# Beate I Escher

List of Publications by Year
in descending order

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Version: 2024-02-01

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|---|---|---|---|
| 275<br>papers | 20,535<br>citations | 11908<br>72<br>h-index | 15253<br>130<br>g-index |
| 281<br>all docs | 281<br>docs citations | 281<br>times ranked | 17737<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Trout and Human Plasma Protein Binding of Selected Pharmaceuticals Informs the Fish Plasma Model. Environmental Toxicology and Chemistry, 2022, 41, 559-568. | 2.2 | 15 |
| 2 | Toxicity to bronchial cells and endocrine disruptive potentials of indoor air and dust extracts and their association with multiple chemical classes. Journal of Hazardous Materials, 2022, 424, 127306. | 6.5 | 3 |
| 3 | The Ecoâ€Exposome Concept: Supporting an Integrated Assessment of Mixtures of Environmental Chemicals. Environmental Toxicology and Chemistry, 2022, 41, 30-45. | 2.2 | 25 |
| 4 | Nitriles as main products from the oxidation of primary amines by ferrate(VI): Kinetics, mechanisms and toxicological implications for nitrogenous disinfection byproduct control. Water Research, 2022, 209, 117881. | 5.3 | 15 |
| 5 | Towards regulation of Endocrine Disrupting chemicals (EDCs) in water resources using bioassays â€“ A guide to developing a testing strategy. Environmental Research, 2022, 205, 112483. | 3.7 | 30 |
| 6 | Andrographolide Derivatives Target the KEAP1/NRF2 Axis and Possess Potent Antiâ€SARSâ€CoVâ€2 Activity. ChemMedChem, 2022, 17, e202100732. | 1.6 | 6 |
| 7 | Inhibition of neurite outgrowth and enhanced effects compared to baseline toxicity in SH-SY5Y cells. Archives of Toxicology, 2022, 96, 1039-1053. | 1.9 | 12 |
| 8 | pH-Dependent Partitioning of Ionizable Organic Chemicals between the Silicone Polymer Polydimethylsiloxane (PDMS) and Water. ACS Environmental Au, 2022, 2, 253-262. | 3.3 | 6 |
| 9 | One planet: one health. A call to support the initiative on a global scienceâ€“policy body on chemicals and waste. Environmental Sciences Europe, 2022, 34, 21. | 2.6 | 39 |
| 10 | Sorption and Mobility of Charged Organic Compounds: How to Confront and Overcome Limitations in Their Assessment. Environmental Science & Technology, 2022, 56, 4702-4710. | 4.6 | 41 |
| 11 | Inputs of disinfection by-products to the marine environment from various industrial activities: Comparison to natural production. Water Research, 2022, 217, 118383. | 5.3 | 18 |
| 12 | High-Throughput Assessment of the Abiotic Stability of Test Chemicals in In Vitro Bioassays. Chemical Research in Toxicology, 2022, 35, 867-879. | 1.7 | 6 |
| 13 | Impact of various aeration strategies on the removal of micropollutants and biological effects in aerated horizontal flow treatment wetlands. Science of the Total Environment, 2022, 828, 154423. | 3.9 | 6 |
| 14 | The Next Frontier of Environmental Unknowns: Substances of Unknown or Variable Composition, Complex Reaction Products, or Biological Materials (UVCBs). Environmental Science & Technology, 2022, 56, 7448-7466. | 4.6 | 29 |
| 15 | The EU chemicals strategy for sustainability: an opportunity to develop new approaches for hazard and risk assessment. Archives of Toxicology, 2022, 96, 2381-2386. | 1.9 | 7 |
| 16 | Di-(2-ethylhexyl) phthalate substitutes accelerate human adipogenesis through PPARÎ³ activation and cause oxidative stress and impaired metabolic homeostasis in mature adipocytes. Environment International, 2022, 164, 107279. | 4.8 | 19 |
| 17 | Activation of the xenobiotic metabolism and oxidative stress response by mixtures of organic pollutants extracted with in-tissue passive sampling from liver, kidney, brain and blubber of marine mammals. Environment International, 2022, 165, 107337. | 4.8 | 9 |
