

Christian Zwiener

List of Publications by Year in Descending Order

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

62

papers

2,973

citations

27

h-index

54

g-index

69

ext. papers

3,466

ext. citations

7.4

avg, IF

5.5

L-index

| # | Paper | IF | Citations |
|----|---|------|-----------|
| 62 | Effects of the Antidepressants Citalopram and Venlafaxine on the Big Ramshorn Snail (<i>Planorbis</i> <i>corneus</i>). <i>Water (Switzerland)</i> , 2021 , 13, 1722 | 3 | 2 |
| 61 | Separation of Photochemical and Non-Photochemical Diurnal In-Stream Attenuation of Micropollutants. <i>Environmental Science & Technology</i> , 2021 , 55, 8908-8917 | 10.3 | 4 |
| 60 | LC-HRMS screening of per- and polyfluorinated alkyl substances (PFAS) in impregnated paper samples and contaminated soils. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 1 | 4.4 | 2 |
| 59 | Storm Event-Driven Occurrence and Transport of Dissolved and Sorbed Organic Micropollutants and Associated Effects in the Ammer River, Southwestern Germany. <i>Environmental Toxicology and Chemistry</i> , 2021 , 40, 88-99 | 3.8 | 6 |
| 58 | Behavioral and Developmental Changes in Brown Trout After Exposure to the Antidepressant Venlafaxine. <i>Frontiers in Environmental Science</i> , 2021 , 8, | 4.8 | 5 |
| 57 | Electrochemical Oxidation of 6:2 Polyfluoroalkyl Phosphate Diester-Simulation of Transformation Pathways and Reaction Kinetics with Hydroxyl Radicals. <i>Environmental Science & Technology</i> , 2021 , | 10.3 | 3 |
| 56 | Influence of Emission Sources and Tributaries on the Spatial and Temporal Patterns of Micropollutant Mixtures and Associated Effects in a Small River. <i>Environmental Toxicology and Chemistry</i> , 2020 , 39, 1382-1391 | 3.8 | 9 |
| 55 | Temporal and spatial variable in-stream attenuation of selected pharmaceuticals. <i>Science of the Total Environment</i> , 2020 , 741, 139514 | 10.2 | 7 |
| 54 | Norfluoxetine Is the Only Metabolite of Fluoxetine in Zebrafish (<i>Danio rerio</i>) Embryos That Accumulates at Environmentally Relevant Exposure Scenarios. <i>Environmental Science & Technology</i> , 2020 , 54, 4200-4209 | 10.3 | 19 |
| 53 | Trihalomethanes in Drinking Water and Bladder Cancer Burden in the European Union. <i>Environmental Health Perspectives</i> , 2020 , 128, 17001 | 8.4 | 46 |
| 52 | LC-MS screening of poly- and perfluoroalkyl substances in contaminated soil by Kendrick mass analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 4797-4805 | 4.4 | 18 |
| 51 | Impact of the antidepressant citalopram on the behaviour of two different life stages of brown trout. <i>PeerJ</i> , 2020 , 8, e8765 | 3.1 | 11 |
| 50 | Simultaneous determination of multiclass antibiotics in sewage sludge based on QuEChERS extraction and liquid chromatography-tandem mass spectrometry. <i>Analytical Methods</i> , 2020 , 12, 576-586 | 3.2 | 13 |
| 49 | Possible links between groundwater geochemistry and chronic kidney disease of unknown etiology (CKDu): an investigation from the Ginnoruwa region in Sri Lanka. <i>Exposure and Health</i> , 2020 , 12, 823-834 | 8.8 | 28 |
| 48 | Comparison of environmental tracers including organic micropollutants as groundwater exfiltration indicators into a small river of a karstic catchment. <i>Hydrological Processes</i> , 2020 , 34, 4712-4726 | 3.3 | 1 |
| 47 | Biodegradation of Pesticides at the Limit: Kinetics and Microbial Substrate Use at Low Concentrations. <i>Frontiers in Microbiology</i> , 2020 , 11, 2107 | 5.7 | 8 |
| 46 | Interacting Effects of Polystyrene Microplastics and the Antidepressant Amitriptyline on Early Life Stages of Brown Trout (<i>Salmo trutta</i> f. <i>fario</i>). <i>Water (Switzerland)</i> , 2020 , 12, 2361 | 3 | 7 |

