal desorption method for analysis of representative pharmaceuticals in soil leachate samples. <i>Talanta</i> , 2020 , 208, 120382	6.2	4
142	Chronic simultaneous exposure of common carp (<i>Cyprinus carpio</i>) from embryonic to juvenile stage to drospirenone and gestodene at low ng/L level caused intersex. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 188, 109912	7	9
141	Water reuse and aquaculture: Pharmaceutical bioaccumulation by fish during tertiary treatment in a wastewater stabilization pond. <i>Environmental Pollution</i> , 2020 , 267, 115593	9.3	10
140	Competitive and synergic sorption of carbamazepine, citalopram, clindamycin, fexofenadine, irbesartan and sulfamethoxazole in seven soils. <i>Journal of Contaminant Hydrology</i> , 2020 , 234, 103680	3.9	12
139	Microbial responses to selected pharmaceuticals in agricultural soils: Microcosm study on the roles of soil, treatment and time. <i>Soil Biology and Biochemistry</i> , 2020 , 149, 107924	7.5	12
138	How microbial community composition, sorption and simultaneous application of six pharmaceuticals affect their dissipation in soils. <i>Science of the Total Environment</i> , 2020 , 746, 141134	10.2	7
137	Boron doped diamond electrode The elimination of psychoactive drugs and resistant bacteria from wastewater. <i>Vacuum</i> , 2020 , 171, 108957	3.7	9
136	Soil influences on uptake and transfer of pharmaceuticals from sewage sludge amended soils to spinach. <i>Journal of Environmental Management</i> , 2019 , 250, 109407	7.9	27
135	Hospital wastewaters treatment: Fenton reaction vs. BDDE vs. ferrate(VI). <i>Environmental Science and Pollution Research</i> , 2019 , 26, 31812-31821	5.1	7

134	Behaviour and cardiac response to stress in signal crayfish exposed to environmental concentrations of tramadol. <i>Aquatic Toxicology</i> , 2019 , 213, 105217	5.1	10
133	Environmentally relevant concentrations of methamphetamine and sertraline modify the behavior and life history traits of an aquatic invertebrate. <i>Aquatic Toxicology</i> , 2019 , 213, 105222	5.1	12
132	Oxazepam Alters the Behavior of Crayfish at Diluted Concentrations, Venlafaxine Does Not. <i>Water (Switzerland)</i> , 2019 , 11, 196	3	11
131	Host-parasite interaction as a toxicity test endpoint using asymmetrical exposures. <i>Aquatic Toxicology</i> , 2019 , 211, 173-180	5.1	4
130	Root uptake of atenolol, sulfamethoxazole and carbamazepine, and their transformation in three soils and four plants. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 9876-9891	5.1	36
129	Suitability and setup of next-generation sequencing-based method for taxonomic characterization of aquatic microbial biofilm. <i>Folia Microbiologica</i> , 2019 , 64, 9-17	2.8	4
128	Industrial wastewater treatment plant enriches antibiotic resistance genes and alters the structure of microbial communities. <i>Water Research</i> , 2019 , 162, 437-445	12.5	45
127	Music festivals and drugs: Wastewater analysis. <i>Science of the Total Environment</i> , 2019 , 659, 326-334	10.2	24
126	Effect of polycyclic musk compounds on aquatic organisms: A critical literature review supplemented by own data. <i>Science of the Total Environment</i> , 2019 , 651, 2235-2246	10.2	23
125	Analytical and bioanalytical assessments of organic micropollutants in the Bosna River using a combination of passive sampling, bioassays and multi-residue analysis. <i>Science of the Total Environment</i> , 2019 , 650, 1599-1612	10.2	24
124	Effects of Multi-Component Mixtures from Sewage Treatment Plant Effluent on Common Carp (<i>Cyprinus carpio</i>) under Fully Realistic Condition. <i>Environmental Management</i> , 2019 , 63, 466-484	3.1	10
123	Two synthetic progestins and natural progesterone are responsible for most of the progestagenic activities in municipal wastewater treatment plant effluents in the Czech and Slovak republics. <i>Water Research</i> , 2018 , 137, 64-71	12.5	32