| 18 | Storm Eventâ€“Driven Occurrence and Transport of Dissolved and Sorbed Organic Micropollutants and Associated Effects in the Ammer River, Southwestern Germany. Environmental Toxicology and Chemistry, 2021, 40, 88-99. | 2.2 | 17 |

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|---|---|---|---|
| 19 | Effectâ€Based Trigger Values for Mixtures of Chemicals in Surface Water Detected with In Vitro Bioassays. Environmental Toxicology and Chemistry, 2021, 40, 487-499. | 2.2 | 36 |
| 20 | Unravelling the chemical exposome in cohort studies: routes explored and steps to become comprehensive. Environmental Sciences Europe, 2021, 33, 17. | 2.6 | 22 |
| 21 | Evaluation of an in vitro assay to screen for the immunotoxic potential of chemicals to fish. Scientific Reports, 2021, 11, 3167. | 1.6 | 12 |
| 22 | Suspended Particulate Matterâ€"A Source or Sink for Chemical Mixtures of Organic Micropollutants in a Small River under Baseflow Conditions?. Environmental Science & Technology, 2021, 55, 5106-5116. | 4.6 | 24 |
| 23 | Quantitative In Vitro-to-In Vivo Extrapolation: Nominal versus Freely Dissolved Concentration. Chemical Research in Toxicology, 2021, 34, 1175-1182. | 1.7 | 8 |
| 24 | Bioanalytical Tools in Water Quality Assessment. , 2021, , . | | 40 |
| 25 | Kinetics of Equilibrium Passive Sampling of Organic Chemicals with Polymers in Diverse Mammalian Tissues. Environmental Science & Technology, 2021, 55, 9097-9108. | 4.6 | 11 |
| 26 | Effective exposure of chemicals in in vitro cell systems: A review of chemical distribution models. Toxicology in Vitro, 2021, 73, 105133. | 1.1 | 58 |
| 27 | Removal of micropollutants and biological effects by conventional and intensified constructed wetlands treating municipal wastewater. Water Research, 2021, 201, 117349. | 5.3 | 21 |
| 28 | Critical Membrane Concentration and Mass-Balance Model to Identify Baseline Cytotoxicity of Hydrophobic and Ionizable Organic Chemicals in Mammalian Cell Lines. Chemical Research in Toxicology, 2021, 34, 2100-2109. | 1.7 | 23 |
| 29 | Pesticides are the dominant stressors for vulnerable insects in lowland streams. Water Research, 2021, 201, 117262. | 5.3 | 118 |
| 30 | Toxic effects of substituted p-benzoquinones and hydroquinones in in vitro bioassays are altered by reactions with the cell assay medium. Water Research, 2021, 202, 117415. | 5.3 | 15 |
| 31 | Comprehensive characterization of tire and road wear particles in highway tunnel road dust by use of size and density fractionation. Chemosphere, 2021, 279, 130530. | 4.2 | 77 |
| 32 | Estrogenicity of chemical mixtures revealed by a panel of bioassays. Science of the Total Environment, 2021, 785, 147284. | 3.9 | 19 |
| 33 | Alternatives for the worse: Molecular insights into adverse effects of bisphenol a and substitutes during human adipocyte differentiation. Environment International, 2021, 156, 106730. | 4.8 | 23 |
| 34 | Chemical mixtures in human post-mortem tissues assessed by a combination of chemical analysis and in vitro bioassays after extraction with silicone. Environment International, 2021, 157, 106867. | 4.8 | 11 |
| 35 | Effectâ€Directed Analysis of Progestogens and Glucocorticoids at Trace Concentrations in River Water. Environmental Toxicology and Chemistry, 2020, 39, 189-199. | 2.2 | 39 |
| 36 | Recommendations for Improving Methods and Models for Aquatic Hazard Assessment of Ionizable Organic Chemicals. Environmental Toxicology and Chemistry, 2020, 39, 269-286. | 2.2 | 42 |

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|---|---|---|---|