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| 45 | Abiotic and biotic transformation of torasemide - Occurrence of degradation products in the aquatic environment. <i>Water Research</i> , 2020 , 177, 115753 | 12.5 | 4 |
| 44 | Identification of transformation products of denatonium - Occurrence in wastewater treatment plants and surface waters. <i>Science of the Total Environment</i> , 2019 , 686, 140-150 | 10.2 | 4 |
| 43 | Transformation Products of Fluoxetine Formed by Photodegradation in Water and Biodegradation in Zebrafish Embryos (<i>Danio rerio</i>). <i>Environmental Science & Technology</i> , 2019 , 53, 7400-7409 | 10.3 | 15 |
| 42 | Closing the gap - inclusion of ultrashort-chain perfluoroalkyl carboxylic acids in the total oxidizable precursor (TOP) assay protocol. <i>Environmental Sciences: Processes and Impacts</i> , 2019 , 21, 1926-1935 | 4.3 | 23 |
| 41 | Impact of the Antidiabetic Drug Metformin and Its Transformation Product Guanylurea on the Health of the Big Ramshorn Snail (<i>Planorbis corneus</i>). <i>Frontiers in Environmental Science</i> , 2019 , 7, | 4.8 | 9 |
| 40 | Exposure to disinfection by-products in swimming pools and biomarkers of genotoxicity and respiratory damage - The PISCINA2 Study. <i>Environment International</i> , 2019 , 131, 104988 | 12.9 | 10 |
| 39 | Effects of guanylurea, the transformation product of the antidiabetic drug metformin, on the health of brown trout (<i>f.</i>). <i>PeerJ</i> , 2019 , 7, e7289 | 3.1 | 3 |
| 38 | Mitochondrial Toxicity of Selected Micropollutants, Their Mixtures, and Surface Water Samples Measured by the Oxygen Consumption Rate in Cells. <i>Environmental Toxicology and Chemistry</i> , 2019 , 38, 1000-1011 | 3.8 | 7 |
| 37 | Fate of wastewater contaminants in rivers: Using conservative-tracer based transfer functions to assess reactive transport. <i>Science of the Total Environment</i> , 2019 , 656, 1250-1260 | 10.2 | 26 |
| 36 | Aerobic and anaerobic formation and biodegradation of guanyl urea and other transformation products of metformin. <i>Water Research</i> , 2019 , 149, 130-135 | 12.5 | 18 |
| 35 | Photolysis of four β -lactam antibiotics under simulated environmental conditions: Degradation, transformation products and antibacterial activity. <i>Science of the Total Environment</i> , 2019 , 651, 1605-1612 | 10.2 | 47 |
| 34 | Robust trace analysis of polar (C-C) perfluorinated carboxylic acids by liquid chromatography-tandem mass spectrometry: method development and application to surface water, groundwater and drinking water. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 7326-7336 | 5.1 | 46 |
| 33 | Formation and occurrence of transformation products of metformin in wastewater and surface water. <i>Science of the Total Environment</i> , 2018 , 628-629, 1121-1129 | 10.2 | 34 |
| 32 | Occurrence and overlooked sources of the biocide carbendazim in wastewater and surface water. <i>Environmental Pollution</i> , 2018 , 239, 512-521 | 9.3 | 39 |
| 31 | Effects of exposure to water disinfection by-products in a swimming pool: A metabolome-wide association study. <i>Environment International</i> , 2018 , 111, 60-70 | 12.9 | 49 |
| 30 | Combining in vitro reporter gene bioassays with chemical analysis to assess changes in the water quality along the Ammer River, Southwestern Germany. <i>Environmental Sciences Europe</i> , 2018 , 30, 20 | 5 | 17 |
| 29 | Does the antidiabetic drug metformin affect embryo development and the health of brown trout (<i>f.</i>)?. <i>Environmental Sciences Europe</i> , 2018 , 30, 48 | 5 | 12 |
| 28 | Denatonium - A so far unrecognized but ubiquitous water contaminant?. <i>Water Research</i> , 2017 , 112, 254-260 | 12.5 | 11 |

