

Effect-based methods are key. The European Collaborat
integrating effect-based methods for diagnosis and mon

Environmental Sciences Europe

31,

DOI: 10.1186/s12302-019-0192-2

Citation Report

#	ARTICLE	IF	CITATIONS
1	Combination of yeast-based inÂvitro screens with high-performance thin-layer chromatography as a novel tool for the detection of hormonal and dioxin-like compounds. <i>Analytica Chimica Acta</i> , 2019, 1081, 218-230.	2.6	22
2	Future water quality monitoring: improving the balance between exposure and toxicity assessments of real-world pollutant mixtures. <i>Environmental Sciences Europe</i> , 2019, 31, .	2.6	142
3	Detection and Quantification of Photosystem II Inhibitors Using the Freshwater Alga <i>Desmodesmus subspicatus</i> in Combination with High-Performance Thin-Layer Chromatography. <i>Environmental Science & Technology</i> , 2019, 53, 13458-13467.	4.6	12
4	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, .	2.6	74
5	Let us empower the WFD to prevent risks of chemical pollution in European rivers and lakes. <i>Environmental Sciences Europe</i> , 2019, 31, .	2.6	13
6	Bioavailability of estrogenic compounds from sediment in the context of flood events evaluated by passive sampling. <i>Water Research</i> , 2019, 161, 540-548.	5.3	29
7	Occurrence of selected pharmaceuticals in wastewater treatment plants of Tuscany: An effect-based approach to evaluate the potential environmental impact. <i>International Journal of Hygiene and Environmental Health</i> , 2019, 222, 717-725.	2.1	62
8	Toxicological and ecotoxicological evaluation of the water quality in a large and eutrophic freshwater lake of China. <i>Science of the Total Environment</i> , 2019, 667, 809-820.	3.9	19
9	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, .	2.6	19
10	Hypo- or hyperactivity of zebrafish embryos provoked by neuroactive substances: a review on how experimental parameters impact the predictability of behavior changes. <i>Environmental Sciences Europe</i> , 2019, 31, .	2.6	50
11	Assessment of pesticides in surface water samples from Swedish agricultural areas by integrated bioanalysis and chemical analysis. <i>Environmental Sciences Europe</i> , 2019, 31, .	2.6	22
12	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, .	2.6	41
13	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, .	2.6	19
14	Evaluation of reverse osmosis drinking water treatment of riverbank filtrate using bioanalytical tools and non-target screening. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 103-116.	1.2	21
15	The toxicity of the methylimidazolium ionic liquids, with a focus on M8OI and hepatic effects. <i>Food and Chemical Toxicology</i> , 2020, 136, 111069.	1.8	48
16	Receptor-mediated estrogenicity of native and chemically dispersed crude oil determined using adapted microscale reporter gene assays. <i>Environment International</i> , 2020, 134, 105320.	4.8	7
17	Correcting deficiencies to risk assessment of surfactants by Freeling et al. (2019). <i>Science of the Total Environment</i> , 2020, 721, 135847.	3.9	1
18	Integration of target analyses, non-target screening and effect-based monitoring to assess OMP related water quality changes in drinking water treatment. <i>Science of the Total Environment</i> , 2020, 705, 135779.	3.9	51

