

Werner Brack

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220
papers

8,250
citations

50
h-index

81
g-index

235
ext. papers

9,538
ext. citations

6.6
avg, IF

6.09
L-index

#	Paper	IF	Citations
220	Organic chemicals jeopardize the health of freshwater ecosystems on the continental scale. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 9549-54	11.5	431
219	Effect-directed analysis: a promising tool for the identification of organic toxicants in complex mixtures?. <i>Analytical and Bioanalytical Chemistry</i> , 2003 , 377, 397-407	4.4	349
218	Effect-directed analysis supporting monitoring of aquatic environments--An in-depth overview. <i>Science of the Total Environment</i> , 2016 , 544, 1073-118	10.2	222
217	A new risk assessment approach for the prioritization of 500 classical and emerging organic microcontaminants as potential river basin specific pollutants under the European Water Framework Directive. <i>Science of the Total Environment</i> , 2011 , 409, 2064-77	10.2	211
216	Future water quality monitoring--adapting tools to deal with mixtures of pollutants in water resource management. <i>Science of the Total Environment</i> , 2015 , 512-513, 540-551	10.2	198
215	Towards the review of the European Union Water Framework Directive: Recommendations for more efficient assessment and management of chemical contamination in European surface water resources. <i>Science of the Total Environment</i> , 2017 , 576, 720-737	10.2	196
214	Identification of novel micropollutants in wastewater by a combination of suspect and nontarget screening. <i>Environmental Pollution</i> , 2014 , 184, 25-32	9.3	182
213	The European technical report on aquatic effect-based monitoring tools under the water framework directive. <i>Environmental Sciences Europe</i> , 2015 , 27,		151
212	The SOLUTIONS project: challenges and responses for present and future emerging pollutants in land and water resources management. <i>Science of the Total Environment</i> , 2015 , 503-504, 22-31	10.2	149
211	Carbamazepine and its metabolites in wastewater: Analytical pitfalls and occurrence in Germany and Portugal. <i>Water Research</i> , 2014 , 57, 104-14	12.5	147
210	Effect-directed analysis of key toxicants in European river basins a review. <i>Environmental Science and Pollution Research</i> , 2007 , 14, 30-8	5.1	129
209	Linking in Vitro Effects and Detected Organic Micropollutants in Surface Water Using Mixture-Toxicity Modeling. <i>Environmental Science & Technology</i> , 2015 , 49, 14614-24	10.3	128
208	Impact of untreated wastewater on a major European river evaluated with a combination of in Vitro bioassays and chemical analysis. <i>Environmental Pollution</i> , 2017 , 220, 1220-1230	9.3	127
207	Effect-based trigger values for in vitro and in vivo bioassays performed on surface water extracts supporting the environmental quality standards (EQS) of the European Water Framework Directive. <i>Science of the Total Environment</i> , 2018 , 628-629, 748-765	10.2	124
206	Effect-directed analysis of mutagens and ethoxyresorufin-o-deethylase inducers in aquatic sediments. <i>Environmental Toxicology and Chemistry</i> , 2005 , 24, 2445-58	3.8	122
205	Current EU research activities on combined exposure to multiple chemicals. <i>Environment International</i> , 2018 , 120, 544-562	12.9	119
204	From the exposome to mechanistic understanding of chemical-induced adverse effects. <i>Environment International</i> , 2017 , 99, 97-106	12.9	113