| 37 | Application ofin vitrobioassays for water quality monitoring in three drinking water treatment plants using different treatment processes including biological treatment, nanofiltration and ozonation coupled with disinfection. Environmental Science: Water Research and Technology, 2020, 6, 2444-2453. | 1.2 | 13 |
| 38 | Evaluation of reverse osmosis drinking water treatment of riverbank filtrate using bioanalytical tools and non-target screening. Environmental Science: Water Research and Technology, 2020, 6, 103-116. | 1.2 | 21 |
| 39 | Experimental Validation of Mass Balance Models for in Vitro Cell-Based Bioassays. Environmental Science & Technology, 2020, 54, 1120-1127. | 4.6 | 19 |
| 40 | IL4I1 Is a Metabolic Immune Checkpoint that Activates the AHR and Promotes Tumor Progression. Cell, 2020, 182, 1252-1270.e34. | 13.5 | 259 |
| 41 | Exploring the Concepts of Concentration Addition and Independent Action Using a Linear Lowâ€Effect Mixture Model. Environmental Toxicology and Chemistry, 2020, 39, 2552-2559. | 2.2 | 37 |
| 42 | Resilience of Micropollutant and Biological Effect Removal in an Aerated Horizontal Flow Treatment Wetland. Water (Switzerland), 2020, 12, 3050. | 1.2 | 13 |
| 43 | Bioavailable Environmental Pollutant Patterns in Sediments from Passive Equilibrium Sampling. Environmental Science & Technology, 2020, 54, 15861-15871. | 4.6 | 20 |
| 44 | Cytotoxicity Burst? Differentiating Specific from Nonspecific Effects in Tox21 in Vitro Reporter Gene Assays. Environmental Health Perspectives, 2020, 128, 77007. | 2.8 | 57 |
| 45 | Optimization of a pre-metabolization procedure using rat liver S9 and cell-extracted S9 in the Ames fluctuation test. Science of the Total Environment, 2020, 749, 141468. | 3.9 | 10 |
| 46 | Mixture Risk Drivers in Freshwater Sediments and Their Bioavailability Determined Using Passive Equilibrium Sampling. Environmental Science & Technology, 2020, 54, 13197-13206. | 4.6 | 17 |
| 47 | The Combined Algae Test for the Evaluation of Mixture Toxicity in Environmental Samples. Environmental Toxicology and Chemistry, 2020, 39, 2496-2508. | 2.2 | 14 |
| 48 | Direct sample introduction GC-MS/MS for quantification of organic chemicals in mammalian tissues and blood extracted with polymers without clean-up. Analytical and Bioanalytical Chemistry, 2020, 412, 7295-7305. | 1.9 | 10 |
| 49 | Wastewater treatment efficacy evaluated with inÂvitro bioassays. Water Research X, 2020, 9, 100072. | 2.8 | 31 |
| 50 | Influence of Emission Sources and Tributaries on the Spatial and Temporal Patterns of Micropollutant Mixtures and Associated Effects in a Small River. Environmental Toxicology and Chemistry, 2020, 39, 1382-1391. | 2.2 | 15 |
| 51 | Experimental Exposure Assessment of Ionizable Organic Chemicals in In Vitro Cell-Based Bioassays. Chemical Research in Toxicology, 2020, 33, 1845-1854. | 1.7 | 9 |
| 52 | Assessing the Mixture Effects in In Vitro Bioassays of Chemicals Occurring in Small Agricultural Streams during Rain Events. Environmental Science & Technology, 2020, 54, 8280-8290. | 4.6 | 66 |
| 53 | Influence of Co-Dosed Lipids from Biota Extracts on the Availability of Chemicals in In Vitro Cell-Based Bioassays. Environmental Science & Technology, 2020, 54, 4240-4247. | 4.6 | 8 |
| 54 | Maternal paraben exposure triggers childhood overweight development. Nature Communications, 2020, 11, 561. | 5.8 | 77 |

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|---|---|---|---|
| 55 | Tracking complex mixtures of chemicals in our changing environment. Science, 2020, 367, 388-392. | 6.0 | 390 |
| 56 | Mixture effects of drinking water disinfection by-products: implications for risk assessment. Environmental Science: Water Research and Technology, 2020, 6, 2341-2351. | 1.2 | 43 |