#	ARTICLE	IF	CITATIONS
19	De Facto Water Reuse: Bioassay suite approach delivers depth and breadth in endocrine active compound detection. <i>Science of the Total Environment</i> , 2020, 699, 134297.	3.9	24
20	Assessing endocrine disruption in freshwater fish species from a "hotspot" for estrogenic activity in sediment. <i>Environmental Pollution</i> , 2020, 257, 113636.	3.7	21
21	The hydrothermal solution for self-sustaining drinking water purification at point of use. <i>Water Research</i> , 2020, 170, 115338.	5.3	8
22	Combining Different In Vitro Bioassays to Evaluate Genotoxicity of Water-Accommodated Fractions from Petroleum Products. <i>Toxics</i> , 2020, 8, 45.	1.6	10
23	Toxicity tests in wastewater and drinking water treatment processes: A complementary assessment tool to be on your radar. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104262.	3.3	45
24	Risk Characterization of Environmental Samples Using <i>In Vitro</i> Bioactivity and Polycyclic Aromatic Hydrocarbon Concentrations Data. <i>Toxicological Sciences</i> , 2021, 179, 108-120.	1.4	18
25	Wastewater treatment efficacy evaluated with <i>in vitro</i> bioassays. <i>Water Research X</i> , 2020, 9, 100072.	2.8	31
26	The NORMAN Association and the European Partnership for Chemicals Risk Assessment (PARC): let's cooperate!. <i>Environmental Sciences Europe</i> , 2020, 32, .	2.6	46
27	A Tiered Approach for Screening and Assessment of Environmental Mixtures by Omics and <i>In Vitro</i> Assays. <i>Environmental Science & Technology</i> , 2020, 54, 7430-7439.	4.6	24
28	Validation of the micro-EROD assay with H4IIE cells for assessing sediment contamination with dioxin-like chemicals. <i>Environmental Pollution</i> , 2020, 265, 114984.	3.7	3
29	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.	4.6	19
30	Selection of assay, organism, and approach in biomonitoring significantly affects the evaluation of genotoxic potential in aquatic environments. <i>Environmental Science and Pollution Research</i> , 2020, 27, 33903-33915.	2.7	7
31	Integrated approaches for detecting the occurrence and effects of endocrine disrupting substances in surface waters. <i>Current Opinion in Environmental Science and Health</i> , 2020, 18, 20-25.	2.1	4
32	Responsible Water Reuse Needs an Interdisciplinary Approach to Balance Risks and Benefits. <i>Water (Switzerland)</i> , 2020, 12, 1264.	1.2	18
33	Multiple Bioassays and Targeted and Nontargeted Analyses to Characterize Potential Toxicological Effects Associated with Sediments of Masan Bay: Focusing on AhR-Mediated Potency. <i>Environmental Science & Technology</i> , 2020, 54, 4443-4454.	4.6	31
34	Advancements in effect-based surface water quality assessment. <i>Water Research</i> , 2020, 183, 116017.	5.3	30
35	Ecological risk assessment of fifty pharmaceuticals and personal care products (PPCPs) in Chinese surface waters: A proposed multiple-level system. <i>Environment International</i> , 2020, 136, 105454.	4.8	203
36	Optimization of the Ames RAMOS test allows for a reproducible high-throughput mutagenicity test. <i>Science of the Total Environment</i> , 2020, 717, 137168.	3.9	14

#	ARTICLE	IF	CITATIONS
37	Analysis of mobile chemicals in the aquatic environmentâ€”current capabilities, limitations and future perspectives. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 4763-4784.	1.9	35
38	Tracking complex mixtures of chemicals in our changing environment. <i>Science</i> , 2020, 367, 388-392.	6.0	390
39	Regulating water reuse for agricultural irrigation: risks related to organic micro-contaminants. <i>Environmental Sciences Europe</i> , 2020, 32, .	2.6	110
40	Alternative type of Ames test allows for dynamic mutagenicity detection by online monitoring of respiration activity. <i>Science of the Total Environment</i> , 2020, 726, 137862.	3.9	10
41	Fish biomarkers from a different perspective: evidence of adaptive strategy of <i>Abramis brama</i> (L.) to chemical stress. <i>Environmental Sciences Europe</i> , 2020, 32, .	2.6	27
42	Challenges to water quality assessment in Europe â€” Is there scope for improvement of the current Water Framework Directive bioassessment scheme in rivers?. <i>Ecological Indicators</i> , 2021, 121, 107030.	2.6	31
43	Is a liver comparable to a liver? A comparison of different rat-derived S9-fractions with a biotechnological animal-free alternative in the Ames fluctuation assay. <i>Science of the Total Environment</i> , 2021, 759, 143522.	3.9	6
44	Towards â€”one substance â€” one assessmentâ€”™: An analysis of EU chemical registration and aquatic risk assessment frameworks. <i>Journal of Environmental Management</i> , 2021, 280, 111692.	3.8	30
45	Study of the photoinduced transformations of maprotiline in river water using liquid chromatography high-resolution mass spectrometry. <i>Science of the Total Environment</i> , 2021, 755, 143556.	3.9	7
46	A review of pharmaceutical occurrence and pathways in the aquatic environment in the context of a changing climate and the COVID-19 pandemic. <i>Analytical Methods</i> , 2021, 13, 575-594.	1.3	82
47	Assessment of source and treated water quality in seven drinking water treatment plants by in vitro bioassays â€” Oxidative stress and antiandrogenic effects after artificial infiltration. <i>Science of the Total Environment</i> , 2021, 758, 144001.	3.9	21
48	Glass-bottled drinking water: a time capsule to study the historic presence of hazardous chemicals using effect-based methods. <i>Environmental Sciences Europe</i> , 2021, 33, .	2.6	7
49	Coupling high-performance thin-layer chromatography with a battery of cell-based assays reveals bioactive components in wastewater and landfill leachates. <i>Ecotoxicology and Environmental Safety</i> , 2021, 214, 112092.	2.9	12
50	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.	3.9	24
51	Combining analytical and in vitro techniques for comprehensive assessments of chemical exposure and effect in green sea turtles (<i>Chelonia mydas</i>). <i>Chemosphere</i> , 2021, 274, 129752.	4.2	14
52	Natural toxins: environmental contaminants calling for attention. <i>Environmental Sciences Europe</i> , 2021, 33, .	2.6	4
53	Chemical pollution as a driver of biodiversity loss and potential deterioration of ecosystem services in Eastern Africa: A critical review. <i>South African Journal of Science</i> , 2021, 117, .	0.3	7
54	Estrogenicity of chemical mixtures revealed by a panel of bioassays. <i>Science of the Total Environment</i> , 2021, 785, 147284.	3.9	19