203	Effect-directed identification of oxygen and sulfur heterocycles as major polycyclic aromatic cytochrome P4501A-inducers in a contaminated sediment. <i>Environmental Science & Technology</i> , 2003 , 37, 3062-70	10.3	110
202	European demonstration program on the effect-based and chemical identification and monitoring of organic pollutants in European surface waters. <i>Science of the Total Environment</i> , 2017 , 601-602, 1849-1868	10.2	106
201	Future water quality monitoring: improving the balance between exposure and toxicity assessments of real-world pollutant mixtures. <i>Environmental Sciences Europe</i> , 2019 , 31,	5	96
200	Screening hundreds of emerging organic pollutants (EOPs) in surface water from the Yangtze River Delta (YRD): Occurrence, distribution, ecological risk. <i>Environmental Pollution</i> , 2018 , 241, 484-493	9.3	93
199	Effects-directed analysis (EDA) and toxicity identification evaluation (TIE): Complementary but different approaches for diagnosing causes of environmental toxicity. <i>Environmental Toxicology and Chemistry</i> , 2013 , 32, 1935-45	3.8	87
198	Bioassay-directed identification of organic toxicants in river sediment in the industrial region of bitterfeld (Germany)-A contribution to hazard assessment. <i>Archives of Environmental Contamination and Toxicology</i> , 1999 , 37, 164-74	3.2	87
197	Chemical and ecotoxicological assessment of polycyclic aromatic hydrocarbon--contaminated sediments of the Niger Delta, Southern Nigeria. <i>Science of the Total Environment</i> , 2005 , 340, 123-36	10.2	86
196	Effect-based methods are key. The European Collaborative Project SOLUTIONS recommends integrating effect-based methods for diagnosis and monitoring of water quality. <i>Environmental Sciences Europe</i> , 2019 , 31,	5	82
195	Polycyclic aromatic hydrocarbon (PAH) contamination of surface sediments and oysters from the inter-tidal areas of Dar es Salaam, Tanzania. <i>Environmental Pollution</i> , 2009 , 157, 24-34	9.3	82
194	How to confirm identified toxicants in effect-directed analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2008 , 390, 1959-73	4.4	81
193	Statement on advancing the assessment of chemical mixtures and their risks for human health and the environment. <i>Environment International</i> , 2020 , 134, 105267	12.9	81
192	Polar compounds dominate in vitro effects of sediment extracts. <i>Environmental Science & Technology</i> , 2011 , 45, 2384-90	10.3	77
191	Toward an integrated assessment of the ecological and chemical status of European river basins. <i>Integrated Environmental Assessment and Management</i> , 2009 , 5, 50-61	2.5	71
190	Toxicity assessment of sediments from three European river basins using a sediment contact test battery. <i>Ecotoxicology and Environmental Safety</i> , 2011 , 74, 123-31	7	70
189	Chlorophyll a fluorescence: a tool for the investigation of toxic effects in the photosynthetic apparatus. <i>Ecotoxicology and Environmental Safety</i> , 1998 , 40, 34-41	7	64
188	Fixed-effect-level toxicity equivalents-- suitable parameter for assessing ethoxyresorufin-O-deethylase induction potency in complex environmental samples. <i>Environmental Toxicology and Chemistry</i> , 2000 , 19, 2493-2501	3.8	63
187	Triclosan--the forgotten priority substance?. <i>Environmental Science and Pollution Research</i> , 2012 , 19, 585-91	5.1	62
186	Biological and chemical determination of dioxin-like compounds in sediments by means of a sediment triad approach in the catchment area of the river Neckar. <i>Ecotoxicology</i> , 2002 , 11, 323-36	2.9	62