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| 27 | Acute changes in serum immune markers due to swimming in a chlorinated pool. <i>Environment International</i> , 2017 , 105, 1-11 | 12.9 | 22 |
| 26 | Assessment of N-Oxide Formation during Wastewater Ozonation. <i>Environmental Science & Technology</i> , 2017 , 51, 410-417 | 10.3 | 44 |
| 25 | Application and characterization of electroactive membranes based on carbon nanotubes and zerovalent iron nanoparticles. <i>Water Research</i> , 2017 , 108, 78-85 | 12.5 | 39 |
| 24 | Environmental and personal determinants of the uptake of disinfection by-products during swimming. <i>Environmental Research</i> , 2016 , 149, 206-215 | 7.9 | 32 |
| 23 | An insight of disinfection by-product (DBP) formation by alternative disinfectants for swimming pool disinfection under tropical conditions. <i>Water Research</i> , 2016 , 101, 535-546 | 12.5 | 39 |
| 22 | Non-target screening with high-resolution mass spectrometry: critical review using a collaborative trial on water analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 6237-55 | 4.4 | 35 ⁸ |
| 21 | Ion Mobility Spectrometry To Monitor Trichloramine in Indoor Pool Air. <i>ACS Symposium Series</i> , 2015 , 431-446 | 4.4 | 2 |
| 20 | Mass spectrometric screening and identification of acidic metabolites in fulvic acid fractions of contaminated groundwater. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 3415-29 | 4.4 | 4 |
| 19 | Tracking artificial sweeteners and pharmaceuticals introduced into urban groundwater by leaking sewer networks. <i>Science of the Total Environment</i> , 2012 , 430, 8-19 | 10.2 | 137 |
| 18 | Is nontarget screening of emerging contaminants by LC-HRMS successful? A plea for compound libraries and computer tools. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 403, 2493-502 | 4.4 | 89 |
| 17 | New developments in the trace analysis of organic water pollutants. <i>Applied Microbiology and Biotechnology</i> , 2012 , 94, 11-28 | 5.7 | 39 |
| 16 | Metabolites indicate hot spots of biodegradation and biogeochemical gradients in a high-resolution monitoring well. <i>Environmental Science & Technology</i> , 2011 , 45, 474-81 | 10.3 | 48 |
| 15 | Trichloramine in swimming pools--formation and mass transfer. <i>Water Research</i> , 2011 , 45, 2681-90 | 12.5 | 78 |
| 14 | Electrochemical reduction of the iodinated contrast medium iomeprol: iodine mass balance and identification of transformation products. <i>Analytical and Bioanalytical Chemistry</i> , 2009 , 395, 1885-92 | 4.4 | 26 |
| 13 | Occurrence and analysis of pharmaceuticals and their transformation products in drinking water treatment. <i>Analytical and Bioanalytical Chemistry</i> , 2007 , 387, 1159-62 | 4.4 | 92 |
| 12 | Drowning in disinfection byproducts? Assessing swimming pool water. <i>Environmental Science & Technology</i> , 2007 , 41, 363-72 | 10.3 | 264 |
| 11 | Swimming pool water--fractionation and genotoxicological characterization of organic constituents. <i>Water Research</i> , 2005 , 39, 4494-502 | 12.5 | 47 |
| 10 | Analysis of disinfection by-products in drinking water by LCMS and related MS techniques. <i>TrAC - Trends in Analytical Chemistry</i> , 2005 , 24, 613-621 | 14.6 | 41 |

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| 9 | Elimination of Swimming Pool Water Disinfection By-products with Advanced Oxidation Processes (AOPs). <i>Clean - Soil, Air, Water</i> , 2005 , 33, 585-594 | | 25 |
| 8 | LC-MS analysis in the aquatic environment and in water treatment--a critical review. Part I: Instrumentation and general aspects of analysis and detection. <i>Analytical and Bioanalytical Chemistry</i> , 2004 , 378, 851-61 | 4.4 | 82 |
| 7 | LC-MS analysis in the aquatic environment and in water treatment technology--a critical review. Part II: Applications for emerging contaminants and related pollutants, microorganisms and humic acids. <i>Analytical and Bioanalytical Chemistry</i> , 2004 , 378, 862-74 | 4.4 | 86 |
| 6 | Gekoppelte Massenspektrometrie für die Wasseranalyse. <i>Nachrichten Aus Der Chemie</i> , 2004 , 52, 156-159 | 0.1 | 1 |
| 5 | Short-term tests with a pilot sewage plant and biofilm reactors for the biological degradation of the pharmaceutical compounds clofibric acid, ibuprofen, and diclofenac. <i>Science of the Total Environment</i> , 2003 , 309, 201-11 | 10.2 | 213 |
| 4 | Metabolites from the biodegradation of pharmaceutical residues of ibuprofen in biofilm reactors and batch experiments. <i>Analytical and Bioanalytical Chemistry</i> , 2002 , 372, 569-75 | 4.4 | 137 |
| 3 | Identification and quantification of polar naphthalene derivatives in contaminated groundwater of a former gas plant site by liquid chromatography-electrospray ionization tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2002 , 967, 201-7 | 4.5 | 48 |
| 2 | Zielvorgaben für Pflanzenschutzmittelwirkstoffe und andere Schadstoffe in Oberflächengewässern. <i>Clean - Soil, Air, Water</i> , 2001 , 29, 246 | | 4 |
| 1 | Oxidative treatment of pharmaceuticals in water. <i>Water Research</i> , 2000 , 34, 1881-1885 | 12.5 | 409 |