Juliane Hollender

List of Publications by Year in Descending Order

220 papers	14,521 citations	64 h-index	114 g-index
231 ext. papers	17,115 ext. citations	7.8 avg, IF	6.77 L-index

#	Paper	IF	Citations
220	One planet: one health. A call to support the initiative on a global science-policy body on chemicals and waste.. *Environmental Sciences Europe*, **2022**, 34, 21	5	2
219	Systematic Underestimation of Pesticide Burden for Invertebrates under Field Conditions: Comparing the Influence of Dietary Uptake and Aquatic Exposure Dynamics. *ACS Environmental Au*, **2022**, 2, 166-175		0
218	Comprehensive screening of polar emerging organic contaminants including PFASs and evaluation of the trophic transfer behavior in a freshwater food web.. *Water Research*, **2022**, 218, 118514	12.5	0
217	Synthetic surfactants in Swiss sewage sludges: Analytical challenges, concentrations and per capita loads. *Science of the Total Environment*, **2021**, 808, 151361	10.2	2
216	Retrospective HRMS Screening and Dedicated Target Analysis Reveal a Wide Exposure to Pyrrolizidine Alkaloids in Small Streams. *Environmental Science & Technology*, **2021**, 55, 1036-1044	10.3	7
215	Identification of LC-HRMS nontarget signals in groundwater after source related prioritization. *Water Research*, **2021**, 196, 116994	12.5	9
214	Metabolomic Profiling and Toxicokinetics Modeling to Assess the Effects of the Pharmaceutical Diclofenac in the Aquatic Invertebrate. *Environmental Science & Technology*, **2021**, 55, 7920-7929	10.3	4
213	Natural estrogen emissions to subsurface tile drains from experimental grassland fields in Switzerland after application of livestock slurries and free compounds. *Science of the Total Environment*, **2021**, 779, 146351	10.2	5
212	Paradise lost? Pesticide pollution in a European region with considerable amount of traditional agriculture. *Water Research*, **2021**, 188, 116528	12.5	13
211	Characterization of water-soluble synthetic polymeric substances in wastewater using LC-HRMS/MS. *Water Research*, **2021**, 190, 116745	12.5	7
210	Characterization of advanced wastewater treatment with ozone and activated carbon using LC-HRMS based non-target screening with automated trend assignment. *Water Research*, **2021**, 200, 117209	12.5	8
209	Inter-laboratory mass spectrometry dataset based on passive sampling of drinking water for non-target analysis. *Scientific Data*, **2021**, 8, 223	8.2	2
208	Development and Application of Liquid Chromatographic Retention Time Indices in HRMS-Based Suspect and Nontarget Screening. *Analytical Chemistry*, **2021**, 93, 11601-11611	7.8	11
207	Aquatic occurrence of phytotoxins in small streams triggered by biogeography, vegetation growth stage, and precipitation. *Science of the Total Environment*, **2021**, 798, 149128	10.2	2
206	Benchmarking of the quantification approaches for the non-targeted screening of micropollutants and their transformation products in groundwater. *Analytical and Bioanalytical Chemistry*, **2021**, 413, 1549-1559	4.4	13
205	The NORMAN Association and the European Partnership for Chemicals Risk Assessment (PARC): let cooperate!. *Environmental Sciences Europe*, **2020**, 32,	5	12
204	Enantiomeric Fractionation during Biotransformation of Chiral Pharmaceuticals in Recirculating Water-Sediment Test Flumes. *Environmental Science & Technology*, **2020**, 54, 7291-7301	10.3	10

203	Chlorothalonil transformation products in drinking water resources: Widespread and challenging to abate. *Water Research*, **2020**, 183, 116066	12.5	11
202	Occurrence and Fate of Natural Estrogens in Swiss Cattle and Pig Slurry. *Journal of Agricultural and Food Chemistry*, **2020**, 68, 5545-5554	5.7	10
201	Target and suspect screening analysis reveals persistent emerging organic contaminants in soils and sediments. *Science of the Total Environment*, **2020**, 740, 140181	10.2	17
200	"Is there anybody else out there?" - First Insights from a Suspect Screening for Phytotoxins in Surface Water. *Chimia*, **2020**, 74, 129-135	1.3	16
199	Tracing Urban Wastewater Contaminants into the Atlantic Ocean by Nontarget Screening. *Environmental Science & Technology*, **2020**, 54, 3996-4005	10.3	21
198	Biotransformation Changes Bioaccumulation and Toxicity of Diclofenac in Aquatic Organisms. *Environmental Science & Technology*, **2020**, 54, 4400-4408	10.3	47
197	Coupling River Concentration Simulations with a Toxicokinetic Model Effectively Predicts the Internal Concentrations of Wastewater-Derived Micropollutants in Field Gammarids. *Environmental Science & Technology*, **2020**, 54, 1710-1719	10.3	4
196	Retrospective screening of high-resolution mass spectrometry archived digital samples can improve environmental risk assessment of emerging contaminants: A case study on antifungal azoles. *Environment International*, **2020**, 139, 105708	12.9	12
195	Biotransformation study of antidepressant sertraline and its removal during biological wastewater treatment. *Water Research*, **2020**, 181, 115864	12.5	27
194	Natural estrogens in surface waters of a catchment with intensive livestock farming in Switzerland. *Environmental Sciences: Processes and Impacts*, **2020**, 22, 2244-2255	4.3	2
193	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	4.2	10
192	Wide-scope target screening of >2000 emerging contaminants in wastewater samples with UPLC-Q-ToF-HRMS/MS and smart evaluation of its performance through the validation of 195 selected representative analytes. *Journal of Hazardous Materials*, **2020**, 387, 121712	12.8	72
191	Improving Risk Assessment by Predicting the Survival of Field Gammarids Exposed to Dynamic Pesticide Mixtures. *Environmental Science & Technology*, **2020**, 54, 12383-12392	10.3	4
190	Assessment of the breakthrough of micropollutants in full-scale granular activated carbon adsorbers by rapid small-scale column tests and a novel pilot-scale sampling approach. *Environmental Science: Water Research and Technology*, **2020**, 6, 2742-2751	4.2	6
189	Comparison of Alternative Methods for Bioaccumulation Assessment: Scope and Limitations of In Vitro Depletion Assays with Rainbow Trout and Bioconcentration Tests in the Freshwater Amphipod Hyalella azteca. *Environmental Toxicology and Chemistry*, **2020**, 39, 1813-1825	3.8	4
188	Tolerance Patterns in Stream Biofilms Link Complex Chemical Pollution to Ecological Impacts. *Environmental Science & Technology*, **2020**, 54, 10745-10753	10.3	7
187	Bacterial Diversity Controls Transformation of Wastewater-Derived Organic Contaminants in River-Simulating Flumes. *Environmental Science & Technology*, **2020**, 54, 5467-5479	10.3	20
186	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,	5	82

