

Werner Brack

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/2045299/werner-brack-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

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	In silico deconjugation of glucuronide conjugates enhances tandem mass spectra library annotation of human samples.. <i>Analytical and Bioanalytical Chemistry</i> , 2022 , 414, 2629	4.4	0
219	Demonstration of an aggregated biomarker response approach to assess the impact of point and diffuse contaminant sources in feral fish in a small river case study. <i>Science of the Total Environment</i> , 2022 , 804, 150020	10.2	0
218	Remobilization of pollutants during extreme flood events poses severe risks to human and environmental health. <i>Journal of Hazardous Materials</i> , 2022 , 421, 126691	12.8	7
217	One planet: one health. A call to support the initiative on a global science-policy body on chemicals and waste.. <i>Environmental Sciences Europe</i> , 2022 , 34, 21	5	2
216	Lagrangian profiles of riverine autotrophy, organic matter transformation, and micropollutants at extreme drought.. <i>Science of the Total Environment</i> , 2022 , 154243	10.2	
215	Complex chemical cocktail, containing insecticides diazinon and permethrin, drives acute toxicity to crustaceans in mountain lakes.. <i>Science of the Total Environment</i> , 2022 , 828, 154456	10.2	2
214	A risk based assessment approach for chemical mixtures from wastewater treatment plant effluents.. <i>Environment International</i> , 2022 , 164, 107234	12.9	1
213	The EU chemicals strategy for sustainability: an opportunity to develop new approaches for hazard and risk assessment.. <i>Archives of Toxicology</i> , 2022 ,	5.8	1
212	Assessing the genotoxic potential of freshwater sediments after extensive rain events - Lessons learned from a case study in an effluent-dominated river in Germany.. <i>Water Research</i> , 2021 , 209, 117921	12.5	2
211	The Eco-Exposome concept: Supporting an Integrated Assessment of Mixtures of Environmental Chemicals. <i>Environmental Toxicology and Chemistry</i> , 2021 ,	3.8	3
210	Chemical Pollution Levels in a River Explain Site-Specific Sensitivities to Micropollutants within a Genetically Homogeneous Population of Freshwater Amphipods. <i>Environmental Science & Technology</i> , 2021 , 55, 6087-6096	10.3	2
209	Calibration of the SPEARpesticides bioindicator for cost-effective pesticide monitoring in East African streams. <i>Environmental Sciences Europe</i> , 2021 , 33,	5	4
208	Evidence for antifouling biocides as one of the limiting factors for the recovery of macrophyte communities in lakes of Schleswig-Holstein. <i>Environmental Sciences Europe</i> , 2021 , 33,	5	6
207	Long-term effects of a catastrophic insecticide spill on stream invertebrates. <i>Science of the Total Environment</i> , 2021 , 768, 144456	10.2	2
206	Disentangling multiple chemical and non-chemical stressors in a lotic ecosystem using a longitudinal approach. <i>Science of the Total Environment</i> , 2021 , 769, 144324	10.2	7
205	Improving the Screening Analysis of Pesticide Metabolites in Human Biomonitoring by Combining High-Throughput Incubation and Automated LC-HRMS Data Processing. <i>Analytical Chemistry</i> , 2021 , 93, 9149-9157	7.8	2
204	Bioanalytical equivalents and relative potencies for predicting the biological effects of mixtures. <i>Science of the Total Environment</i> , 2021 , 763, 143030	10.2	2