| 57 | Bioavailability of hydrophobic organic chemicals on an in vitro metabolic transformation using rat liver S9 fraction. Toxicology in Vitro, 2020, 66, 104835. | 1.1 | 11 |
| 58 | Cellular Metabolism in High-Throughput In Vitro Reporter Gene Assays and Implications for the Quantitative In Vitroâ€“In Vivo Extrapolation. Chemical Research in Toxicology, 2020, 33, 1770-1779. | 1.7 | 14 |
| 59 | Mixture Modelling and Effect-Directed Analysis for Identification of Chemicals, Mixtures and Effects of Concern. , 2020, , 87-97. | | 3 |
| 60 | Mono(2â€ethylhexyl) phthalate (MEHP) and mono(2â€ethylâ€5â€oxohexyl) phthalate (MEOHP) but not di(2â€ethylhexyl) phthalate (DEHP) bind productively to the peroxisome proliferatorâ€activated receptor Î³. Rapid Communications in Mass Spectrometry, 2019, 33, 75-85. | 0.7 | 26 |
| 61 | InÂvitro bioassays to assess drinking water quality. Current Opinion in Environmental Science and Health, 2019, 7, 1-7. | 2.1 | 28 |
| 62 | Baseline Toxicity and Volatility Cutoff in Reporter Gene Assays Used for High-Throughput Screening. Chemical Research in Toxicology, 2019, 32, 1646-1655. | 1.7 | 62 |
| 63 | Future water quality monitoring: improving the balance between exposure and toxicity assessments of real-world pollutant mixtures. Environmental Sciences Europe, 2019, 31, . | 2.6 | 142 |
| 64 | How To Improve the Dosing of Chemicals in High-Throughput in Vitro Mammalian Cell Assays. Chemical Research in Toxicology, 2019, 32, 1462-1468. | 1.7 | 16 |
| 65 | Effects of Leachates from UV-Weathered Microplastic in Cell-Based Bioassays. Environmental Science & Technology, 2019, 53, 9214-9223. | 4.6 | 91 |
| 66 | Effect-based methods are key. The European Collaborative Project SOLUTIONS recommends integrating effect-based methods for diagnosis and monitoring of water quality. Environmental Sciences Europe, 2019, 31, . | 2.6 | 140 |
| 67 | Let us empower the WFD to prevent risks of chemical pollution in European rivers and lakes. Environmental Sciences Europe, 2019, 31, . | 2.6 | 13 |
| 68 | Quantification of freely dissolved effect concentrations in in vitro cell-based bioassays. Archives of Toxicology, 2019, 93, 2295-2305. | 1.9 | 21 |
| 69 | Combined Ion-Trapping and Mass Balance Models To Describe the pH-Dependent Uptake and Toxicity of Acidic and Basic Pharmaceuticals in Zebrafish Embryos (Danio rerio). Environmental Science & Technology, 2019, 53, 7877-7886. | 4.6 | 27 |
| 70 | pHâ€Ðependent Uptake and Sublethal Effects of Antihistamines in Zebrafish (Danio rerio) Embryos. Environmental Toxicology and Chemistry, 2019, 38, 1012-1022. | 2.2 | 13 |
| 71 | Mitochondrial Toxicity of Selected Micropollutants, Their Mixtures, and Surface Water Samples Measured by the Oxygen Consumption Rate in Cells. Environmental Toxicology and Chemistry, 2019, 38, 1000-1011. | 2.2 | 12 |
| 72 | Global Transcriptional Analysis of Nontransformed Human Intestinal Epithelial Cells (FHs 74 Int) after Exposure to Selected Drinking Water Disinfection By-Products. Environmental Health Perspectives, 2019, 127, 117006. | 2.8 | 21 |

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| 73 | C18-Coated Solid-Phase Microextraction Fibers for the Quantification of Partitioning of Organic Acids to Proteins, Lipids, and Cells. Chemical Research in Toxicology, 2019, 32, 168-178. | 1.7 | 29 |
| 74 | Highâ€throughput screening and environmental risk assessment: State of the science and emerging applications. Environmental Toxicology and Chemistry, 2019, 38, 12-26. | 2.2 | 63 |
| 75 | Transformation of endocrine disrupting chemicals, pharmaceutical and personal care products during drinking water disinfection. Science of the Total Environment, 2019, 657, 1480-1490. | 3.9 | 42 |