122	Effect-based monitoring of the Danube River using mobile passive sampling. <i>Science of the Total Environment</i> , 2018 , 636, 1608-1619	10.2	24
121	Development of a robust extraction procedure for the HPLC-ESI-HRPS determination of multi-residual pharmaceuticals in biota samples. <i>Analytica Chimica Acta</i> , 2018 , 1022, 53-60	6.6	38
120	Pharmaceuticals and illicit drugs - A new threat to the application of sewage sludge in agriculture. <i>Science of the Total Environment</i> , 2018 , 634, 606-615	10.2	70
119	Biomarker response, health indicators, and intestinal microbiome composition in wild brown trout (<i>Salmo trutta m. fario</i> L.) exposed to a sewage treatment plant effluent-dominated stream. <i>Science of the Total Environment</i> , 2018 , 625, 1494-1509	10.2	19
118	Fate of perfluoroalkyl substances within a small stream food web affected by sewage effluent. <i>Water Research</i> , 2018 , 134, 226-233	12.5	14
117	Sorption of citalopram, irbesartan and fexofenadine in soils: Estimation of sorption coefficients from soil properties. <i>Chemosphere</i> , 2018 , 195, 615-623	8.4	24

116	The effects of sewage treatment plant effluents on hepatic and intestinal biomarkers in common carp (<i>Cyprinus carpio</i>). <i>Science of the Total Environment</i> , 2018 , 635, 1160-1169	10.2	18
115	Prevalence of antibiotic-resistant coliform bacteria, <i>Enterococcus</i> spp. and <i>Staphylococcus</i> spp. in wastewater sewerage biofilm. <i>Journal of Global Antimicrobial Resistance</i> , 2018 , 14, 145-151	3.4	17
114	Multi-year inter-laboratory exercises for the analysis of illicit drugs and metabolites in wastewater: Development of a quality control system. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 103, 34-43	14.6	62
113	Transport of pharmaceuticals and their metabolites between water and sediments as a further potential exposure for aquatic organisms. <i>Journal of Hazardous Materials</i> , 2018 , 342, 401-407	12.8	54
112	Do progestins contribute to (anti-)androgenic activities in aquatic environments?. <i>Environmental Pollution</i> , 2018 , 242, 417-425	9.3	9
111	Complex effects of pollution on fish in major rivers in the Czech Republic. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 164, 92-99	7	8
110	Determination of progestogens in surface and waste water using SPE extraction and LC-APCI/APPI-HRPS. <i>Science of the Total Environment</i> , 2018 , 621, 1066-1073	10.2	39
109	Environmentally relevant concentrations of tramadol and citalopram alter behaviour of an aquatic invertebrate. <i>Aquatic Toxicology</i> , 2018 , 200, 226-232	5.1	36
108	3D printed polyvinyl alcohol ferrate(VI) capsules: Effective means for the removal of pharmaceuticals and illicit drugs from wastewater. <i>Chemical Engineering Journal</i> , 2018 , 349, 269-275	14.7	23
107	Monitoring of micropollutants and resistant bacteria in wastewater and their effective removal by boron doped diamond electrode. <i>Monatshefte für Chemie</i> , 2017 , 148, 539-548	1.4	7
106	Screening of benzodiazepines in thirty European rivers. <i>Chemosphere</i> , 2017 , 176, 324-332	8.4	37
105	Estimation of amount of selected pharmaceuticals sorbed onto digested sludge from wastewater treatment plant Bratislava-Petržalka. <i>Environmental Research</i> , 2017 , 155, 31-35	7.9	19
104	Removal of 30 active pharmaceutical ingredients in surface water under long-term artificial UV irradiation. <i>Chemosphere</i> , 2017 , 176, 175-182	8.4	20
103	Comparison of passive sampling and biota for monitoring of tonalide in aquatic environment. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 22251-22257	5.1	2