#	ARTICLE	IF	CITATIONS
55	(Eco)toxicological tests for assessing impacts of chemical stress to aquatic ecosystems: Facts, challenges, and future. <i>Science of the Total Environment</i> , 2021, 795, 148776.	3.9	59
56	An integrated approach for chemical water quality assessment of an urban river stretch through Effect-Based Methods and emerging pollutants analysis with a focus on genotoxicity. <i>Journal of Environmental Management</i> , 2021, 300, 113549.	3.8	12
57	Assessment of oil refinery wastewater and effluent integrating bioassays, mechanistic modelling and bioavailability evaluation. <i>Chemosphere</i> , 2022, 287, 132146.	4.2	12
58	Estimating the release of chemical substances from consumer products, textiles and pharmaceuticals to wastewater. <i>Chemosphere</i> , 2022, 287, 131854.	4.2	8
59	High-performance thin-layer chromatography in combination with a yeast-based multi-effect bioassay to determine endocrine effects in environmental samples. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 1321-1335.	1.9	11
60	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, .	2.6	7
61	Increase coherence, cooperation and cross-compliance of regulations on chemicals and water quality. <i>Environmental Sciences Europe</i> , 2019, 31, .	2.6	8
62	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, .	2.6	22
63	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, .	2.6	12
64	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, .	2.6	5
65	Mixtures of chemicals are important drivers of impacts on ecological status in European surface waters. <i>Environmental Sciences Europe</i> , 2019, 31, .	2.6	24
66	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, .	2.6	8
67	Mixture toxicity in the Erft River: assessment of ecological risks and toxicity drivers. <i>Environmental Sciences Europe</i> , 2020, 32, .	2.6	26
68	Extensive rain events have a more substantial impact than advanced effluent treatment on the endocrine-disrupting activity in an effluent-dominated small river. <i>Science of the Total Environment</i> , 2022, 807, 150887.	3.9	6
69	Geotextilien in Seedeichen – Ökotoxikologische Aspekte. <i>Wasser: Ökologie Und Bewirtschaftung</i> , 2020, , 101-115.	0.2	2
70	Monitoring of emerging contaminants of concern in the aquatic environment: a review of studies showing the application of effect-based measures. <i>Analytical Methods</i> , 2021, 13, 5120-5143.	1.3	17
71	Inconsistencies in How Environmental Risk Is Evaluated in Sweden for Dumping Dredged Sediment at Sea. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	3
72	Removal of oxidative stress and genotoxic activities during drinking water production by ozonation and granular activated carbon filtration. <i>Environmental Sciences Europe</i> , 2021, 33, .	2.6	8