| 76 | QSAR for baseline toxicity and classification of specific modes of action of ionizable organic chemicals in the zebrafish embryo toxicity test. Aquatic Toxicology, 2019, 207, 110-119. | 1.9 | 29 |
| 77 | Strengthen the European collaborative environmental research to meet European policy goals for achieving a sustainable, non-toxic environment. Environmental Sciences Europe, 2019, 31, . | 2.6 | 7 |
| 78 | Effect-based and chemical analytical methods to monitor estrogens under the European Water Framework Directive. TrAC - Trends in Analytical Chemistry, 2018, 102, 225-235. | 5.8 | 82 |
| 79 | 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. Science of the Total Environment, 2018, 628-629, 748-765. | 3.9 | 176 |
| 80 | Harvesting the promise of AOPs: An assessment and recommendations. Science of the Total Environment, 2018, 628-629, 1542-1556. | 3.9 | 52 |
| 81 | Effect-based monitoring of the Danube River using mobile passive sampling. Science of the Total Environment, 2018, 636, 1608-1619. | 3.9 | 29 |
| 82 | Mixture effects in samples of multiple contaminants â€“ An inter-laboratory study with manifold bioassays. Environment International, 2018, 114, 95-106. | 4.8 | 113 |
| 83 | Solid-phase extraction as sample preparation of water samples for cell-based and otherin vitrobioassays. Environmental Sciences: Processes and Impacts, 2018, 20, 493-504. | 1.7 | 53 |
| 84 | Metaâ€analysis of fish early life stage testsâ€”Association of toxic ratios and acuteâ€toâ€chronic ratios with modes of action. Environmental Toxicology and Chemistry, 2018, 37, 955-969. | 2.2 | 17 |
| 85 | Effect-directed analysis (EDA) of Danube River water sample receiving untreated municipal wastewater from Novi Sad, Serbia. Science of the Total Environment, 2018, 624, 1072-1081. | 3.9 | 58 |
| 86 | Bioanalytical assessment of adaptive stress responses in drinking water: A predictive tool to differentiate between micropollutants and disinfection by-products. Water Research, 2018, 132, 340-349. | 5.3 | 37 |
| 87 | Analysis of endocrine activity in drinking water, surface water and treated wastewater from six countries. Water Research, 2018, 139, 10-18. | 5.3 | 90 |
| 88 | Screening and risk management solutions for steroidal estrogens in surface and wastewater. TrAC - Trends in Analytical Chemistry, 2018, 102, 343-358. | 5.8 | 68 |
| 89 | Application of cell-based bioassays to evaluate treatment efficacy of conventional and intensified treatment wetlands. Environmental Science: Water Research and Technology, 2018, 4, 206-217. | 1.2 | 26 |
| 90 | Emerging investigator series: effect-based characterization of mixtures of environmental pollutants in diverse sediments. Environmental Sciences: Processes and Impacts, 2018, 20, 1667-1679. | 1.7 | 17 |

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| 91 | Combining in vitro reporter gene bioassays with chemical analysis to assess changes in the water quality along the Ammer River, Southwestern Germany. Environmental Sciences Europe, 2018, 30, 20. | 2.6 | 27 |
| 92 | 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?. Environmental Sciences Europe, 2018, 30, 33. | 2.6 | 76 |
| 93 | Application of Experimental Polystyrene Partition Constants and Diffusion Coefficients to Predict the Sorption of Neutral Organic Chemicals to Multiwell Plates in in Vivo and in Vitro Bioassays. Environmental Science & Technology, 2018, 52, 13511-13522. | 4.6 | 40 |
| 94 | Influence of pH on the uptake and toxicity of Î²-blockers in embryos of zebrafish, Danio rerio. Aquatic Toxicology, 2018, 201, 129-137. | 1.9 | 44 |
| 95 | Cellular Uptake Kinetics of Neutral and Charged Chemicals in in Vitro Assays Measured by Fluorescence Microscopy. Chemical Research in Toxicology, 2018, 31, 646-657. | 1.7 | 29 |