102	Bioaccumulation of psychoactive pharmaceuticals in fish in an effluent dominated stream. <i>Water Research</i> , 2017 , 124, 654-662	12.5	98
101	Antibiotics degradation in soil: A case of clindamycin, trimethoprim, sulfamethoxazole and their transformation products. <i>Environmental Pollution</i> , 2017 , 220, 1251-1263	9.3	43
100	Endemic shrimp <i>Macrobrachium pantanalense</i> as a test species to assess potential contamination by pesticides in Pantanal (Brazil). <i>Chemosphere</i> , 2017 , 168, 1082-1092	8.4	12
99	Frequency and use of pharmaceuticals in selected Slovakian town via wastewater analysis. <i>Monatshefte für Chemie</i> , 2017 , 148, 441-448	1.4	8

98	Development and application of LC/HRPS for quantification of adenine nucleotides, creatine phosphate, and creatine in sturgeon spermatozoa. <i>Czech Journal of Animal Science</i> , 2017 , 62, 67-74	1.1	6
97	Zerovalent iron and iron(VI): Effective means for the removal of psychoactive pharmaceuticals and illicit drugs from wastewaters. <i>Science of the Total Environment</i> , 2016 , 539, 420-426	10.2	37
96	Dominant psychoactive drugs in the Central European region: A wastewater study. <i>Forensic Science International</i> , 2016 , 267, 42-51	2.6	23
95	Transformation of atenolol, metoprolol, and carbamazepine in soils: The identification, quantification, and stability of the transformation products and further implications for the environment. <i>Environmental Pollution</i> , 2016 , 218, 574-585	9.3	41
94	Sub-lethal effects and bioconcentration of the human pharmaceutical clotrimazole in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Chemosphere</i> , 2016 , 159, 10-22	8.4	14
93	Investigation of diltiazem metabolism in fish using a hybrid quadrupole/orbital trap mass spectrometer. <i>Rapid Communications in Mass Spectrometry</i> , 2016 , 30, 1153-62	2.2	3
92	An analysis of the dissipation of pharmaceuticals under thirteen different soil conditions. <i>Science of the Total Environment</i> , 2016 , 544, 369-81	10.2	70
91	Determination of illicit drugs and their metabolites contamination on banknotes. <i>Monatshefte für Chemie</i> , 2016 , 147, 39-43	1.4	6
90	Occurrence of pharmaceuticals, illicit drugs, and resistant types of bacteria in hospital effluent and their effective degradation by boron-doped diamond electrodes. <i>Monatshefte für Chemie</i> , 2016 , 147, 97-103	1.4	13
89	Wastewater analysis: the mean of the monitoring of frequently prescribed pharmaceuticals in Slovakia. <i>Environmental Monitoring and Assessment</i> , 2016 , 188, 18	3.1	19
88	Fate of three anti-influenza drugs during ozonation of wastewater effluents - degradation and formation of transformation products. <i>Chemosphere</i> , 2016 , 150, 723-730	8.4	3
87	Bioconcentration, metabolism and half-life time of the human therapeutic drug diltiazem in rainbow trout <i>Oncorhynchus mykiss</i> . <i>Chemosphere</i> , 2016 , 144, 154-9	8.4	15
86	Perfluoroalkyl substances in aquatic environment-comparison of fish and passive sampling approaches. <i>Environmental Research</i> , 2016 , 144, 92-98	7.9	28
85	Development of fast and robust multiresidual LC-MS/MS method for determination of pharmaceuticals in soils. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 14068-77	5.1	35
84	Simultaneous sorption of four ionizable pharmaceuticals in different horizons of three soil types. <i>Environmental Pollution</i> , 2016 , 218, 563-573	9.3	26
83	Young-of-the-year fish as a prospective bioindicator for aquatic environmental contamination monitoring. <i>Water Research</i> , 2016 , 103, 334-342	12.5	12
82	National monitoring of nicotine use in Czech and Slovak Republic based on wastewater analysis. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 14000-6	5.1	23