203	Occurrence of plant secondary metabolite fingerprints in river waters from Eastern Jutland, Denmark. <i>Environmental Sciences Europe</i> , 2021 , 33,	5	4
202	Pesticides are the dominant stressors for vulnerable insects in lowland streams. <i>Water Research</i> , 2021 , 201, 117262	12.5	27
201	Sources and Fate of the Antiandrogenic Fluorescent Dye 4-Methyl-7-Diethylaminocoumarin in Small River Systems. <i>Environmental Toxicology and Chemistry</i> , 2021 , 40, 3078-3091	3.8	0
200	Aquatic occurrence of phytotoxins in small streams triggered by biogeography, vegetation growth stage, and precipitation. <i>Science of the Total Environment</i> , 2021 , 798, 149128	10.2	2
199	The NORMAN Association and the European Partnership for Chemicals Risk Assessment (PARC): let's cooperate!. <i>Environmental Sciences Europe</i> , 2020 , 32,	5	12
198	Application of the Sea Urchin Embryo Test in Toxicity Evaluation and Effect-Directed Analysis of Wastewater Treatment Plant Effluents. <i>Environmental Science & Technology</i> , 2020 , 54, 8890-8899	10.3	6
197	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
196	Estrogenic activity of surface waters using zebrafish- and human-based in vitro assays: The Danube as a case-study. <i>Environmental Toxicology and Pharmacology</i> , 2020 , 78, 103401	5.8	3
195	Pesticide pollution in freshwater paves the way for schistosomiasis transmission. <i>Scientific Reports</i> , 2020 , 10, 3650	4.9	17
194	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
193	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
192	A Data Set of 255,000 Randomly Selected and Manually Classified Extracted Ion Chromatograms for Evaluation of Peak Detection Methods. <i>Metabolites</i> , 2020 , 10,	5.6	6
191	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
190	Multi-compartment chemical characterization and risk assessment of chemicals of emerging concern in freshwater systems of western Kenya. <i>Environmental Sciences Europe</i> , 2020 , 32,	5	4
189	Target screening of plant secondary metabolites in river waters by liquid chromatography coupled to high-resolution mass spectrometry (LC-HRMS). <i>Environmental Sciences Europe</i> , 2020 , 32,	5	6
188	Non-target screening for detecting the occurrence of plant metabolites in river waters. <i>Environmental Sciences Europe</i> , 2020 , 32,	5	5
187	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
186	Symbolic Aggregate Approximation Improves Gap Filling in High-Resolution Mass Spectrometry Data Processing. <i>Analytical Chemistry</i> , 2020 , 92, 10425-10432	7.8	1

185	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
184	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
183	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
182	Isolation and characterization of eleven novel microsatellite markers for fine-scale population genetic analyses of <i>Gammarus pulex</i> (Crustacea: Amphipoda). <i>Molecular Biology Reports</i> , 2019 , 46, 6609-6615	2.8	2
181	Developments in society and implications for emerging pollutants in the aquatic environment. <i>Environmental Sciences Europe</i> , 2019 , 31,	5	30
180	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
179	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
178	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
177	Non-targeted mercapturic acid screening in urine using LC-MS/MS with matrix effect compensation by postcolumn infusion of internal standard (PCI-IS). <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 7771-7781	4.4	8
176	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
175	Strengthen the European collaborative environmental research to meet European policy goals for achieving a sustainable, non-toxic environment. <i>Environmental Sciences Europe</i> , 2019 , 31,	5	5
174	Increase coherence, cooperation and cross-compliance of regulations on chemicals and water quality. <i>Environmental Sciences Europe</i> , 2019 , 31,	5	7
173	Establish data infrastructure to compile and exchange environmental screening data on a European scale. <i>Environmental Sciences Europe</i> , 2019 , 31,	5	8
172	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
171	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
170	The RiBaTox web tool: selecting methods to assess and manage the diverse problem of chemical pollution in surface waters. <i>Environmental Sciences Europe</i> , 2019 , 31,	5	5
169	Mixtures of chemicals are important drivers of impacts on ecological status in European surface waters. <i>Environmental Sciences Europe</i> , 2019 , 31,	5	11
168	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