185	High resolution mass spectrometry-based non-target screening can support regulatory environmental monitoring and chemicals management. *Environmental Sciences Europe*, **2019**, 31,	5	50
184	Let us empower the WFD to prevent risks of chemical pollution in European rivers and lakes. *Environmental Sciences Europe*, **2019**, 31,	5	10
183	New relevant pesticide transformation products in groundwater detected using target and suspect screening for agricultural and urban micropollutants with LC-HRMS. *Water Research*, **2019**, 165, 114972	12.5	69
182	In vitro biotransformation of pharmaceuticals and pesticides by trout liver S9 in the presence and absence of carbamazepine. *Ecotoxicology and Environmental Safety*, **2019**, 183, 109513	7	9
181	Supporting non-target identification by adding hydrogen deuterium exchange MS/MS capabilities to MetFrag. *Analytical and Bioanalytical Chemistry*, **2019**, 411, 4683-4700	4.4	9
180	Development and application of relevance and reliability criteria for water treatment removal efficiencies of chemicals of emerging concern. *Water Research*, **2019**, 161, 274-287	12.5	17
179	Nontarget Screening Reveals Time Trends of Polar Micropollutants in a Riverbank Filtration System. *Environmental Science & Technology*, **2019**, 53, 7584-7594	10.3	40
178	Picogram per liter quantification of pyrethroid and organophosphate insecticides in surface waters: a result of large enrichment with liquid-liquid extraction and gas chromatography coupled to mass spectrometry using atmospheric pressure chemical ionization. *Analytical and Bioanalytical*	4.4	16
177	Vacuum-assisted evaporative concentration combined with LC-HRMS/MS for ultra-trace-level screening of organic micropollutants in environmental water samples. *Analytical and Bioanalytical Chemistry*, **2019**, 411, 2555-2567	4.4	26
176	Imidacloprid induces adverse effects on fish early life stages that are more severe in Japanese medaka (Oryzias latipes) than in zebrafish (Danio rerio). *Chemosphere*, **2019**, 225, 470-478	8.4	43
175	Biodiversity Drives Micropollutant Biotransformation in Freshwater Phytoplankton Assemblages. *Environmental Science & Technology*, **2019**, 53, 4265-4273	10.3	8
174	Passive sampling of organic contaminants across the water-sediment interface of an urban stream. *Water Research*, **2019**, 165, 114966	12.5	17
173	Future water quality monitoring: improving the balance between exposure and toxicity assessments of real-world pollutant mixtures. *Environmental Sciences Europe*, **2019**, 31,	5	96
172	Suspect Screening of Hydrocarbon Surfactants in AFFFs and AFFF-Contaminated Groundwater by High-Resolution Mass Spectrometry. *Environmental Science & Technology*, **2019**, 53, 8068-8077	10.3	28
171	High-resolution mass spectrometry to complement monitoring and track emerging chemicals and pollution trends in European water resources. *Environmental Sciences Europe*, **2019**, 31,	5	42
170	Is the Hyporheic Zone Relevant beyond the Scientific Community?. *Water (Switzerland)*, **2019**, 11, 2230	3	51
169	Strengthen the European collaborative environmental research to meet European policy goals for achieving a sustainable, non-toxic environment. *Environmental Sciences Europe*, **2019**, 31,	5	5
168	Establish data infrastructure to compile and exchange environmental screening data on a European scale. *Environmental Sciences Europe*, **2019**, 31,	5	8