81	Fate of psychoactive compounds in wastewater treatment plant and the possibility of their degradation using aquatic plants. <i>Environmental Toxicology and Pharmacology</i> , 2015 , 39, 969-73	5.8	29

80	Does dexamethasone affect hepatic CYP450 system of fish? Semi-static in-vivo experiment on juvenile rainbow trout. <i>Chemosphere</i> , 2015 , 139, 155-62	8.4	8
79	Utilization of Fenton-like reaction for antibiotics and resistant bacteria elimination in different parts of WWTP. <i>Environmental Toxicology and Pharmacology</i> , 2015 , 40, 492-7	5.8	51
78	Presence of pharmaceuticals in benthic fauna living in a small stream affected by effluent from a municipal sewage treatment plant. <i>Water Research</i> , 2015 , 72, 145-53	12.5	95
77	Comparison of illicit drug use in three selected towns in Slovakia by wastewater analysis. <i>Urban Water Journal</i> , 2015 , 12, 519-524	2.3	4
76	Quantification of adenosine triphosphate, adenosine diphosphate, and creatine phosphate in sterlet spermatozoa during maturation. <i>Journal of Animal Science</i> , 2015 , 93, 5214-21	0.7	14
75	Evaluation of different smoking habits during music festivals through wastewater analysis. <i>Environmental Toxicology and Pharmacology</i> , 2015 , 40, 1015-20	5.8	12
74	Pharmaceuticals Sorptions relative to properties of thirteen different soils. <i>Science of the Total Environment</i> , 2015 , 511, 435-43	10.2	106
73	The challenge presented by progestins in ecotoxicological research: a critical review. <i>Environmental Science & Technology</i> , 2015 , 49, 2625-38	10.3	109
72	Fenton-like reaction: a possible way to efficiently remove illicit drugs and pharmaceuticals from wastewater. <i>Environmental Toxicology and Pharmacology</i> , 2015 , 39, 483-8	5.8	46
71	Multivariate relationships between molecular descriptors and isomer distribution patterns of PCBs formed during household waste incineration. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 3082-90	5.1	4
70	Spatial differences and temporal changes in illicit drug use in Europe quantified by wastewater analysis. <i>Addiction</i> , 2014 , 109, 1338-52	4.6	265
69	The progestin levonorgestrel affects hypothalamus-pituitary-gonad axis in pubertal roach (<i>Rutilus rutilus</i>). <i>Toxicology Letters</i> , 2014 , 229, S114-S115	4.4	3
68	National study of illicit drug use in Slovakia based on wastewater analysis. <i>Science of the Total Environment</i> , 2014 , 494-495, 158-65	10.2	68
67	The sub-lethal effects and tissue concentration of the human pharmaceutical atenolol in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Science of the Total Environment</i> , 2014 , 497-498, 209-218	10.2	24
66	Storage effect on the analysis of pharmaceuticals and personal care products in wastewater. <i>Chemosphere</i> , 2014 , 111, 55-60	8.4	49
65	Removal and seasonal variability of selected analgesics/anti-inflammatory, anti-hypertensive/cardiovascular pharmaceuticals and UV filters in wastewater treatment plant. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 7578-85	5.1	67
64	Contamination of fish in important fishing grounds of the Czech Republic. <i>Ecotoxicology and Environmental Safety</i> , 2014 , 109, 101-9	7	19
63	Tissue-specific bioconcentration of antidepressants in fish exposed to effluent from a municipal sewage treatment plant. <i>Science of the Total Environment</i> , 2014 , 488-489, 46-50	10.2	90

62	Pilot study of seasonal occurrence and distribution of antibiotics and drug resistant bacteria in wastewater treatment plants in Slovakia. <i>Science of the Total Environment</i> , 2014 , 490, 440-4	10.2	85
61	The progestin levonorgestrel disrupts gonadotropin expression and sex steroid levels in pubertal roach (<i>Rutilus rutilus</i>). <i>Aquatic Toxicology</i> , 2014 , 154, 154-62	5.1	37
60	Seasonal changes in antibiotics, antidepressants/psychiatric drugs, antihistamines and lipid regulators in a wastewater treatment plant. <i>Chemosphere</i> , 2014 , 111, 418-26	8.4	183