185	Bioassay battery interlaboratory investigation of emerging contaminants in spiked water extracts - Towards the implementation of bioanalytical monitoring tools in water quality assessment and monitoring. <i>Water Research</i> , 2016 , 104, 473-484	12.5	62
184	Identification of a phytotoxic photo-transformation product of diclofenac using effect-directed analysis. <i>Environmental Pollution</i> , 2010 , 158, 1461-6	9.3	61
183	. <i>Environmental Toxicology and Chemistry</i> , 2000 , 19, 2493	3.8	60
182	Effect-directed fractionation and identification of cytochrome P4501A-inducing halogenated aromatic hydrocarbons in a contaminated sediment. <i>Environmental Toxicology and Chemistry</i> , 2002 , 21, 2654-2662	3.8	59
181	Automated fractionation procedure for polycyclic aromatic compounds in sediment extracts on three coupled normal-phase high-performance liquid chromatography columns. <i>Journal of Chromatography A</i> , 2008 , 1185, 31-42	4.5	58
180	MODELKEY. Models for assessing and forecasting the impact of environmental key pollutants on freshwater and marine ecosystems and biodiversity. <i>Environmental Science and Pollution Research</i> , 2005 , 12, 252-6	5.1	57
179	Heterocyclic aromatic hydrocarbons show estrogenic activity upon metabolization in a recombinant transactivation assay. <i>Environmental Science & Technology</i> , 2014 , 48, 5892-901	10.3	55
178	Water quality indices across Europe--a comparison of the good ecological status of five river basins. <i>Journal of Environmental Monitoring</i> , 2007 , 9, 970-8		55
177	Towards a holistic and solution-oriented monitoring of chemical status of European water bodies: how to support the EU strategy for a non-toxic environment?. <i>Environmental Sciences Europe</i> , 2018 , 30, 33	5	55
176	Partitioning-based dosing: an approach to include bioavailability in the effect-directed analysis of contaminated sediment samples. <i>Environmental Science & Technology</i> , 2009 , 43, 3891-6	10.3	54
175	Matching structures to mass spectra using fragmentation patterns: are the results as good as they look?. <i>Analytical Chemistry</i> , 2009 , 81, 3608-17	7.8	53
174	Endocrine disruption of water and sediment extracts in a non-radioactive dot blot/RNase protection-assay using isolated hepatocytes of rainbow trout. <i>Environmental Science and Pollution Research</i> , 2005 , 12, 347-60	5.1	52
173	People, pollution and pathogens - Global change impacts in mountain freshwater ecosystems. <i>Science of the Total Environment</i> , 2018 , 622-623, 756-763	10.2	51
172	Large volume TENAX [®] extraction of the bioaccessible fraction of sediment-associated organic compounds for a subsequent effect-directed analysis. <i>Journal of Soils and Sediments</i> , 2007 , 7, 178-186	3.4	50
171	The use of MS classifiers and structure generation to assist in the identification of unknowns in effect-directed analysis. <i>Analytica Chimica Acta</i> , 2008 , 615, 136-47	6.6	50
170	Effect-based assessment of toxicity removal during wastewater treatment. <i>Water Research</i> , 2017 , 126, 153-163	12.5	49
169	Consensus structure elucidation combining GC/EI-MS, structure generation, and calculated properties. <i>Analytical Chemistry</i> , 2012 , 84, 3287-95	7.8	49
168	Integrated analytical and computer tools for structure elucidation in effect-directed analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2009 , 28, 550-561	14.6	49

167	Effect-directed analysis of contaminated sediments with partition-based dosing using green algae cell multiplication inhibition. <i>Environmental Science & Technology</i> , 2009 , 43, 7343-9	10.3	48
166	Identification of toxic products of anthracene photomodification in simulated sunlight. <i>Environmental Toxicology and Chemistry</i> , 2003 , 22, 2228-37	3.8	48
165	Polychlorinated naphthalenes in sediments from the industrial region of Bitterfeld. <i>Environmental Pollution</i> , 2003 , 121, 81-5	9.3	47
164	Identification of Unknown Antiandrogenic Compounds in Surface Waters by Effect-Directed Analysis (EDA) Using a Parallel Fractionation Approach. <i>Environmental Science & Technology</i> , 2018 , 52, 288-297	10.3	47
163	Detecting a wide range of environmental contaminants in human blood samples--combining QuEChERS with LC-MS and GC-MS methods. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 7047-54	4.4	45
162	Assessment of a novel device for onsite integrative large-volume solid phase extraction of water samples to enable a comprehensive chemical and effect-based analysis. <i>Science of the Total Environment</i> , 2017 , 581-582, 350-358	10.2	42
161	High-resolution mass spectrometry to complement monitoring and track emerging chemicals and pollution trends in European water resources. <i>Environmental Sciences Europe</i> , 2019 , 31,	5	42
160	Effect-directed analysis (EDA) of Danube River water sample receiving untreated municipal wastewater from Novi Sad, Serbia. <i>Science of the Total Environment</i> , 2018 , 624, 1072-1081	10.2	39
159	Endocrine disrupting, mutagenic, and teratogenic effects of upper Danube River sediments using effect-directed analysis. <i>Environmental Toxicology and Chemistry</i> , 2012 , 31, 1053-62	3.8	39
158	Sequential fractionation procedure for the identification of potentially cytochrome P4501A-inducing compounds. <i>Journal of Chromatography A</i> , 2003 , 986, 55-66	4.5	39
157	The NORMAN Network and its activities on emerging environmental substances with a focus on effect-directed analysis of complex environmental contamination. <i>Environmental Sciences Europe</i> , 2012 , 24,	5	38
156	Bioavailability in effect-directed analysis of organic toxicants in sediments. <i>TrAC - Trends in Analytical Chemistry</i> , 2009 , 28, 543-549	14.6	38
155	Body burden of pesticides and wastewater-derived pollutants on freshwater invertebrates: Method development and application in the Danube River. <i>Environmental Pollution</i> , 2016 , 214, 77-85	9.3	38
154	Solid-phase extraction as sample preparation of water samples for cell-based and other in vitro bioassays. <i>Environmental Sciences: Processes and Impacts</i> , 2018 , 20, 493-504	4.3	37
153	Effect-directed analysis of Ah receptor-mediated activities caused by PAHs in suspended particulate matter sampled in flood events. <i>Science of the Total Environment</i> , 2010 , 408, 3327-33	10.2	37
152	Mutagenicity in Surface Waters: Synergistic Effects of Carboline Alkaloids and Aromatic Amines. <i>Environmental Science & Technology</i> , 2017 , 51, 1830-1839	10.3	36
151	The value of zebrafish as an integrative model in effect-directed analysis - a review. <i>Environmental Sciences Europe</i> , 2015 , 27,	5	35
150	Occurrence and risk assessment of organic micropollutants in freshwater systems within the Lake Victoria South Basin, Kenya. <i>Science of the Total Environment</i> , 2020 , 714, 136748	10.2	35