167	Exploring the solution space is key: SOLUTIONS recommends an early-stage assessment of options to protect and restore water quality against chemical pollution. *Environmental Sciences Europe*, **2019**, 31,	5	15
166	Using recirculating flumes and a response surface model to investigate the role of hyporheic exchange and bacterial diversity on micropollutant half-lives. *Environmental Sciences: Processes and Impacts*, **2019**, 21, 2093-2108	4.3	18
165	Untargeted time-pattern analysis of LC-HRMS data to detect spills and compounds with high fluctuation in influent wastewater. *Journal of Hazardous Materials*, **2019**, 361, 19-29	12.8	36
164	An integrative approach combining passive sampling, bioassays, and effect-directed analysis to assess the impact of wastewater effluent. *Environmental Toxicology and Chemistry*, **2018**, 37, 2079-2088	3.8	18
163	Exploring the Potential of a Global Emerging Contaminant Early Warning Network through the Use of Retrospective Suspect Screening with High-Resolution Mass Spectrometry. *Environmental Science & Technology*, **2018**, 52, 5135-5144	10.3	68
162	Solid-phase extraction as sample preparation of water samples for cell-based and other in vitro bioassays. *Environmental Sciences: Processes and Impacts*, **2018**, 20, 493-504	4.3	37
161	Emerging pollutants in the EU: 10 years of NORMAN in support of environmental policies and regulations. *Environmental Sciences Europe*, **2018**, 30, 5	5	104
160	Seasonal Dynamics of Glyphosate and AMPA in Lake Greifensee: Rapid Microbial Degradation in the Epilimnion During Summer. *Environmental Science & Technology*, **2018**, 52, 4641-4649	10.3	30
159	Spatiotemporal scales of river-groundwater interaction - The role of local interaction processes and regional groundwater regimes. *Science of the Total Environment*, **2018**, 618, 1224-1243	10.2	23
158	Aquatic exposures of chemical mixtures in urban environments: Approaches to impact assessment. *Environmental Toxicology and Chemistry*, **2018**, 37, 703-714	3.8	11
157	Internal Concentrations in Gammarids Reveal Increased Risk of Organic Micropollutants in Wastewater-Impacted Streams. *Environmental Science & Technology*, **2018**, 52, 10347-10358	10.3	26
156	Annotating Nontargeted LC-HRMS/MS Data with Two Complementary Tandem Mass Spectral Libraries. *Metabolites*, **2018**, 9,	5.6	15
155	Verteilung anthropogen eingetragener Stoffe im Grundwasser: Ein Fallbeispiel aus der Nordschweiz. *Grundwasser*, **2018**, 23, 297-309	1.1	3
154	Bioaccumulation, Biotransformation, and Synergistic Effects of Binary Fungicide Mixtures in Hyalella azteca and Gammarus pulex: How Different/Similar are the Two Species?. *Environmental Science & Technology*, **2018**, 52, 13491-13500	10.3	11
153	Comprehensive micropollutant screening using LC-HRMS/MS at three riverbank filtration sites to assess natural attenuation and potential implications for human health. *Water Research X*, **2018**, 1, 100007	8.1	30
152	Non-target screening to trace ozonation transformation products in a wastewater treatment train including different post-treatments. *Water Research*, **2018**, 142, 267-278	12.5	58
151	Comprehensive Toxic Plants-Phytotoxins Database and Its Application in Assessing Aquatic Micropollution Potential. *Journal of Agricultural and Food Chemistry*, **2018**, 66, 7577-7588	5.7	44
150	Micropollutant-induced tolerance of in situ periphyton: Establishing causality in wastewater-impacted streams. *Water Research*, **2017**, 111, 185-194	12.5	30

149	Effect of operational and water quality parameters on conventional ozonation and the advanced oxidation process O/HO: Kinetics of micropollutant abatement, transformation product and bromate formation in a surface water. *Water Research*, **2017**, 122, 234-245	12.5	100
148	European demonstration program on the effect-based and chemical identification and monitoring of organic pollutants in European surface waters. *Science of the Total Environment*, **2017**, 601-602, 1849-1868	10.2	106
147	Estimating the spatial distribution of artificial groundwater recharge using multiple tracers. *Isotopes in Environmental and Health Studies*, **2017**, 53, 484-499	1.5	13
146	Exploring micropollutant biotransformation in three freshwater phytoplankton species. *Environmental Sciences: Processes and Impacts*, **2017**, 19, 822-832	4.3	22
145	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. *Science of the Total Environment*, **2017**, 581-582, 350-358	10.2	42
144	Unravelling Contaminants in the Anthropocene Using Statistical Analysis of Liquid Chromatography-High-Resolution Mass Spectrometry Nontarget Screening Data Recorded in Lake Sediments. *Environmental Science & Technology*, **2017**, 51, 12547-12556	10.3	43
143	Similarity of High-Resolution Tandem Mass Spectrometry Spectra of Structurally Related Micropollutants and Transformation Products. *Journal of the American Society for Mass Spectrometry*, **2017**, 28, 2692-2704	3.5	36
142	Long-Term Persistence of Pesticides and TPs in Archived Agricultural Soil Samples and Comparison with Pesticide Application. *Environmental Science & Technology*, **2017**, 51, 10642-10651	10.3	58
141	Mechanistic Understanding of the Synergistic Potential of Azole Fungicides in the Aquatic Invertebrate Gammarus pulex. *Environmental Science & Technology*, **2017**, 51, 12784-12795	10.3	28
140	Nontarget Screening with High Resolution Mass Spectrometry in the Environment: Ready to Go?. *Environmental Science & Technology*, **2017**, 51, 11505-11512	10.3	306
139	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	10.2	108
138	Pesticides drive risk of micropollutants in wastewater-impacted streams during low flow conditions. *Water Research*, **2017**, 110, 366-377	12.5	108
137	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	10.2	196
136	Elucidation of biotransformation of diclofenac and 4'hydroxydiclofenac during biological wastewater treatment. *Journal of Hazardous Materials*, **2016**, 301, 443-52	12.8	56
135	MetFrag relaunched: incorporating strategies beyond in silico fragmentation. *Journal of Cheminformatics*, **2016**, 8, 3	8.6	439
134	How Biotransformation Influences Toxicokinetics of Azole Fungicides in the Aquatic Invertebrate Gammarus pulex. *Environmental Science & Technology*, **2016**, 50, 7175-88	10.3	34
133	Rapid evolutionary loss of metal resistance revealed by hatching decades-old eggs. *Evolution; International Journal of Organic Evolution*, **2016**, 70, 398-407	3.8	18
132	Microvolume trace environmental analysis using peak-focusing online solid-phase extraction-nano-liquid chromatography-high-resolution mass spectrometry. *Analytical and Bioanalytical Chemistry*, **2016**, 408, 1879-90	4.4	15

