

Juliane Hollender

List of Publications by Citations

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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.

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	Identifying small molecules via high resolution mass spectrometry: communicating confidence. <i>Environmental Science & Technology</i> , 2014 , 48, 2097-8	10.3	1295
219	Elimination of organic micropollutants in a municipal wastewater treatment plant upgraded with a full-scale post-ozonation followed by sand filtration. <i>Environmental Science & Technology</i> , 2009 , 43, 7862-9	10.3	622
218	LC-high resolution MS in environmental analysis: from target screening to the identification of unknowns. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 397, 943-51	4.4	523
217	MetFrag relaunched: incorporating strategies beyond in silico fragmentation. <i>Journal of Cheminformatics</i> , 2016 , 8, 3	8.6	439
216	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	358
215	Reducing the discharge of micropollutants in the aquatic environment: the benefits of upgrading wastewater treatment plants. <i>Environmental Science & Technology</i> , 2014 , 48, 7683-9	10.3	344
214	Nontarget Screening with High Resolution Mass Spectrometry in the Environment: Ready to Go?. <i>Environmental Science & Technology</i> , 2017 , 51, 11505-11512	10.3	306
213	Strategies to characterize polar organic contamination in wastewater: exploring the capability of high resolution mass spectrometry. <i>Environmental Science & Technology</i> , 2014 , 48, 1811-8	10.3	266
212	How a complete pesticide screening changes the assessment of surface water quality. <i>Environmental Science & Technology</i> , 2014 , 48, 5423-32	10.3	244
211	Identification of transformation products of organic contaminants in natural waters by computer-aided prediction and high-resolution mass spectrometry. <i>Environmental Science & Technology</i> , 2009 , 43, 7039-46	10.3	236
210	Effect-directed analysis supporting monitoring of aquatic environments--An in-depth overview. <i>Science of the Total Environment</i> , 2016 , 544, 1073-118	10.2	222
209	Kinetic assessment and modeling of an ozonation step for full-scale municipal wastewater treatment: micropollutant oxidation, by-product formation and disinfection. <i>Water Research</i> , 2011 , 45, 605-17	12.5	221
208	High-throughput identification of microbial transformation products of organic micropollutants. <i>Environmental Science & Technology</i> , 2010 , 44, 6621-7	10.3	207
207	Targeted and non-targeted liquid chromatography-mass spectrometric workflows for identification of transformation products of emerging pollutants in the aquatic environment. <i>TrAC - Trends in Analytical Chemistry</i> , 2015 , 66, 32-44	14.6	201
206	Future water quality monitoring--adapting tools to deal with mixtures of pollutants in water resource management. <i>Science of the Total Environment</i> , 2015 , 512-513, 540-551	10.2	198
205	Towards the review of the European Union Water Framework Directive: Recommendations for more efficient assessment and management of chemical contamination in European surface water resources. <i>Science of the Total Environment</i> , 2017 , 576, 720-737	10.2	196
204	Extended Suspect and Non-Target Strategies to Characterize Emerging Polar Organic Contaminants in Raw Wastewater with LC-HRMS/MS. <i>Environmental Science & Technology</i> , 2015 , 49, 12333-41	10.3	194