149	Characterizing field sediments from three European river basins with special emphasis on endocrine effects - A recommendation for <i>Potamopyrgus antipodarum</i> as test organism. <i>Chemosphere</i> , 2010 , 80, 13-9	8.4	35
148	Identification and evaluation of <i>cyp1a</i> transcript expression in fish as molecular biomarker for petroleum contamination in tropical fresh water ecosystems. <i>Aquatic Toxicology</i> , 2011 , 103, 46-52	5.1	34
147	Toward a holistic and risk-based management of European river basins. <i>Integrated Environmental Assessment and Management</i> , 2009 , 5, 5-10	2.5	34
146	Impact of contaminants bound to suspended particulate matter in the context of flood events. <i>Journal of Soils and Sediments</i> , 2010 , 10, 1174-1185	3.4	34
145	Characterization and risk assessment of seasonal and weather dynamics in organic pollutant mixtures from discharge of a separate sewer system. <i>Water Research</i> , 2018 , 135, 122-133	12.5	32
144	Effect-directed analysis for estrogenic compounds in a fluvial sediment sample using transgenic <i>cyp19a1b-GFP</i> zebrafish embryos. <i>Aquatic Toxicology</i> , 2014 , 154, 221-9	5.1	32
143	Identification and quantitative confirmation of dinitropyrenes and 3-nitrobenzanthrone as major mutagens in contaminated sediments. <i>Environment International</i> , 2012 , 44, 31-9	12.9	32
142	Effect-directed analysis of contaminated sediment from the wastewater canal in Pancevo industrial area, Serbia. <i>Chemosphere</i> , 2009 , 77, 907-13	8.4	31
141	Confirmation of cause-effect relationships using effect-directed analysis for complex environmental samples. <i>Environmental Toxicology and Chemistry</i> , 2005 , 24, 1420-7	3.8	31
140	Developments in society and implications for emerging pollutants in the aquatic environment. <i>Environmental Sciences Europe</i> , 2019 , 31,	5	30
139	Physiological sensitivity of freshwater macroinvertebrates to heavy metals. <i>Environmental Toxicology and Chemistry</i> , 2012 , 31, 1754-64	3.8	30
138	Fractionation of technical p-nonylphenol with preparative capillary gas chromatography. <i>Chemosphere</i> , 2007 , 70, 215-23	8.4	30
137	Linear Solvation Energy Relationships as classifiers in non-target analysis--a capillary liquid chromatography approach. <i>Journal of Chromatography A</i> , 2011 , 1218, 8192-6	4.5	29
136	Automated strategies to identify compounds on the basis of GC/EI-MS and calculated properties. <i>Analytical Chemistry</i> , 2011 , 83, 903-12	7.8	29
135	Application of preparative capillary gas chromatography (pcGC), automated structure generation and mutagenicity prediction to improve effect-directed analysis of genotoxicants in a contaminated groundwater. <i>Environmental Science and Pollution Research</i> , 2010 , 17, 885-97	5.1	29
134	Effect directed analysis of riverine sediments--the usefulness of <i>Potamopyrgus antipodarum</i> for in vivo effect confirmation of endocrine disruption. <i>Aquatic Toxicology</i> , 2011 , 101, 237-43	5.1	28
133	Effect-directed analysis of sediment-associated algal toxicants at selected hot spots in the river Elbe basin with a special focus on bioaccessibility. <i>Environmental Toxicology and Chemistry</i> , 2009 , 28, 1506-17	3.8	28
132	Screening of Pesticide and Biocide Patterns As Risk Drivers in Sediments of Major European River Mouths: Ubiquitous or River Basin-Specific Contamination?. <i>Environmental Science & Technology</i> , 2018 , 52, 2251-2260	10.3	27