131	Oxidation of cetirizine, fexofenadine and hydrochlorothiazide during ozonation: Kinetics and formation of transformation products. *Water Research*, **2016**, 94, 350-362	12.5	59
130	Effect-directed analysis supporting monitoring of aquatic environments--An in-depth overview. *Science of the Total Environment*, **2016**, 544, 1073-118	10.2	222
129	Statistical Approaches for LC-HRMS Data To Characterize, Prioritize, and Identify Transformation Products from Water Treatment Processes. *ACS Symposium Series*, **2016**, 45-65	0.4	5
128	Targeted and non-targeted liquid chromatography-mass spectrometric workflows for identification of transformation products of emerging pollutants in the aquatic environment. *TrAC - Trends in Analytical Chemistry*, **2015**, 66, 32-44	14.6	201
127	GC□GC Quantification of Priority and Emerging Nonpolar Halogenated Micropollutants in All Types of Wastewater Matrices: Analysis Methodology, Chemical Occurrence, and Partitioning. *Environmental Science & Technology*, **2015**, 49, 7914-25	10.3	21
126	Retention projection enables accurate calculation of liquid chromatographic retention times across labs and methods. *Journal of Chromatography A*, **2015**, 1412, 43-51	4.5	37
125	Non-target screening with high-resolution mass spectrometry: critical review using a collaborative trial on water analysis. *Analytical and Bioanalytical Chemistry*, **2015**, 407, 6237-55	4.4	358
124	Extended Suspect and Non-Target Strategies to Characterize Emerging Polar Organic Contaminants in Raw Wastewater with LC-HRMS/MS. *Environmental Science & Technology*, **2015**, 49, 12333-41	10.3	194
123	Accelerated isotope fine structure calculation using pruned transition trees. *Analytical Chemistry*, **2015**, 87, 5738-44	7.8	102
122	Prioritizing Unknown Transformation Products from Biologically-Treated Wastewater Using High-Resolution Mass Spectrometry, Multivariate Statistics, and Metabolic Logic. *Analytical Chemistry*, **2015**, 87, 12121-9	7.8	70
121	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	10.2	149
120	Micropollutant removal from wastewater: facts and decision-making despite uncertainty. *Environmental Science & Technology*, **2015**, 49, 6374-5	10.3	19
119	Evaluation of in-situ calibration of Chemcatcher passive samplers for 322 micropollutants in agricultural and urban affected rivers. *Water Research*, **2015**, 71, 306-17	12.5	86
118	Future water quality monitoring--adapting tools to deal with mixtures of pollutants in water resource management. *Science of the Total Environment*, **2015**, 512-513, 540-551	10.2	198
117	A mixture of environmental organic contaminants in lake sediments affects hatching from Daphnia resting eggs. *Environmental Toxicology and Chemistry*, **2015**, 34, 338-45	3.8	8
116	Biotransformation of benzotriazoles: insights from transformation product identification and compound-specific isotope analysis. *Environmental Science & Technology*, **2014**, 48, 4435-43	10.3	85
115	Strategies to characterize polar organic contamination in wastewater: exploring the capability of high resolution mass spectrometry. *Environmental Science & Technology*, **2014**, 48, 1811-8	10.3	266
114	Reducing the discharge of micropollutants in the aquatic environment: the benefits of upgrading wastewater treatment plants. *Environmental Science & Technology*, **2014**, 48, 7683-9	10.3	344