59	Occurrence and behaviour of 105 active pharmaceutical ingredients in sewage waters of a municipal sewer collection system. <i>Water Research</i> , 2014 , 58, 221-9	12.5	144
58	A passive sampling method for detecting analgesics, psycholeptics, antidepressants and illicit drugs in aquatic environments in the Czech Republic. <i>Science of the Total Environment</i> , 2014 , 487, 681-7	10.2	58
57	Intra- and inter-pandemic variations of antiviral, antibiotics and decongestants in wastewater treatment plants and receiving rivers. <i>PLoS ONE</i> , 2014 , 9, e108621	3.7	40
56	Simultaneous determination of 32 antibiotics in aquaculture products using LC-MS/MS. <i>Chemical Papers</i> , 2014 , 68,	1.9	56
55	Multiple biomarkers responses in juvenile rainbow trout, <i>Oncorhynchus mykiss</i> , after acute exposure to a fungicide propiconazole. <i>Environmental Toxicology</i> , 2013 , 28, 119-26	4.2	47
54	Passive sampling of perfluorinated acids and sulfonates using polar organic chemical integrative samplers. <i>Environmental Science and Pollution Research</i> , 2013 , 20, 1344-51	5.1	23
53	Comparison of the quantitative performance of a Q-Exactive high-resolution mass spectrometer with that of a triple quadrupole tandem mass spectrometer for the analysis of illicit drugs in wastewater. <i>Rapid Communications in Mass Spectrometry</i> , 2013 , 27, 1751-62	2.2	94
52	Toxic effects, bioconcentration and depuration of verapamil in the early life stages of common carp (<i>Cyprinus carpio</i> L.). <i>Science of the Total Environment</i> , 2013 , 461-462, 198-206	10.2	22
51	Presence of UV filters in surface water and the effects of phenylbenzimidazole sulfonic acid on rainbow trout (<i>Oncorhynchus mykiss</i>) following a chronic toxicity test. <i>Ecotoxicology and Environmental Safety</i> , 2013 , 96, 41-7	7	57
50	Elimination of interferences caused by simultaneous use of deuterated and carbon-13 standards in GC-MS analysis of polycyclic aromatic hydrocarbons (PAHs) in extracts from passive sampling devices. <i>Analytical Methods</i> , 2013 , 5, 2925	3.2	5
49	Estrogen-, androgen- and aryl hydrocarbon receptor mediated activities in passive and composite samples from municipal waste and surface waters. <i>Environment International</i> , 2013 , 59, 372-83	12.9	53
48	Environmental occurrence of emerging and legacy brominated flame retardants near suspected sources in Norway. <i>Science of the Total Environment</i> , 2013 , 443, 307-14	10.2	62
47	Compliance to oseltamivir among two populations in Oxfordshire, United Kingdom affected by influenza A(H1N1)pdm09, November 2009--a waste water epidemiology study. <i>PLoS ONE</i> , 2013 , 8, e60221	3.7	24
46	The development and application of a system for simultaneously determining anti-infectives and nasal decongestants using on-line solid-phase extraction and liquid chromatography-tandem mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012 , 66, 24-32	3.5	53
45	Comparing illicit drug use in 19 European cities through sewage analysis. <i>Science of the Total Environment</i> , 2012 , 432, 432-9	10.2	353

44	Multi-residue method for trace level determination of pharmaceuticals in environmental samples using liquid chromatography coupled to triple quadrupole mass spectrometry. <i>Talanta</i> , 2012 , 100, 183-95	6.2	113
43	An evaluation of free water surface wetlands as tertiary sewage water treatment of micro-pollutants. <i>Ecotoxicology and Environmental Safety</i> , 2012 , 78, 63-71	7	79
42	Changes in concentrations of hydrophilic organic contaminants and of endocrine-disrupting potential downstream of small communities located adjacent to headwaters. <i>Environment International</i> , 2012 , 45, 22-31	12.9	29