203	Denitratisoma oestradiolicum gen. nov., sp. nov., a 17beta-oestradiol-degrading, denitrifying betaproteobacterium. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2006 , 56, 1547-1552	2.2	188
202	Removal of micropollutants in municipal wastewater treatment plants by powder-activated carbon. <i>Water Science and Technology</i> , 2012 , 66, 2115-21	2.2	180
201	Correlation of EPS content in activated sludge at different sludge retention times with membrane fouling phenomena. <i>Water Research</i> , 2008 , 42, 1475-88	12.5	170
200	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. <i>Journal of Chromatography A</i> , 2012 , 1268, 74-83	4.5	167
199	Determination of biocides and pesticides by on-line solid phase extraction coupled with mass spectrometry and their behaviour in wastewater and surface water. <i>Environmental Pollution</i> , 2010 , 158, 3054-64	9.3	150
198	The SOLUTIONS project: challenges and responses for present and future emerging pollutants in land and water resources management. <i>Science of the Total Environment</i> , 2015 , 503-504, 22-31	10.2	149
197	Steroidobacter denitrificans gen. nov., sp. nov., a steroidal hormone-degrading gammaproteobacterium. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2008 , 58, 2215-23	2.2	141
196	Ultrace-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. <i>Analytical and Bioanalytical Chemistry</i> , 2008 , 391, 2265-76	4.4	126
195	Wastewater reuse and risk: definition of key objectives. <i>Desalination</i> , 2006 , 187, 29-40	10.3	126
194	Alleviating the reference standard dilemma using a systematic exact mass suspect screening approach with liquid chromatography-high resolution mass spectrometry. <i>Analytical Chemistry</i> , 2013 , 85, 10312-20	7.8	123
193	Micropollutant removal by attached and suspended growth in a hybrid biofilm-activated sludge process. <i>Water Research</i> , 2013 , 47, 4498-506	12.5	118
192	Occurrence and removal of N-nitrosamines in wastewater treatment plants. <i>Water Research</i> , 2009 , 43, 4381-91	12.5	114
191	Screening of lake sediments for emerging contaminants by liquid chromatography atmospheric pressure photoionization and electrospray ionization coupled to high resolution mass spectrometry. <i>Environmental Science & Technology</i> , 2013 , 47, 976-86	10.3	110
190	Integrating chemical analysis and bioanalysis to evaluate the contribution of wastewater effluent on the micropollutant burden in small streams. <i>Science of the Total Environment</i> , 2017 , 576, 785-795	10.2	108
189	Pesticides drive risk of micropollutants in wastewater-impacted streams during low flow conditions. <i>Water Research</i> , 2017 , 110, 366-377	12.5	108
188	Model-based evaluation of reduction strategies for micropollutants from wastewater treatment plants in complex river networks. <i>Environmental Science & Technology</i> , 2009 , 43, 3214-20	10.3	108
187	Mass flows of X-ray contrast media and cytostatics in hospital wastewater. <i>Environmental Science & Technology</i> , 2009 , 43, 4810-7	10.3	107
186	European demonstration program on the effect-based and chemical identification and monitoring of organic pollutants in European surface waters. <i>Science of the Total Environment</i> , 2017 , 601-602, 1849-1868	10.2	106

185	Emerging pollutants in the EU: 10 years of NORMAN in support of environmental policies and regulations. <i>Environmental Sciences Europe</i> , 2018 , 30, 5	5	104
184	A tiered procedure for assessing the formation of biotransformation products of pharmaceuticals and biocides during activated sludge treatment. <i>Journal of Environmental Monitoring</i> , 2010 , 12, 2100-11		104
183	Accelerated isotope fine structure calculation using pruned transition trees. <i>Analytical Chemistry</i> , 2015 , 87, 5738-44	7.8	102
182	Analysis of nitrosamines in wastewater: exploring the trace level quantification capabilities of a hybrid linear ion trap/orbitrap mass spectrometer. <i>Analytical Chemistry</i> , 2008 , 80, 834-42	7.8	102
181	Transfer kinetics of polar organic compounds over polyethersulfone membranes in the passive samplers POCIS and Chemcatcher. <i>Environmental Science & Technology</i> , 2012 , 46, 6759-66	10.3	101
180	Catalytic center of cyclodextrin glycosyltransferase derived from X-ray structure analysis combined with site-directed mutagenesis. <i>Biochemistry</i> , 1992 , 31, 8740-6	3.2	101
179	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. <i>Water Research</i> , 2017 , 122, 234-245	12.5	100
178	Future water quality monitoring: improving the balance between exposure and toxicity assessments of real-world pollutant mixtures. <i>Environmental Sciences Europe</i> , 2019 , 31,	5	96
177	Passive sampling combined with ecotoxicological and chemical analysis of pharmaceuticals and biocides - evaluation of three Chemcatcher configurations. <i>Water Research</i> , 2009 , 43, 903-14	12.5	96
176	Challenge of high polarity and low concentrations in analysis of cytostatics and metabolites in wastewater by hydrophilic interaction chromatography/tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2009 , 1216, 1100-8	4.5	95
175	Polymeric compounds in activated sludge supernatant -- Characterisation and retention mechanisms at a full-scale municipal membrane bioreactor. <i>Water Research</i> , 2007 , 41, 3894-902	12.5	94
174	Degradation of estradiol and ethinyl estradiol by activated sludge and by a defined mixed culture. <i>Applied Microbiology and Biotechnology</i> , 2005 , 67, 106-12	5.7	93
173	Removal of highly polar micropollutants from wastewater by powdered activated carbon. <i>Environmental Science and Pollution Research</i> , 2013 , 20, 3607-15	5.1	86
172	Evaluation of in-situ calibration of Chemcatcher passive samplers for 322 micropollutants in agricultural and urban affected rivers. <i>Water Research</i> , 2015 , 71, 306-17	12.5	86
171	Biotransformation of benzotriazoles: insights from transformation product identification and compound-specific isotope analysis. <i>Environmental Science & Technology</i> , 2014 , 48, 4435-43	10.3	85
170	Effect-based methods are key. The European Collaborative Project SOLUTIONS recommends integrating effect-based methods for diagnosis and monitoring of water quality. <i>Environmental Sciences Europe</i> , 2019 , 31,	5	82
169	Structure-based interpretation of biotransformation pathways of amide-containing compounds in sludge-seeded bioreactors. <i>Environmental Science & Technology</i> , 2010 , 44, 6628-35	10.3	80
168	Biodegradation of the X-ray contrast agent iopromide and the fluoroquinolone antibiotic ofloxacin by the white rot fungus <i>Trametes versicolor</i> in hospital wastewaters and identification of degradation products. <i>Water Research</i> , 2014 , 60, 228-241	12.5	76