113	How a complete pesticide screening changes the assessment of surface water quality. *Environmental Science & Technology*, **2014**, 48, 5423-32	10.3	244
112	Identifying small molecules via high resolution mass spectrometry: communicating confidence. *Environmental Science & Technology*, **2014**, 48, 2097-8	10.3	1295
111	Aqueous and dietary bioaccumulation of antibiotic tetracycline in D. magna and its multigenerational transfer. *Journal of Hazardous Materials*, **2014**, 279, 428-35	12.8	43
110	Slow biotransformation of carbon nanotubes by horseradish peroxidase. *Environmental Science & Technology*, **2014**, 48, 4826-34	10.3	64
109	Cytotoxic effects of pentachlorophenol (PCP) and its metabolite tetrachlorohydroquinone (TCHQ) on liver cells are modulated by antioxidants. *Cell Biology and Toxicology*, **2014**, 30, 233-52	7.4	16
108	Nonextractable residue formation of sulfonamide antimicrobials: new insights from soil incubation experiments. *Chemosphere*, **2014**, 107, 366-372	8.4	14
107	Biodegradation of the X-ray contrast agent iopromide and the fluoroquinolone antibiotic ofloxacin by the white rot fungus Trametes versicolor in hospital wastewaters and identification of degradation products. *Water Research*, **2014**, 60, 228-241	12.5	76
106	Morphological, hydrological, biogeochemical and ecological changes and challenges in river restoration – the Thur River case study. *Hydrology and Earth System Sciences*, **2014**, 18, 2449-2462	5.5	35
105	Picogram per liter detections of pyrethroids and organophosphates in surface waters using passive sampling. *Water Research*, **2014**, 66, 411-422	12.5	38
104	Exploring the Behaviour of Emerging Contaminants in the Water Cycle using the Capabilities of High Resolution Mass Spectrometry. *Chimia*, **2014**, 68, 793-8	1.3	10
103	Uptake, elimination, and biotransformation of 17α-ethinylestradiol by the freshwater alga Desmodesmus subspicatus. *Environmental Science & Technology*, **2014**, 48, 12354-61	10.3	69
102	Suspect and nontarget screening approaches to identify organic contaminant records in lake sediments. *Analytical and Bioanalytical Chemistry*, **2014**, 406, 7323-35	4.4	75
101	Bioconcentration of organic contaminants in Daphnia resting eggs. *Environmental Science & Technology*, **2013**, 47, 10667-75	10.3	7
100	Compound-specific isotope analysis of benzotriazole and its derivatives. *Analytical and Bioanalytical Chemistry*, **2013**, 405, 2843-56	4.4	31
99	Micropollutant removal by attached and suspended growth in a hybrid biofilm-activated sludge process. *Water Research*, **2013**, 47, 4498-506	12.5	118
98	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. *Environmental Sciences Europe*, **2013**, 25,	5	12
97	Removal of highly polar micropollutants from wastewater by powdered activated carbon. *Environmental Science and Pollution Research*, **2013**, 20, 3607-15	5.1	86
96	Degradation of polar organic micropollutants during riverbank filtration: complementary results from spatiotemporal sampling and push-pull tests. *Environmental Science & Technology*, **2013**, 47, 11512-21	10.3	50

95	Alleviating the reference standard dilemma using a systematic exact mass suspect screening approach with liquid chromatography-high resolution mass spectrometry. *Analytical Chemistry*, **2013**, 85, 10312-20	7.8	123
94	Characterization of acetylcholinesterase inhibition and energy allocation in Daphnia magna exposed to carbaryl. *Ecotoxicology and Environmental Safety*, **2013**, 98, 28-35	7	30
93	Automatic recalibration and processing of tandem mass spectra using formula annotation. *Journal of Mass Spectrometry*, **2013**, 48, 89-99	2.2	67
92	Biotransformation pathways of biocides and pharmaceuticals in freshwater crustaceans based on structure elucidation of metabolites using high resolution mass spectrometry. *Chemical Research in Toxicology*, **2013**, 26, 313-24	4	47
91	Covalent binding of sulfamethazine to natural and synthetic humic acids: assessing laccase catalysis and covalent bond stability. *Environmental Science & Technology*, **2013**, 47, 6916-24	10.3	49
90	Comparative toxicokinetics of organic micropollutants in freshwater crustaceans. *Environmental Science & Technology*, **2013**, 47, 8809-17	10.3	12
89	Uptake and release kinetics of 22 polar organic chemicals in the Chemcatcher passive sampler. *Analytical and Bioanalytical Chemistry*, **2013**, 405, 5225-36	4.4	44
88	Response to comment of Sierra Rayne on "Targeting aquatic microcontaminants for monitoring: exposure categorization and application to the Swiss situation [GEtz et al., Environ Sci Pollut Res (2010) 17:341-354]". *Environmental Science and Pollution Research*, **2013**, 20, 6678-80	5.1	
87	Identification and dynamic modeling of biomarkers for bacterial uptake and effect of sulfonamide antimicrobials. *Environmental Pollution*, **2013**, 172, 208-15	9.3	6
86	Screening of lake sediments for emerging contaminants by liquid chromatography atmospheric pressure photoionization and electrospray ionization coupled to high resolution mass spectrometry. *Environmental Science & Technology*, **2013**, 47, 976-86	10.3	110
85	Multi-level approach for the integrated assessment of polar organic micropollutants in an international lake catchment: the example of Lake Constance. *Environmental Science & Technology*, **2013**, 47, 7028-36	10.3	36
84	Reactions of a sulfonamide antimicrobial with model humic constituents: assessing pathways and stability of covalent bonding. *Environmental Science & Technology*, **2012**, 46, 2102-11	10.3	39
83	Significance of xenobiotic metabolism for bioaccumulation kinetics of organic chemicals in Gammarus pulex. *Environmental Science & Technology*, **2012**, 46, 3498-508	10.3	70
82	Multiresidue analysis of 88 polar organic micropollutants in ground, surface and wastewater using online mixed-bed multilayer solid-phase extraction coupled to high performance liquid chromatography-tandem mass spectrometry. *Journal of Chromatography A*, **2012**, 1268, 74-83	4.5	167
81	Transfer kinetics of polar organic compounds over polyethersulfone membranes in the passive samplers POCIS and Chemcatcher. *Environmental Science & Technology*, **2012**, 46, 6759-66	10.3	101
80	Toxicokinetic and toxicodynamic model for diazinon toxicity--mechanistic explanation of differences in the sensitivity of Daphnia magna and Gammarus pulex. *Environmental Toxicology and Chemistry*, **2012**, 31, 2014-22	3.8	21
79	Removal of micropollutants in municipal wastewater treatment plants by powder-activated carbon. *Water Science and Technology*, **2012**, 66, 2115-21	2.2	180
78	Metabolites indicate hot spots of biodegradation and biogeochemical gradients in a high-resolution monitoring well. *Environmental Science & Technology*, **2011**, 45, 474-81	10.3	48