41	Oxidation of pharmaceuticals by chlorine dioxide in biologically treated wastewater. <i>Chemical Engineering Journal</i> , 2012 , 185-186, 236-242	14.7	48
40	Early life progestin exposure causes arrested oocyte development, oviductal agenesis and sterility in adult <i>Xenopus tropicalis</i> frogs. <i>Aquatic Toxicology</i> , 2011 , 103, 18-24	5.1	67
39	Acute toxicity of carbamazepine to juvenile rainbow trout (<i>Oncorhynchus mykiss</i>): effects on antioxidant responses, hematological parameters and hepatic EROD. <i>Ecotoxicology and Environmental Safety</i> , 2011 , 74, 319-27	7	114
38	Determination of sorption of seventy-five pharmaceuticals in sewage sludge. <i>Water Research</i> , 2011 , 45, 4470-82	12.5	200
37	Antioxidant responses and plasma biochemical characteristics in the freshwater rainbow trout, <i>Oncorhynchus mykiss</i> , after acute exposure to the fungicide propiconazole. <i>Czech Journal of Animal Science</i> , 2011 , 56, 61-69	1.1	32
36	Pyrosequencing of antibiotic-contaminated river sediments reveals high levels of resistance and gene transfer elements. <i>PLoS ONE</i> , 2011 , 6, e17038	3.7	379
35	Environmental levels of the antiviral oseltamivir induce development of resistance mutation H274Y in influenza A/H1N1 virus in mallards. <i>PLoS ONE</i> , 2011 , 6, e24742	3.7	44
34	Use of hematological and plasma biochemical parameters to assess the chronic effects of a fungicide propiconazole on a freshwater teleost. <i>Chemosphere</i> , 2011 , 83, 572-8	8.4	58
33	Characterisation and fingerprinting of PCBs in flue gas and ash from waste incineration and in technical mixtures. <i>Chemosphere</i> , 2011 , 85, 509-15	8.4	32
32	Biochemical responses in gills of rainbow trout exposed to propiconazole. <i>Open Life Sciences</i> , 2011 , 6, 84-90	1.2	10
31	Chronic toxicity of verapamil on juvenile rainbow trout (<i>Oncorhynchus mykiss</i>): effects on morphological indices, hematological parameters and antioxidant responses. <i>Journal of Hazardous Materials</i> , 2011 , 185, 870-80	12.8	101
30	Assessment of polycyclic aromatic hydrocarbon contamination of the Břitva River (Czech Republic) using passive water samplers and fish biliary metabolites. <i>Acta Veterinaria Brno</i> , 2011 , 80, 353-357	0.8	7
29	Biochemical and physiological responses in liver and muscle of rainbow trout after long-term exposure to propiconazole. <i>Ecotoxicology and Environmental Safety</i> , 2010 , 73, 1391-6	7	46
28	Effects of exposure to sublethal propiconazole on the antioxidant defense system and Na ⁺ -K ⁺ -ATPase activity in brain of rainbow trout, <i>Oncorhynchus mykiss</i> . <i>Aquatic Toxicology</i> , 2010 , 98, 297-303	5.1	76
27	Polybrominated diphenyl ethers (PBDEs) in selected fish species from the southern Baltic Sea. <i>Chemosphere</i> , 2010 , 78, 695-700	8.4	36

26	Physiological condition status and muscle-based biomarkers in rainbow trout (<i>Oncorhynchus mykiss</i>), after long-term exposure to carbamazepine. <i>Journal of Applied Toxicology</i> , 2010 , 30, 197-203	4.1	44
25	Enzymatic alterations and RNA/DNA ratio in intestine of rainbow trout, <i>Oncorhynchus mykiss</i> , induced by chronic exposure to carbamazepine. <i>Ecotoxicology</i> , 2010 , 19, 872-8	2.9	32
24	Hepatic antioxidant status and hematological parameters in rainbow trout, <i>Oncorhynchus mykiss</i> , after chronic exposure to carbamazepine. <i>Chemico-Biological Interactions</i> , 2010 , 183, 98-104	5	116
23	Effects of exposure to sublethal propiconazole on intestine-related biochemical responses in rainbow trout, <i>Oncorhynchus mykiss</i> . <i>Chemico-Biological Interactions</i> , 2010 , 185, 241-6	5	33
22	Removal of oseltamivir (Tamiflu) and other selected pharmaceuticals from wastewater using a granular bioplastic formulation entrapping propagules of <i>Phanerochaete chrysosporium</i> . <i>Chemosphere</i> , 2010 , 81, 436-43	8.4	45