167	Solutions for present and future emerging pollutants in land and water resources management. Policy briefs summarizing scientific project results for decision makers. <i>Environmental Sciences Europe</i> , 2019 , 31,	5	4
166	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
165	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
164	Exploring the Solution space is 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
163	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
162	Integrated zebrafish-based tests as an investigation strategy for water quality assessment. <i>Water Research</i> , 2019 , 150, 252-260	12.5	18
161	Looking back - Looking forward: A novel multi-time slice weight-of-evidence approach for defining reference conditions to assess the impact of human activities on lake systems. <i>Science of the Total Environment</i> , 2018 , 626, 1036-1046	10.2	6
160	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
159	Miniaturization of the microsuspension Salmonella/microsome assay in agar microplates. <i>Environmental and Molecular Mutagenesis</i> , 2018 , 59, 488-501	3.2	11
158	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
157	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
156	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
155	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
154	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
153	Pesticide Body Burden of the Crustacean Gammarus pulex as a Measure of Toxic Pressure in Agricultural Streams. <i>Environmental Science & Technology</i> , 2018 , 52, 7823-7832	10.3	15
152	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
151	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
150	Adaptation of Gammarus pulex to agricultural insecticide contamination in streams. <i>Science of the Total Environment</i> , 2018 , 621, 479-485	10.2	16

149	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
148	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
147	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
146	Current EU research activities on combined exposure to multiple chemicals. <i>Environment International</i> , 2018 , 120, 544-562	12.9	119
145	Identification of Mutagenic Aromatic Amines in River Samples with Industrial Wastewater Impact. <i>Environmental Science & Technology</i> , 2017 , 51, 4681-4688	10.3	23
144	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
143	An expanded conceptual framework for solution-focused management of chemical pollution in European waters. <i>Environmental Sciences Europe</i> , 2017 , 29, 13	5	21
142	From the exposome to mechanistic understanding of chemical-induced adverse effects. <i>Environment International</i> , 2017 , 99, 97-106	12.9	113
141	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
140	Mutagenicity in Surface Waters: Synergistic Effects of Carboline Alkaloids and Aromatic Amines. <i>Environmental Science & Technology</i> , 2017 , 51, 1830-1839	10.3	36
139	Method Development for Selective and Nontargeted Identification of Nitro Compounds in Diesel Particulate Matter. <i>Energy & Fuels</i> , 2017 , 31, 11615-11626	4.1	4
138	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
137	Effect-based assessment of toxicity removal during wastewater treatment. <i>Water Research</i> , 2017 , 126, 153-163	12.5	49
136	Project house water: a novel interdisciplinary framework to assess the environmental and socioeconomic consequences of flood-related impacts. <i>Environmental Sciences Europe</i> , 2017 , 29, 23	5	6
135	Measuring the internal concentration of volatile organic compounds in small organisms using micro-QuEChERS coupled to LVI-GC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 6041-6052	4.4	5
134	The impact of chemosensitisation on bioaccumulation and sediment toxicity. <i>Chemosphere</i> , 2017 , 186, 652-659	8.4	5
133	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
132	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

131	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
130	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
129	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
128	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
127	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
126	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
125	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
124	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
123	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
122	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
121	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
120	Is chemosensitisation by environmental pollutants ecotoxicologically relevant?. <i>Aquatic Toxicology</i> , 2015 , 167, 134-42	5.1	12
119	The European technical report on aquatic effect-based monitoring tools under the water framework directive. <i>Environmental Sciences Europe</i> , 2015 , 27,		151
118	The value of zebrafish as an integrative model in effect-directed analysis - a review. <i>Environmental Sciences Europe</i> , 2015 , 27,	5	35
117	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
116	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
115	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
114	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