77	Kinetic assessment and modeling of an ozonation step for full-scale municipal wastewater treatment: micropollutant oxidation, by-product formation and disinfection. *Water Research*, **2011**, 45, 605-17	12.5	221
76	Unusual polar metabolites in the groundwater of a contaminated waste site indicate a new pathway of mononitrotoluene transformation. *Chemosphere*, **2011**, 84, 1650-7	8.4	4
75	Assessing exposure to transformation products of soil-applied organic contaminants in surface water: comparison of model predictions and field data. *Environmental Science & Technology*, **2011**, 45, 2833-41	10.3	26
74	Mechanistic toxicodynamic model for receptor-mediated toxicity of diazoxon, the active metabolite of diazinon, in Daphnia magna. *Environmental Science & Technology*, **2011**, 45, 4980-7	10.3	20
73	Toxicokinetic model describing bioconcentration and biotransformation of diazinon in Daphnia magna. *Environmental Science & Technology*, **2011**, 45, 4995-5002	10.3	31
72	High-throughput identification of microbial transformation products of organic micropollutants. *Environmental Science & Technology*, **2010**, 44, 6621-7	10.3	207
71	Structure-based interpretation of biotransformation pathways of amide-containing compounds in sludge-seeded bioreactors. *Environmental Science & Technology*, **2010**, 44, 6628-35	10.3	80
70	Assessing the fate of nitrosamine precursors in wastewater treatment by physicochemical fractionation. *Environmental Science & Technology*, **2010**, 44, 7871-7	10.3	50
69	A tiered procedure for assessing the formation of biotransformation products of pharmaceuticals and biocides during activated sludge treatment. *Journal of Environmental Monitoring*, **2010**, 12, 2100-11		104
68	LC-high resolution MS in environmental analysis: from target screening to the identification of unknowns. *Analytical and Bioanalytical Chemistry*, **2010**, 397, 943-51	4.4	523
67	Targeting aquatic microcontaminants for monitoring: exposure categorization and application to the Swiss situation. *Environmental Science and Pollution Research*, **2010**, 17, 341-54	5.1	54
66	Phytotoxicity of atrazine, isoproturon, and diuron to submersed macrophytes in outdoor mesocosms. *Environmental Pollution*, **2010**, 158, 167-74	9.3	42
65	Anaerobic testosterone degradation in Steroidobacter denitrificans--identification of transformation products. *Environmental Pollution*, **2010**, 158, 2572-81	9.3	48
64	Determination of biocides and pesticides by on-line solid phase extraction coupled with mass spectrometry and their behaviour in wastewater and surface water. *Environmental Pollution*, **2010**, 158, 3054-64	9.3	150
63	Carbon and hydrogen isotope fractionation during anaerobic quinoline degradation. *Chemosphere*, **2010**, 81, 400-7	8.4	14
62	Linking toxicity in algal and bacterial assays with chemical analysis in passive samplers deployed in 21 treated sewage effluents. *Environmental Toxicology and Chemistry*, **2010**, 29, 2575-82	3.8	35
61	The Challenge of the Identification and Quantification of Transformation Products in the Aquatic Environment Using High Resolution Mass Spectrometry. *Environmental Pollution*, **2010**, 195-211	0	6
60	Cytochrome P450-catalysed arene-epoxidation of the bioactive tea tree oil ingredient p-cymene: indication for the formation of a reactive allergenic intermediate?. *Xenobiotica*, **2009**, 39, 663-71	2	9