| 96 | What is driving the NF-ÎºB response in environmental water extracts?. Chemosphere, 2018, 210, 645-652. | 4.2 | 7 |
| 97 | The advantages of linear concentrationâ€“response curves for in vitro bioassays with environmental samples. Environmental Toxicology and Chemistry, 2018, 37, 2273-2280. | 2.2 | 88 |
| 98 | Reducing Uncertainty and Confronting Ignorance about the Possible Impacts of Weathering Plastic in the Marine Environment. Environmental Science and Technology Letters, 2017, 4, 85-90. | 3.9 | 372 |
| 99 | Toxic Mixtures in Timeâ€”The Sequence Makes the Poison. Environmental Science & Technology, 2017, 51, 3084-3092. | 4.6 | 52 |
| 100 | General baseline toxicity QSAR for nonpolar, polar and ionisable chemicals and their mixtures in the bioluminescence inhibition assay with Aliivibrio fischeri. Environmental Sciences: Processes and Impacts, 2017, 19, 414-428. | 1.7 | 55 |
| 101 | Baseline toxicity and ion-trapping models to describe the pH-dependence of bacterial toxicity of pharmaceuticals. Environmental Sciences: Processes and Impacts, 2017, 19, 901-916. | 1.7 | 23 |
| 102 | Modeling Exposure in the Tox21 in Vitro Bioassays. Chemical Research in Toxicology, 2017, 30, 1197-1208. | 1.7 | 103 |
| 103 | Exploring the oxidative stress response mechanism triggered by environmental water samples. Environmental Sciences: Processes and Impacts, 2017, 19, 1126-1133. | 1.7 | 10 |
| 104 | From the exposome to mechanistic understanding of chemical-induced adverse effects. Environment International, 2017, 99, 97-106. | 4.8 | 146 |
| 105 | Applying mixture toxicity modelling to predict bacterial bioluminescence inhibition by non-specifically acting pharmaceuticals and specifically acting antibiotics. Chemosphere, 2017, 173, 387-394. | 4.2 | 25 |
| 106 | Development of a bioanalytical test battery for water quality monitoring: Fingerprinting identified micropollutants and their contribution to effects in surface water. Water Research, 2017, 123, 734-750. | 5.3 | 179 |
| 107 | Integrating chemical analysis and bioanalysis to evaluate the contribution of wastewater effluent on the micropollutant burden in small streams. Science of the Total Environment, 2017, 576, 785-795. | 3.9 | 131 |
| 108 | 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. Science of the Total Environment, 2017, 576, 720-737. | 3.9 | 255 |

| # | Article | IF | Citations |
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| 109 | Impact of untreated wastewater on a major European river evaluated with a combination of inÂvitro bioassays and chemical analysis. Environmental Pollution, 2017, 220, 1220-1230. | 3.7 | 169 |
| 110 | Point-of-use water filters can effectively remove disinfection by-products and toxicity from chlorinated and chloraminated tap water. Environmental Science: Water Research and Technology, 2016, 2, 875-883. | 1.2 | 17 |
| 111 | The 2015 Annual Meeting of SETAC German Language Branch in Zurich (7â€“10 September, 2015): Ecotoxicology and environmental chemistryâ€”from research to application. Environmental Sciences Europe, 2016, 28, 20. | 2.6 | 1 |
| 112 | Solubility enhancement of dioxins and PCBs by surfactant monomers and micelles quantified with polymer depletion techniques. Chemosphere, 2016, 152, 99-106. | 4.2 | 20 |
| 113 | Sample Enrichment for Bioanalytical Assessment of Disinfected Drinking Water: Concentrating the Polar, the Volatiles, and the Unknowns. Environmental Science & Technology, 2016, 50, 6495-6505. | 4.6 | 63 |
| 114 | Development of a general baseline toxicity QSAR model for the fish embryo acute toxicity test. Chemosphere, 2016, 164, 164-173. | 4.2 | 71 |