131	On the mode of action of N-phenyl-2-naphthylamine in plants. <i>Environmental Science & Technology</i> , 2006 , 40, 6163-9	10.3	27
130	Longitudinal profile of the genotoxic potential of the River Danube on erythrocytes of wild common bleak (<i>Alburnus alburnus</i>) assessed using the comet and micronucleus assay. <i>Science of the Total Environment</i> , 2016 , 573, 1441-1449	10.2	27
129	Mixture risks threaten water quality: the European Collaborative Project SOLUTIONS recommends changes to the WFD and better coordination across all pieces of European chemicals legislation to improve protection from exposure of the aquatic environment to multiple pollutants. <i>Environmental Sciences Europe</i> , 2019 , 31,	5	27
128	Pesticides are the dominant stressors for vulnerable insects in lowland streams. <i>Water Research</i> , 2021 , 201, 117262	12.5	27
127	Read-Across Prediction of the Acute Toxicity of Organic Compounds toward the Water Flea <i>Daphnia magna</i> . <i>Molecular Informatics</i> , 2013 , 32, 108-20	3.8	26
126	Investigation on soil contamination at recently inundated and non-inundated sites. <i>Journal of Soils and Sediments</i> , 2011 , 11, 82-92	3.4	26
125	Improved component-based methods for mixture risk assessment are key to characterize complex chemical pollution in surface waters. <i>Environmental Sciences Europe</i> , 2019 , 31,	5	26
124	Assessing the Mixture Effects in Bioassays of Chemicals Occurring in Small Agricultural Streams during Rain Events. <i>Environmental Science & Technology</i> , 2020 , 54, 8280-8290	10.3	25
123	Unraveling longitudinal pollution patterns of organic micropollutants in a river by non-target screening and cluster analysis. <i>Science of the Total Environment</i> , 2020 , 727, 138388	10.2	25
122	Effects-directed analysis of sediments from polluted marine sites in Norway. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2011 , 74, 439-54	3.2	25
121	Effect-Directed Analysis of Progestogens and Glucocorticoids at Trace Concentrations in River Water. <i>Environmental Toxicology and Chemistry</i> , 2020 , 39, 189-199	3.8	25
120	Tox-Box: securing drops of life - an enhanced health-related approach for risk assessment of drinking water in Germany. <i>Environmental Sciences Europe</i> , 2013 , 25,	5	24
119	The impact of extraction methodologies on the toxicity of sediments in the zebrafish (<i>Danio rerio</i>) embryo test. <i>Journal of Soils and Sediments</i> , 2011 , 11, 352-363	3.4	24
118	Accelerated membrane-assisted clean-up as a tool for the clean-up of extracts from biological tissues. <i>Journal of Chromatography A</i> , 2008 , 1196-1197, 33-40	4.5	24
117	Toxicity testing of highly volatile chemicals with green algae : A new assay. <i>Environmental Science and Pollution Research</i> , 1994 , 1, 223-8	5.1	24
116	The European Collaborative Project SOLUTIONS developed models to provide diagnostic and prognostic capacity and fill data gaps for chemicals of emerging concern. <i>Environmental Sciences Europe</i> , 2019 , 31,	5	24
115	Identification of Mutagenic Aromatic Amines in River Samples with Industrial Wastewater Impact. <i>Environmental Science & Technology</i> , 2017 , 51, 4681-4688	10.3	23
114	Passive dosing: an approach to control mutagen exposure in the Ames fluctuation test. <i>Chemosphere</i> , 2011 , 83, 409-14	8.4	23