59	Challenge of high polarity and low concentrations in analysis of cytostatics and metabolites in wastewater by hydrophilic interaction chromatography/tandem mass spectrometry. *Journal of Chromatography A*, **2009**, 1216, 1100-8	4.5	95
58	Elimination of organic micropollutants in a municipal wastewater treatment plant upgraded with a full-scale post-ozonation followed by sand filtration. *Environmental Science & Technology*, **2009** , 43, 7862-9	10.3	622
57	Effects of photosystem II inhibitors and their mixture on freshwater phytoplankton succession in outdoor mesocosms. *Environmental Toxicology and Chemistry*, **2009**, 28, 836-45	3.8	33
56	Mass flows of X-ray contrast media and cytostatics in hospital wastewater. *Environmental Science & Technology*, **2009**, 43, 4810-7	10.3	107
55	Model-based evaluation of reduction strategies for micropollutants from wastewater treatment plants in complex river networks. *Environmental Science & Technology*, **2009**, 43, 3214-20	10.3	108
54	Ecotoxicity of quinoline and hydroxylated derivatives and their occurrence in groundwater of a tar-contaminated field site. *Ecotoxicology and Environmental Safety*, **2009**, 72, 819-27	7	39
53	Occurrence and composition of extracellular lipids and polysaccharides in a full-scale membrane bioreactor. *Water Research*, **2009**, 43, 97-106	12.5	42
52	Passive sampling combined with ecotoxicological and chemical analysis of pharmaceuticals and biocides - evaluation of three Chemcatcher configurations. *Water Research*, **2009**, 43, 903-14	12.5	96
51	Occurrence and removal of N-nitrosamines in wastewater treatment plants. *Water Research*, **2009**, 43, 4381-91	12.5	114
50	Identification of transformation products of organic contaminants in natural waters by computer-aided prediction and high-resolution mass spectrometry. *Environmental Science & Technology*, **2009**, 43, 7039-46	10.3	236
49	Removal of Selected Organic Micropollutants from WWTP Effluent with Powdered Activated Carbon and Retention by Nanofiltration **2009**, 161-178		0
48	Correlation of EPS content in activated sludge at different sludge retention times with membrane fouling phenomena. *Water Research*, **2008**, 42, 1475-88	12.5	170
47	Mixture toxicity of three photosystem II inhibitors (atrazine, isoproturon, and diuron) toward photosynthesis of freshwater phytoplankton studied in outdoor mesocosms. *Environmental Science & Technology*, **2008**, 42, 6424-30	10.3	67
46	Detection of methylquinoline transformation products in microcosm experiments and in tar oil contaminated groundwater using LC-NMR. *Chemosphere*, **2008**, 70, 2118-26	8.4	19
45	The role of hydrodynamics, matrix and sampling duration in passive sampling of polar compounds with Empore SDB-RPS disks. *Journal of Environmental Monitoring*, **2008**, 10, 119-28		47
44	Analysis of nitrosamines in wastewater: exploring the trace level quantification capabilities of a hybrid linear ion trap/orbitrap mass spectrometer. *Analytical Chemistry*, **2008**, 80, 834-42	7.8	102
43	Steroidobacter denitrificans gen. nov., sp. nov., a steroidal hormone-degrading gammaproteobacterium. *International Journal of Systematic and Evolutionary Microbiology*, **2008**, 58, 2215-23	2.2	141
42	Removal of endocrine disruptors and cytostatics from effluent by nanofiltration in combination with adsorption on powdered activated carbon. *Water Science and Technology*, **2008**, 58, 1699-706	2.2	17

41	Ultratrace-level determination of glyphosate, aminomethylphosphonic acid and glufosinate in natural waters by solid-phase extraction followed by liquid chromatography-tandem mass spectrometry: performance tuning of derivatization, enrichment and detection. *Analytical and Bioanalytical Chemistry*, **2008**, 391, 2265-76	4.4	126
40	Identifikation NSO-heterocyclischer Priorit□substanzen zur Erkundung und □erwachung Teer□kontaminierter Standorte. *Grundwasser*, **2008**, 13, 147-157	1.1	15
39	Sensitive determination of monoterpene alcohols in urine by HPLC-FLD combined with ESI-MS detection after online-solid phase extraction of the monoterpene-coumarincarbamate derivates. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2008**, 875, 444-50	3.2	17
38	Key objectives for water reuse concepts. *Desalination*, **2008**, 218, 120-131	10.3	62
37	Groundwater contaminations □the use of LC-NMR and LC-MS to characterize the scope of polar contaminants. *WIT Transactions on Ecology and the Environment*, **2008**,	1	2
36	Polar Organic Micropollutants In The Water Cycle **2008**, 103-116		14
35	Quinoline and derivatives at a tar oil contaminated site: hydroxylated products as indicator for natural attenuation?. *Environmental Science & Technology*, **2007**, 41, 5314-22	10.3	35
34	Contribution to the Detection and Identification of Oxidation Metabolites of Nonylphenol in Sphingomonas sp. strain TTNP3. *Biodegradation*, **2007**, 18, 233-45	4.1	13
33	Chemical composition of surgical smoke produced by electrocautery, harmonic scalpel and argon beaming □a short study. *European Surgery - Acta Chirurgica Austriaca*, **2007**, 39, 118-121	0.9	26
32	Polymeric compounds in activated sludge supernatant -- Characterisation and retention mechanisms at a full-scale municipal membrane bioreactor. *Water Research*, **2007**, 41, 3894-902	12.5	94
31	Behavior of two differently radiolabelled 17alpha-ethinylestradiols continuously applied to a laboratory-scale membrane bioreactor with adapted industrial activated sludge. *Water Research*, **2007**, 41, 4403-12	12.5	32
30	Study on the cytochrome P450-mediated oxidative metabolism of the terpene alcohol linalool: indication of biological epoxidation. *Xenobiotica*, **2007**, 37, 604-17	2	4
29	The degradation of alpha-quaternary nonylphenol isomers by Sphingomonas sp. strain TTNP3 involves a type II ipso-substitution mechanism. *Applied Microbiology and Biotechnology*, **2006**, 70, 114-22	5.7	52
28	Denitratisoma oestradiolicum gen. nov., sp. nov., a 17beta-oestradiol-degrading, denitrifying betaproteobacterium. *International Journal of Systematic and Evolutionary Microbiology*, **2006**, 56, 1547-1552	2.3	188
27	Wastewater reuse and risk: definition of key objectives. *Desalination*, **2006**, 187, 29-40	10.3	126
26	Human risk assessment of organic contaminants in reclaimed wastewater used for irrigation. *Desalination*, **2006**, 187, 53-64	10.3	74
25	□erwachung von NSO-Heterocyclen an Teer□kontaminierten Standorten. *Grundwasser*, **2006**, 11, 295-297	1.1	3
24	Metabolism of 1,8-cineole by human cytochrome P450 enzymes: identification of a new hydroxylated metabolite. *Biochimica Et Biophysica Acta - General Subjects*, **2005**, 1722, 304-11	4	31