#	ARTICLE	IF	CITATIONS
73	Micronuclei in Fish Erythrocytes as Genotoxic Biomarkers of Water Pollution: An Overview. <i>Reviews of Environmental Contamination and Toxicology</i> , 2021, 258, 195-240.	0.7	2
74	Quantitative non-targeted analysis: Bridging the gap between contaminant discovery and risk characterization. <i>Environment International</i> , 2022, 158, 107011.	4.8	37
75	A plea for the integration of Green Toxicology in sustainable bioeconomy strategies – Biosurfactants and microgel-based pesticide release systems as examples. <i>Journal of Hazardous Materials</i> , 2022, 426, 127800.	6.5	5
76	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> , 2022, 209, 117921.	5.3	7
77	A sensitive approach for screening acetylcholinesterase inhibition of water samples using ultra-performance liquid chromatography–tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2022, 1190, 123101.	1.2	5
78	Fish health in the Nidda as an indicator for ecosystem integrity: a case study for Central European small streams in densely populated areas. <i>Environmental Sciences Europe</i> , 2022, 34, .	2.6	2
79	Biological effect and chemical monitoring of Watch List substances in European surface waters: Steroidal estrogens and diclofenac – Effect-based methods for monitoring frameworks. <i>Environment International</i> , 2022, 159, 107033.	4.8	28
80	Impacts of Urban Wastewater Treatment on Aquatic Micropollutant Emissions in Europe. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2
81	Frontiers in quantifying wildlife behavioural responses to chemical pollution. <i>Biological Reviews</i> , 2022, 97, 1346-1364.	4.7	46
82	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.	2.6	39
83	A risk based assessment approach for chemical mixtures from wastewater treatment plant effluents. <i>Environment International</i> , 2022, 164, 107234.	4.8	38
84	Evaluation of effects–based methods as monitoring tools for assessing ecological impacts of metals in aquatic ecosystems. <i>Integrated Environmental Assessment and Management</i> , 2023, 19, 24-31.	1.6	1
85	Development and Automation of a Bacterial Biosensor to the Targeting of the Pollutants Toxic Effects by Portable Raman Spectrometer. <i>Sensors</i> , 2022, 22, 4352.	2.1	4
86	Artificial infiltration in drinking water production: Addressing chemical hazards using effect-based methods. <i>Water Research</i> , 2022, 221, 118776.	5.3	1
87	Cyclodextrins as Bricks for Tuning Polymer Properties. , 0, , .		1
88	European scale assessment of the potential of ozonation and activated carbon treatment to reduce micropollutant emissions with wastewater. <i>Science of the Total Environment</i> , 2022, 848, 157124.	3.9	14
89	Contribution of sediment contamination to multi-stress in lowland waters. <i>Science of the Total Environment</i> , 2022, 844, 157045.	3.9	4
90	Evaluation of Three ISO Estrogen Receptor Transactivation Assays Applied to 52 Domestic Effluent Samples. <i>Environmental Toxicology and Chemistry</i> , 2022, 41, 2512-2526.	2.2	2