21	Passive sampling methods for monitoring endocrine disruptors in the Svatka and Svitava rivers in the Czech Republic. <i>Environmental Toxicology and Chemistry</i> , 2010 , 29, 550-5	3.8	29
20	Assessment of contamination of the Svitava and Svatka rivers in the Czech Republic using selected biochemical markers. <i>Environmental Toxicology and Chemistry</i> , 2010 , 29, 541-9	3.8	11
19	Modulation of antioxidant defence system in brain of rainbow trout (<i>Oncorhynchus mykiss</i>) after chronic carbamazepine treatment. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2010 , 151, 137-41	3.2	41
18	Modulation of glutathione-related antioxidant defense system of fish chronically treated by the fungicide propiconazole. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2010 , 152, 392-8	3.2	34
17	Investigation of PCDD/Fs and dl-PCBs in fish from the southern Baltic Sea during the 2002-2006 period. <i>Chemosphere</i> , 2009 , 74, 1509-15	8.4	40
16	Responses of antioxidant status and Na ⁺ -K ⁺ -ATPase activity in gill of rainbow trout, <i>Oncorhynchus mykiss</i> , chronically treated with carbamazepine. <i>Chemosphere</i> , 2009 , 77, 1476-81	8.4	58
15	Background Level of Pops in Ground Water Assessed on Chemical and Toxicity Analysis of Exposed Semipermeable Membrane Devices. <i>Air, Soil and Water Research</i> , 2009 , 2, ASWR.S2128	3.3	2
14	Serum concentrations of indicator PCB congeners in the Czech adult population. <i>Chemosphere</i> , 2008 , 72, 1124-31	8.4	46
13	Biomarkers of Contaminant Exposure in Chub (<i>Leuciscus cephalus</i> L.) - Biomonitoring of Major Rivers in the Czech Republic. <i>Sensors</i> , 2008 , 8, 2589-2603	3.8	19
12	Concentration of organochlorine pollutants in surface waters of the central European biosphere reserve Krivoklatsko. <i>Environmental Science and Pollution Research</i> , 2007 , 14, 94-101	5.1	8
11	Levels of PCDDs, PCDFs, and PCBs in the blood of the non-occupationally exposed residents living in the vicinity of a chemical plant in the Czech Republic. <i>Chemosphere</i> , 2007 , 67, S238-46	8.4	18
10	Effects of sulfur dioxide, hydrogen peroxide and sulfuric acid on the de novo synthesis of PCDD/F and PCB under model laboratory conditions. <i>Chemosphere</i> , 2007 , 66, 1947-54	8.4	12
9	Matrix effects on the de novo synthesis of polychlorinated dibenzo-p-dioxins, dibenzofurans, biphenyls and benzenes. <i>Chemosphere</i> , 2007 , 68, 51-61	8.4	14

8	Differential accumulation of low-chlorinated (Delor 103) and high-chlorinated (Delor 106) biphenyls in human placental tissue and opposite effects on conversion of DHEA to E2. <i>Chemosphere</i> , 2006 , 62, 573-80	8.4	13
7	Bioaccumulation of PCB congeners in marine benthic infauna. <i>Marine Environmental Research</i> , 2006 , 61, 379-95	3.3	34
6	Efficiency assessment of wastewater treatment plant based on SPMD sampling. <i>Open Chemistry</i> , 2004 , 2, 91-112	1.6	3
5	Effect of reaction time on PCDD and PCDF formation by de novo synthetic reactions under oxygen deficient and rich atmosphere. <i>Chemosphere</i> , 2002 , 49, 691-6	8.4	12
4	Effects of oxygen on formation of PCB and PCDD/F on extracted fly ash in the presence of carbon and cupric salt. <i>Chemosphere</i> , 2001 , 43, 777-82	8.4	34
3	Optimization of a GC-MS/MS Method for the Analysis of PCDDs and PCDFs in Human and Fish Tissue. <i>Journal of High Resolution Chromatography</i> , 2000 , 23, 595-599		21
2	The effect of oils on PAH, PCDD, PCDF, and PCB emissions from a spark engine fueled with leaded gasoline. <i>Chemosphere</i> , 2000 , 41, 1905-11	8.4	33
1	Dechlorination of polychlorinated biphenyls, dibenzo-p-dioxins and dibenzofurans on fly ash. <i>Chemosphere</i> , 2000 , 41, 1881-7	8.4	32