23	Formation of volutin granules in Corynebacterium glutamicum. *FEMS Microbiology Letters*, **2005**, 243, 133-40	2.9	46
22	Simultaneous determination of NSO-heterocycles, homocycles and their metabolites in groundwater of tar oil contaminated sites using LC with diode array UV and fluorescence detection. *Journal of Chromatography A*, **2005**, 1065, 211-8	4.5	41
21	Degradation of estradiol and ethinyl estradiol by activated sludge and by a defined mixed culture. *Applied Microbiology and Biotechnology*, **2005**, 67, 106-12	5.7	93
20	Metabolism of a nonylphenol isomer by Sphingomonas sp. strain TTNP3. *Environmental Chemistry Letters*, **2005**, 2, 185-189	13.3	21
19	Metabolism of Delta(3)-carene by human cytochrome p450 enzymes: identification and characterization of two new metabolites. *Current Drug Metabolism*, **2005**, 6, 593-601	3.5	16
18	Degradation of a nonylphenol single isomer by Sphingomonas sp. strain TTNP3 leads to a hydroxylation-induced migration product. *Applied and Environmental Microbiology*, **2004**, 70, 6897-900	4.8	37
17	Microbial Degradation of Tar Oil Compounds under Different Redox Conditions. *Clean - Soil, Air, Water*, **2003**, 31, 204-212		8
16	Effect of sample preparation on the in vitro genotoxicity of a light curable glass ionomer cement. *Biomaterials*, **2003**, 24, 611-7	15.6	16
15	Efficiency of Different Methods and Solvents for the Extraction of Polycyclic Aromatic Hydrocarbons from Soils. *International Journal of Environmental Analytical Chemistry*, **2003**, 83, 21-32	1.8	43
14	Assessing the microbial activity of soil samples, its nutrient limitation and toxic effects of contaminants using a simple respiration test. *Chemosphere*, **2003**, 53, 269-75	8.4	42
13	Improved sample preparation of biomaterials for in vitro genotoxicity testing using reference materials. *Journal of Biomedical Materials Research Part B*, **2002**, 61, 83-90		6
12	Sensitive biomonitoring of monoterpene exposure by gas chromatographic-mass spectrometric measurement of hydroxy terpenes in urine. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2002**, 780, 225-30	3.2	7
11	Sensitive indoor air monitoring of monoterpenes using different adsorbents and thermal desorption gas chromatography with mass-selective detection. *Journal of Chromatography A*, **2002**, 962, 175-81	4.5	22
10	Effect of different carbon sources on the enhanced biological phosphorus removal in a sequencing batch reactor. *World Journal of Microbiology and Biotechnology*, **2002**, 18, 359-364	4.4	33
9	Sensitive indoor air monitoring of formaldehyde and other carbonyl compounds using the 2,4-dinitrophenylhydrazine method. *International Journal of Hygiene and Environmental Health*, **2001**, 203, 275-9	6.9	36
8	Microcosms-experiments to assess the potential for natural attenuation of contaminated groundwater. *Water Research*, **2001**, 35, 720-8	12.5	10
7	Biomonitoring of environmental polycyclic aromatic hydrocarbon exposure by simultaneous measurement of urinary phenanthrene, pyrene and benzo[a]pyrene hydroxides. *Biomedical Applications*, **2000**, 739, 225-9		44
6	Cooxidation of chloro- and methylphenols by Alcaligenes xylosoxidans JH1. *World Journal of Microbiology and Biotechnology*, **2000**, 16, 445-450	4.4	5

5	Combined modifier/in situ derivatization effects on supercritical fluid extraction of polycyclic aromatic hydrocarbons from soil. *Journal of Chromatography A*, **1998**, 811, 151-156	4.5	24
4	Effects of various binary and ternary supercritical phases on the extraction of polycyclic aromatic hydrocarbons from contaminated soils. *Journal of Chromatography A*, **1998**, 816, 201-211	4.5	13
3	Extraction of polycyclic aromatic hydrocarbons from polluted soils with binary and ternary supercritical phases. *Journal of Chromatography A*, **1997**, 776, 233-243	4.5	36
2	Regulation of chloro- and methylphenol degradation in Comamonas testosteroni JH5. *Applied and Environmental Microbiology*, **1994**, 60, 2330-8	4.8	35
1	Catalytic center of cyclodextrin glycosyltransferase derived from X-ray structure analysis combined with site-directed mutagenesis. *Biochemistry*, **1992**, 31, 8740-6	3.2	101