113	Metabolic transformation as a diagnostic tool for the selection of candidate promutagens in effect-directed analysis. <i>Environmental Pollution</i> , 2015 , 196, 114-24	9.3	5
112	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
111	The Challenge: Prioritization of emerging pollutants. <i>Environmental Toxicology and Chemistry</i> , 2015 , 34, 2181	3.8	7
110	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
109	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
108	Multicriteria approach to select polyaromatic river mutagen candidates. <i>Environmental Science & Technology</i> , 2015 , 49, 2959-68	10.3	21
107	Decoding and Discrimination of Chemical Cues and Signals: Avoidance of Predation and Competition during Parental Care Behavior in Sympatric Poison Frogs. <i>PLoS ONE</i> , 2015 , 10, e0129929	3.7	9
106	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
105	Linear solvation energy relationships as classifier in non-target analysis--an approach for isocratic liquid chromatography. <i>Journal of Chromatography A</i> , 2014 , 1324, 96-103	4.5	6
104	Heterocyclic aromatic hydrocarbons show estrogenic activity upon metabolism in a recombinant transactivation assay. <i>Environmental Science & Technology</i> , 2014 , 48, 5892-901	10.3	55
103	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
102	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
101	Effect-directed analysis for estrogenic compounds in a fluvial sediment sample using transgenic cyp19a1b-GFP zebrafish embryos. <i>Aquatic Toxicology</i> , 2014 , 154, 221-9	5.1	32
100	Introduction: The Need for Risk-Informed River Basin Management. <i>Handbook of Environmental Chemistry</i> , 2014 , 1-18	0.8	
99	Monitoring Programmes, Multiple Stress Analysis and Decision Support for River Basin Management. <i>Handbook of Environmental Chemistry</i> , 2014 , 151-182	0.8	1
98	Status and Causal Pathway Assessments Supporting River Basin Management. <i>Handbook of Environmental Chemistry</i> , 2014 , 53-149	0.8	1
97	Synthesis and Recommendations Towards Risk-Informed River Basin Management. <i>Handbook of Environmental Chemistry</i> , 2014 , 367-390	0.8	
96	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

95	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
94	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
93	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
92	Novel metabolites in cyanobacterium <i>Cylindrospermopsis raciborskii</i> with potencies to inhibit gap junctional intercellular communication. <i>Journal of Hazardous Materials</i> , 2013 , 262, 571-9	12.8	9
91	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
90	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
89	Triclosan--the forgotten priority substance?. <i>Environmental Science and Pollution Research</i> , 2012 , 19, 585-91	5.1	62
88	Linear solvation energy relationships as classifiers in non-target analysis - a gas chromatographic approach. <i>Journal of Chromatography A</i> , 2012 , 1264, 95-103	4.5	8
87	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
86	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
85	Consensus structure elucidation combining GC/EI-MS, structure generation, and calculated properties. <i>Analytical Chemistry</i> , 2012 , 84, 3287-95	7.8	49
84	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
83	Physiological sensitivity of freshwater macroinvertebrates to heavy metals. <i>Environmental Toxicology and Chemistry</i> , 2012 , 31, 1754-64	3.8	30
82	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
81	Identifying key stressors in Danube, Elbe, Llobregat and Scheldt based on regular monitoring data. <i>River Systems</i> , 2012 , 20, 87-99		
80	Considerations for Incorporating Bioavailability in Effect-Directed Analysis and Toxicity Identification Evaluation. <i>Handbook of Environmental Chemistry</i> , 2011 , 41-68	0.8	4
79	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
78	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

77	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
76	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
75	Passive dosing: an approach to control mutagen exposure in the Ames fluctuation test. <i>Chemosphere</i> , 2011 , 83, 409-14	8.4	23
74	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
73	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
72	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
71	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
70	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
69	Polar compounds dominate in vitro effects of sediment extracts. <i>Environmental Science & Technology</i> , 2011 , 45, 2384-90	10.3	77
68	Recent Developments in Whole Sediment Toxicity Identification Evaluations: Innovations in Manipulations and Endpoints. <i>Handbook of Environmental Chemistry</i> , 2011 , 19-40	0.8	5
67	Separation Techniques in Effect-Directed Analysis. <i>Handbook of Environmental Chemistry</i> , 2011 , 83-118	0.8	3
66	Computer Tools for Structure Elucidation in Effect-Directed Analysis. <i>Handbook of Environmental Chemistry</i> , 2011 , 167-198	0.8	1
65	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
64	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
63	Chemicals in the Environment (CITE). <i>Environmental Sciences Europe</i> , 2010 , 22, 502-506		2
62	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
61	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
60	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