#	ARTICLE	IF	CITATIONS
91	Combining Polar Organic Chemical Integrative Samplers (POCIS) with Toxicity Testing on Microalgae to Evaluate the Impact of Herbicide Mixtures in Surface Waters. <i>Environmental Toxicology and Chemistry</i> , 2022, 41, 2667-2678.	2.2	2
92	Wastewater toxicity removal: Integrated chemical and effect-based monitoring of full-scale conventional activated sludge and membrane bioreactor plants. <i>Science of the Total Environment</i> , 2022, 851, 158071.	3.9	9
93	Molecular biomarkers for oxidative stress and neuronal damage in red-bellied pacu (<i>Piaractus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 662	1.2	1
94	Endocrine disrupting chemicals entering European rivers: Occurrence and adverse mixture effects in treated wastewater. <i>Environment International</i> , 2022, 170, 107608.	4.8	9
95	The Effects of Single and Combined Stressors on Daphnidsâ€™ Enzyme Markers of Physiology and Metabolomics Validate the Impact of Pollution. <i>Toxics</i> , 2022, 10, 604.	1.6	7
96	The role of effect-based methods to address water quality monitoring in South Africa: a developing countryâ€™s struggle. <i>Environmental Science and Pollution Research</i> , 2022, 29, 84049-84055.	2.7	3
97	Identifying the impact of toxicity on stream macroinvertebrate communities in a multi-stressor context based on national ecological and ecotoxicological monitoring databases. <i>Science of the Total Environment</i> , 2022, , 160179.	3.9	1
98	Proposal for a tiered approach to evaluate the risk of transformation products formed from pesticide residues during drinking water treatment. <i>Environmental Sciences Europe</i> , 2022, 34, .	2.6	1
99	Effectâ€Based Trigger Values Are Essential for the Uptake of Effectâ€Based Methods in Water Safety Planning. <i>Environmental Toxicology and Chemistry</i> , 2023, 42, 714-726.	2.2	12
100	Review: mountain lakes as freshwater resources at risk from chemical pollution. <i>Environmental Sciences Europe</i> , 2023, 35, .	11.0	7
101	Wide-scope target screening characterization of legacy and emerging contaminants in the Danube River Basin by liquid and gas chromatography coupled with high-resolution mass spectrometry. <i>Water Research</i> , 2023, 230, 119539.	5.3	7
102	Risk assessment of chemicals and their mixtures are hindered by scarcity and inconsistencies between different environmental exposure limits. <i>Environmental Research</i> , 2023, 225, 115372.	3.7	7
103	Investigating the ecotoxicity of construction product eluates as multicomponent mixtures. <i>Environmental Sciences Europe</i> , 2023, 35, .	11.0	2
104	Using freshwater snail <i>Biomphalaria glabrata</i> (Say, 1818) as a biological model for ecotoxicology studies: a systematic review. <i>Environmental Science and Pollution Research</i> , 2023, 30, 28506-28524.	2.7	2
105	Beyond the Black Box of Life Cycle Assessment in Wastewater Treatment Plants: Which Help from Bioassays?. <i>Water (Switzerland)</i> , 2023, 15, 960.	1.2	1
106	Detrimental effects of individual versus combined exposure to tetrabromobisphenol A and polystyrene nanoplastics in fish cell lines. <i>Environmental Toxicology and Pharmacology</i> , 2023, 98, 104072.	2.0	6
107	Battery of In Vitro Bioassays: A Case Study for the Cost-Effective and Effect-Based Evaluation of Wastewater Effluent Quality. <i>Water (Switzerland)</i> , 2023, 15, 619.	1.2	2
108	Innovative electrochemical biosensor with nitrifying biofilm and nitrite oxidation signal for comprehensive toxicity detection in Tuojiang River. <i>Water Research</i> , 2023, 233, 119757.	5.3	2

#	ARTICLE	IF	CITATIONS
109	Building the Environmental Chemical-Protein Interaction Network (eCPIN): An Exposome-Wide Strategy for Bioactive Chemical Contaminant Identification. <i>Environmental Science & Technology</i> , 2023, 57, 3486-3495.	4.6	6
110	Fish-Kills in the Urban Stretch of the Tiber River After a Flash-Storm: Investigative Monitoring with Effect-Based Methods, Targeted Chemical Analyses, and Fish Assemblage Examinations. <i>Water, Air, and Soil Pollution</i> , 2023, 234, .	1.1	1
111	Commentary on the EU's Commission's proposal for amending the Water Framework Directive, the Groundwater Directive, and the Directive on Environmental Quality Standards. <i>Environmental Sciences Europe</i> , 2023, 35, .	11.0	5
112	Application of Effect-Based Methods to Water Quality Monitoring: Answering Frequently Asked Questions by Water Quality Managers, Regulators, and Policy Makers. <i>Environmental Science & Technology</i> , 2023, 57, 6023-6032.	4.6	5
113	Intergrading Water Quality Parameters, Benthic Fauna and Acute Toxicity Test for Risk Assessment on an Urban-Rural River. <i>Sustainability</i> , 2023, 15, 6423.	1.6	0
114	Molecular Responses of Daphnids to Chronic Exposures to Pharmaceuticals. <i>International Journal of Molecular Sciences</i> , 2023, 24, 4100.	1.8	3
118	Better integration of chemical pollution research will further our understanding of biodiversity loss. <i>Nature Ecology and Evolution</i> , 2023, 7, 1552-1555.	3.4	7
132	Ecotoxicological response of algae to contaminants in aquatic environments: a review. <i>Environmental Chemistry Letters</i> , 2024, 22, 919-939.	8.3	1