| 115 | Pathway-Based Approaches for Environmental Monitoring and Risk Assessment. Environmental Science & Technology, 2016, 50, 10295-10296. | 4.6 | 12 |
| 116 | Including Bioconcentration Kinetics for the Prioritization and Interpretation of Regulatory Aquatic Toxicity Tests of Highly Hydrophobic Chemicals. Environmental Science & Technology, 2016, 50, 12004-12011. | 4.6 | 16 |
| 117 | Bioassay battery interlaboratory investigation of emerging contaminants in spiked water extracts â€“ Towards the implementation of bioanalytical monitoring tools in water quality assessment and monitoring. Water Research, 2016, 104, 473-484. | 5.3 | 71 |
| 118 | Combining Passive Sampling with Toxicological Characterization of Complex Mixtures of Pollutants from the Aquatic Environment. Advances in Biochemical Engineering/Biotechnology, 2016, 157, 225-261. | 0.6 | 6 |
| 119 | Pathway-Based Approaches for Environmental Monitoring and Risk Assessment. Chemical Research in Toxicology, 2016, 29, 1789-1790. | 1.7 | 9 |
| 120 | Bioanalytical effect-balance model to determine the bioavailability of organic contaminants in sediments affected by black and natural carbon. Chemosphere, 2016, 156, 181-190. | 4.2 | 13 |
| 121 | Fingerprinting the reactive toxicity pathways of 50 drinking water disinfection by-products. Water Research, 2016, 91, 19-30. | 5.3 | 144 |
| 122 | Strategies for Transferring Mixtures of Organic Contaminants from Aquatic Environments into Bioassays. Environmental Science & Technology, 2016, 50, 5424-5431. | 4.6 | 44 |
| 123 | Experimental Solubility Approach to Determine PDMSâ€“Water Partition Constants and PDMS Activity Coefficients. Environmental Science & Technology, 2016, 50, 3047-3054. | 4.6 | 21 |
| 124 | New Polymer Passive Sampler for Sensitive Biomonitoring of Lipid-Rich Matrices. Environmental Science and Technology Letters, 2016, 3, 52-56. | 3.9 | 5 |
| 125 | Effect-directed analysis supporting monitoring of aquatic environments â€” An in-depth overview. Science of the Total Environment, 2016, 544, 1073-1118. | 3.9 | 288 |
| 126 | Chemical and bioanalytical assessment of coal seam gas associated water. Environmental Chemistry, 2015, 12, 267. | 0.7 | 8 |

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| 127 | Bioanalytical Approaches to Understanding Toxicological Implications of Mixtures of Persistent Organic Pollutants in Marine Wildlife. Comprehensive Analytical Chemistry, 2015, 67, 57-84. | 0.7 | 9 |
| 128 | Future water quality monitoring â€" Adapting tools to deal with mixtures of pollutants in water resource management. Science of the Total Environment, 2015, 512-513, 540-551. | 3.9 | 243 |
| 129 | InÂvitro bioassays to evaluate complex chemical mixtures in recycled water. Water Research, 2015, 80, 1-11. | 5.3 | 97 |
| 130 | Understanding the implications of dissolved organic carbon when assessing antagonism in vitro: An example with an estrogen receptor assay. Chemosphere, 2015, 135, 341-346. | 4.2 | 25 |
| 131 | Death Dilemma and Organism Recovery in Ecotoxicology. Environmental Science & Technology, 2015, 49, 10136-10146. | 4.6 | 42 |
| 132 | Effect-based trigger values for inÂvitro bioassays: Reading across from existing water quality guideline values. Water Research, 2015, 81, 137-148. | 5.3 | 80 |
| 133 | Bioanalytical evidence that chemicals in tattoo ink can induce adaptive stress responses. Journal of Hazardous Materials, 2015, 296, 192-200. | 6.5 | 22 |
| 134 | Adaptive Stress Response Pathways Induced by Environmental Mixtures of Bioaccumulative Chemicals in Dugongs. Environmental Science & Technology, 2015, 49, 6963-6973. | 4.6 | 29 |
| 135 | In Vitro Cytotoxicity and Adaptive Stress Responses to Selected Haloacetic Acid and Halobenzoquinone Water Disinfection Byproducts. Chemical Research in Toxicology, 2015, 28, 2059-2068. | 1.7 | 64 |