59	Identification of a phytotoxic photo-transformation product of diclofenac using effect-directed analysis. <i>Environmental Pollution</i> , 2010 , 158, 1461-6	9.3	61
58	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
57	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
56	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
55	Identifizierung toxischer Verbindungen in Sedimenten: Ansatz zur Integration von Wirkung und Bioverfügbarkeit. <i>Environmental Sciences Europe</i> , 2009 , 21, 240-244		2
54	Eine Weight-of-Evidence-Studie zur Bewertung der Sedimentbelastung und des Fischrückgangs in der Oberen Donau. <i>Environmental Sciences Europe</i> , 2009 , 21, 260-263		5
53	Über die Notwendigkeit der wirkungsorientierten Analytik in einer umfassenden Wasserforschung. <i>Environmental Sciences Europe</i> , 2009 , 21, 235-237		1
52	Bioavailability in effect-directed analysis of organic toxicants in sediments. <i>TrAC - Trends in Analytical Chemistry</i> , 2009 , 28, 543-549	14.6	38
51	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
50	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
49	European river basins at risk. <i>Integrated Environmental Assessment and Management</i> , 2009 , 5, 2-4	2.5	4
48	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
47	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
46	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
45	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
44	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
43	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
42	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

41	How to confirm identified toxicants in effect-directed analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2008 , 390, 1959-73	4.4	81
40	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
39	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
38	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
37	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
36	Polychlorinated naphthalenes and other dioxin-like compounds in Elbe River sediments. <i>Environmental Toxicology and Chemistry</i> , 2008 , 27, 519-28	3.8	22
35	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
34	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
33	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
32	Fractionation of technical p-nonylphenol with preparative capillary gas chromatography. <i>Chemosphere</i> , 2007 , 70, 215-23	8.4	30
31	Von der Wirkung zur Substanz: Wirkungsbezogene Analytik als neue Untersuchungsstrategie in der Lebensmittelkontrolle. <i>Journal Fur Verbraucherschutz Und Lebensmittelsicherheit</i> , 2006 , 1, 294-300	2.3	6
30	Wirkungsorientierte Analytik komplexer Mischungen Erfahrungen aus der Umwelt- und Toxikologie für die Lebensmitteluntersuchung. <i>Journal Fur Verbraucherschutz Und Lebensmittelsicherheit</i> , 2006 , 1, 301-309	2.3	2
29	On the mode of action of N-phenyl-2-naphthylamine in plants. <i>Environmental Science & Technology</i> , 2006 , 40, 6163-9	10.3	27
28	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
27	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
26	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
25	Light as a confounding factor for toxicity assessment of complex contaminated sediments. <i>Environmental Toxicology and Chemistry</i> , 2005 , 24, 3143-52	3.8	6
24	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

23	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
22	Ecotoxicological Profiling of Transect River Elbe Sediments. <i>Clean - Soil, Air, Water</i> , 2005 , 33, 555-569		12
21	Identification of toxicants from marine sediment using effect-directed analysis. <i>Environmental Toxicology</i> , 2005 , 20, 475-86	4.2	20
20	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
19	Identification of toxic products of anthracene photomodification in simulated sunlight. <i>Environmental Toxicology and Chemistry</i> , 2003 , 22, 2228-37	3.8	48
18	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
17	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
16	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
15	Polychlorinated naphthalenes in sediments from the industrial region of Bitterfeld. <i>Environmental Pollution</i> , 2003 , 121, 81-5	9.3	47
14	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
13	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
12	Hochwasser 2002. <i>Environmental Sciences Europe</i> , 2002 , 14, 213-220		10
11	Effect-directed fractionation and identification of cytochrome P4501A-inducing halogenated aromatic hydrocarbons in a contaminated sediment 2002 , 21, 2654		4
10	Effect-directed fractionation and identification of cytochrome p4501A-inducing halogenated aromatic hydrocarbons in a contaminated sediment. <i>Environmental Toxicology and Chemistry</i> , 2002 , 21, 2654-62	3.8	4
9	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
8	. <i>Environmental Toxicology and Chemistry</i> , 2000 , 19, 2493	3.8	60
7	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
6	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

5	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
4	. <i>Environmental Toxicology and Chemistry</i> , 1998 , 17, 1982	3.8	2
3	A bioassay-directed method for the separation of volatile compounds from landfill leachates. <i>Chemosphere</i> , 1997 , 34, 849-854	8.4	8
2	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
1	River Basin Risk Assessment Linked to Monitoring and Management. <i>Water Quality Measurements Series</i> , 271-285		