113	Linking mutagenic activity to micropollutant concentrations in wastewater samples by partial least square regression and subsequent identification of variables. <i>Chemosphere</i> , 2015 , 138, 176-82	8.4	22
112	Extending analysis of environmental pollutants in human urine towards screening for suspected compounds. <i>Journal of Chromatography A</i> , 2015 , 1394, 18-25	4.5	22
111	Polychlorinated naphthalenes and other dioxin-like compounds in Elbe River sediments. <i>Environmental Toxicology and Chemistry</i> , 2008 , 27, 519-28	3.8	22
110	An expanded conceptual framework for solution-focused management of chemical pollution in European waters. <i>Environmental Sciences Europe</i> , 2017 , 29, 13	5	21
109	Prioritising site-specific micropollutants in surface water from LC-HRMS non-target screening data using a rarity score. <i>Environmental Sciences Europe</i> , 2019 , 31,	5	21
108	Multicriteria approach to select polyaromatic river mutagen candidates. <i>Environmental Science & Technology</i> , 2015 , 49, 2959-68	10.3	21
107	Induction of aryl hydrocarbon receptor-mediated and estrogen receptor-mediated activities, and modulation of cell proliferation by dinaphthofurans. <i>Environmental Toxicology and Chemistry</i> , 2004 , 23, 2214-20	3.8	21
106	Effect-Directed Analysis of Aryl Hydrocarbon Receptor Agonists in Sediments from the Three Gorges Reservoir, China. <i>Environmental Science & Technology</i> , 2016 , 50, 11319-11328	10.3	20
105	Anthropogenic Stressors Shape Genetic Structure: Insights from a Model Freshwater Population along a Land Use Gradient. <i>Environmental Science & Technology</i> , 2016 , 50, 11346-11356	10.3	20
104	Integrated biological-chemical approach for the isolation and selection of polyaromatic mutagens in surface waters. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 9101-12	4.4	20
103	Chemical activity and distribution of emerging pollutants: Insights from a multi-compartment analysis of a freshwater system. <i>Environmental Pollution</i> , 2017 , 231, 339-347	9.3	20
102	Optimisation of trapping parameters in preparative capillary gas chromatography for the application in effect-directed analysis. <i>Chemosphere</i> , 2010 , 78, 416-22	8.4	20
101	Identification of toxicants from marine sediment using effect-directed analysis. <i>Environmental Toxicology</i> , 2005 , 20, 475-86	4.2	20
100	A sediment extraction and cleanup method for wide-scope multitarget screening by liquid chromatography-high-resolution mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 177-188	4.4	20
99	Computational material flow analysis for thousands of chemicals of emerging concern in European waters. <i>Journal of Hazardous Materials</i> , 2020 , 397, 122655	12.8	19
98	Performance of combined fragmentation and retention prediction for the identification of organic micropollutants by LC-HRMS. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 1931-1941	4.4	18
97	Nontargeted detection and identification of (aromatic) amines in environmental samples based on diagnostic derivatization and LC-high resolution mass spectrometry. <i>Chemosphere</i> , 2017 , 166, 300-310	8.4	18
96	HPLC/APCI-FTICR-MS as a tool for identification of partial polar mutagenic compounds in effect-directed analysis. <i>Journal of the American Society for Mass Spectrometry</i> , 2010 , 21, 1016-27	3.5	18