| 136 | Linking in Vitro Effects and Detected Organic Micropollutants in Surface Water Using Mixture-Toxicity Modeling. Environmental Science & Technology, 2015, 49, 14614-14624. | 4.6 | 164 |
| 137 | Coupling passive sampling with in vitro bioassays and chemical analysis to understand combined effects of bioaccumulative chemicals in blood of marine turtles. Chemosphere, 2015, 138, 292-299. | 4.2 | 29 |
| 138 | Behaviour of titanium dioxide and zinc oxide nanoparticles in the presence of wastewater-derived organic matter and implications for algal toxicity. Environmental Science: Nano, 2015, 2, 86-93. | 2.2 | 30 |
| 139 | The SOLUTIONS project: Challenges and responses for present and future emerging pollutants in land and water resources management. Science of the Total Environment, 2015, 503-504, 22-31. | 3.9 | 163 |
| 140 | Realistic environmental mixtures of micropollutants in surface, drinking, and recycled water: Herbicides dominate the mixture toxicity toward algae. Environmental Toxicology and Chemistry, 2014, 33, 1427-1436. | 2.2 | 49 |
| 141 | Passive sampling methods for contaminated sediments: Scientific rationale supporting use of freely dissolved concentrations. Integrated Environmental Assessment and Management, 2014, 10, 197-209. | 1.6 | 153 |
| 142 | Bioanalytical and chemical evaluation of disinfection by-products in swimming pool water. Water Research, 2014, 59, 172-184. | 5.3 | 92 |
| 143 | Mixture Effects of Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX) on Lung Carcinoma Cells via a Hanging Drop Air Exposure System. Chemical Research in Toxicology, 2014, 27, 952-959. | 1.7 | 42 |
| 144 | Electrochemical treatment of reverse osmosis concentrate on boron-doped electrodes in undivided and divided cell configurations. Journal of Hazardous Materials, 2014, 279, 111-116. | 6.5 | 33 |

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|---|---|---|---|
| 145 | Benchmarking Organic Micropollutants in Wastewater, Recycled Water and Drinking Water with In Vitro Bioassays. Environmental Science & Technology, 2014, 48, 1940-1956. | 4.6 | 367 |
| 146 | Does co-extracted dissolved organic carbon cause artefacts in cell-based bioassays?. Chemosphere, 2014, 108, 281-288. | 4.2 | 19 |
| 147 | Which chemicals drive biological effects in wastewater and recycled water?. Water Research, 2014, 60, 289-299. | 5.3 | 100 |
| 148 | Urban stormwater harvesting and reuse: a probe into the chemical, toxicology and microbiological contaminants in water quality. Environmental Monitoring and Assessment, 2013, 185, 6645-6652. | 1.3 | 39 |
| 149 | Toxicity characterization of urban stormwater with bioanalytical tools. Water Research, 2013, 47, 5594-5606. | 5.3 | 69 |
| 150 | Bioanalytical and chemical assessment of the disinfection by-product formation potential: Role of organic matter. Water Research, 2013, 47, 5409-5421. | 5.3 | 82 |
| 151 | Characterization of acetylcholinesterase inhibition and energy allocation in Daphnia magna exposed to carbaryl. Ecotoxicology and Environmental Safety, 2013, 98, 28-35. | 2.9 | 36 |
| 152 | Liposome and proteinâ€“water partitioning of polybrominated diphenyl ethers (PBDEs). Chemosphere, 2013, 90, 505-511. | 4.2 | 32 |
| 153 | Hanging drop: An in vitro air toxic exposure model using human lung cells in 2D and 3D structures. Journal of Hazardous Materials, 2013, 261, 701-710. | 6.5 | 31 |
| 154 | Mixture effects of organic micropollutants present in water: Towards the development of effect-based water quality trigger values for baseline toxicity. Water Research, 2013, 47, 3300-3314. | 5.3 | 138 |
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