95	Integrated zebrafish-based tests as an investigation strategy for water quality assessment. <i>Water Research</i> , 2019 , 150, 252-260	12.5	18
94	Pesticide pollution in freshwater paves the way for schistosomiasis transmission. <i>Scientific Reports</i> , 2020 , 10, 3650	4.9	17
93	Optimization of LC-Orbitrap-HRMS acquisition and MZmine 2 data processing for nontarget screening of environmental samples using design of experiments. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 7905-7915	4.4	16
92	Adaptation of <i>Gammarus pulex</i> to agricultural insecticide contamination in streams. <i>Science of the Total Environment</i> , 2018 , 621, 479-485	10.2	16
91	Pesticide Body Burden of the Crustacean <i>Gammarus pulex</i> as a Measure of Toxic Pressure in Agricultural Streams. <i>Environmental Science & Technology</i> , 2018 , 52, 7823-7832	10.3	15
90	Exploring the solution space's key: SOLUTIONS recommends an early-stage assessment of options to protect and restore water quality against chemical pollution. <i>Environmental Sciences Europe</i> , 2019 , 31,	5	15
89	Toxicity and neurotoxicity profiling of contaminated sediments from Gulf of Bothnia (Sweden): a multi-endpoint assay with Zebrafish embryos. <i>Environmental Sciences Europe</i> , 2019 , 31,	5	14
88	Determination of 10 particle-associated multiclass polar and semi-polar pesticides from small streams using accelerated solvent extraction. <i>Chemosphere</i> , 2008 , 70, 1952-60	8.4	14
87	Pollution-Induced Community Tolerance To Diagnose Hazardous Chemicals in Multiple Contaminated Aquatic Systems. <i>Environmental Science & Technology</i> , 2015 , 49, 10048-56	10.3	13
86	Zinc and cadmium accumulation in single zebrafish (<i>Danio rerio</i>) embryos [A total reflection X-ray fluorescence spectrometry application. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2008 , 63, 1443-1449	3.1	13
85	Prioritisation of water pollutants: the EU Project SOLUTIONS proposes a methodological framework for the integration of mixture risk assessments into prioritisation procedures under the European Water Framework Directive. <i>Environmental Sciences Europe</i> , 2019 , 31,	5	13
84	Is chemosensitisation by environmental pollutants ecotoxicologically relevant?. <i>Aquatic Toxicology</i> , 2015 , 167, 134-42	5.1	12
83	The NORMAN Association and the European Partnership for Chemicals Risk Assessment (PARC): let's cooperate!. <i>Environmental Sciences Europe</i> , 2020 , 32,	5	12
82	EDA-EMERGE: an FP7 initial training network to equip the next generation of young scientists with the skills to address the complexity of environmental contamination with emerging pollutants. <i>Environmental Sciences Europe</i> , 2013 , 25,	5	12
81	Differential expression of CYP1A1 and CYP1A2 genes in H4IIE rat hepatoma cells exposed to TCDD and PAHs. <i>Environmental Toxicology and Pharmacology</i> , 2015 , 39, 358-68	5.8	12
80	Ecotoxicological Profiling of Transect River Elbe Sediments. <i>Clean - Soil, Air, Water</i> , 2005 , 33, 555-569		12
79	Miniaturization of the microsuspension Salmonella/microsome assay in agar microplates. <i>Environmental and Molecular Mutagenesis</i> , 2018 , 59, 488-501	3.2	11
78	Microbial reporter gene assay as a diagnostic and early warning tool for the detection and characterization of toxic pollution in surface waters. <i>Environmental Toxicology and Chemistry</i> , 2015 , 34, 2523-32	3.8	11

77	Use of factorial design for the multivariate optimization of polypropylene membranes for the cleanup of environmental samples using the accelerated membrane-assisted cleanup approach. <i>Journal of Chromatography A</i> , 2012 , 1225, 26-36	4.5	11
76	Prediction of gas chromatographic retention indices as classifier in non-target analysis of environmental samples. <i>Journal of Chromatography A</i> , 2013 , 1285, 139-47	4.5	11
75	Application of nd-SPME to determine freely dissolved concentrations in the presence of green algae and algae-water partition coefficients. <i>Chemosphere</i> , 2010 , 79, 1070-6	8.4	11
74	Volatile fractions of landfill leachates and their effect on <i>Chlamydomonas reinhardtii</i> : In vivo chlorophyll a fluorescence. <i>Environmental Toxicology and Chemistry</i> , 1998 , 17, 1982-1991	3.8	11
73	Mixtures of chemicals are important drivers of impacts on ecological status in European surface waters. <i>Environmental Sciences Europe</i> , 2019 , 31,	5	11
72	Downscaling procedures reduce chemical use in androgen receptor reporter gene assay. <i>Science of the Total Environment</i> , 2016 , 571, 826-33	10.2	11
71	Assessing the ecological impact of chemical pollution on aquatic ecosystems requires the systematic exploration and evaluation of four lines of evidence. <i>Environmental Sciences Europe</i> , 2019 , 31,	5	11
70	Let us empower the WFD to prevent risks of chemical pollution in European rivers and lakes. <i>Environmental Sciences Europe</i> , 2019 , 31,	5	10
69	Hochwasser 2002. <i>Environmental Sciences Europe</i> , 2002 , 14, 213-220		10
68	A holistic approach is key to protect water quality and monitor, assess and manage chemical pollution of European surface waters. <i>Environmental Sciences Europe</i> , 2019 , 31,	5	10
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