167	Suspect and nontarget screening approaches to identify organic contaminant records in lake sediments. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 7323-35	4.4	75
166	Human risk assessment of organic contaminants in reclaimed wastewater used for irrigation. <i>Desalination</i> , 2006 , 187, 53-64	10.3	74
165	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. <i>Journal of Hazardous Materials</i> , 2020 , 387, 121712	12.8	72
164	Prioritizing Unknown Transformation Products from Biologically-Treated Wastewater Using High-Resolution Mass Spectrometry, Multivariate Statistics, and Metabolic Logic. <i>Analytical Chemistry</i> , 2015 , 87, 12121-9	7.8	70
163	Significance of xenobiotic metabolism for bioaccumulation kinetics of organic chemicals in <i>Gammarus pulex</i> . <i>Environmental Science & Technology</i> , 2012 , 46, 3498-508	10.3	70
162	New relevant pesticide transformation products in groundwater detected using target and suspect screening for agricultural and urban micropollutants with LC-HRMS. <i>Water Research</i> , 2019 , 165, 114972	12.5	69
161	Uptake, elimination, and biotransformation of 17 β ethinylestradiol by the freshwater alga <i>Desmodesmus subspicatus</i> . <i>Environmental Science & Technology</i> , 2014 , 48, 12354-61	10.3	69
160	Exploring the Potential of a Global Emerging Contaminant Early Warning Network through the Use of Retrospective Suspect Screening with High-Resolution Mass Spectrometry. <i>Environmental Science & Technology</i> , 2018 , 52, 5135-5144	10.3	68
159	Automatic recalibration and processing of tandem mass spectra using formula annotation. <i>Journal of Mass Spectrometry</i> , 2013 , 48, 89-99	2.2	67
158	Mixture toxicity of three photosystem II inhibitors (atrazine, isoproturon, and diuron) toward photosynthesis of freshwater phytoplankton studied in outdoor mesocosms. <i>Environmental Science & Technology</i> , 2008 , 42, 6424-30	10.3	67
157	Slow biotransformation of carbon nanotubes by horseradish peroxidase. <i>Environmental Science & Technology</i> , 2014 , 48, 4826-34	10.3	64
156	Key objectives for water reuse concepts. <i>Desalination</i> , 2008 , 218, 120-131	10.3	62
155	Oxidation of cetirizine, fexofenadine and hydrochlorothiazide during ozonation: Kinetics and formation of transformation products. <i>Water Research</i> , 2016 , 94, 350-362	12.5	59
154	Long-Term Persistence of Pesticides and TPs in Archived Agricultural Soil Samples and Comparison with Pesticide Application. <i>Environmental Science & Technology</i> , 2017 , 51, 10642-10651	10.3	58
153	Non-target screening to trace ozonation transformation products in a wastewater treatment train including different post-treatments. <i>Water Research</i> , 2018 , 142, 267-278	12.5	58
152	Elucidation of biotransformation of diclofenac and 4'hydroxydiclofenac during biological wastewater treatment. <i>Journal of Hazardous Materials</i> , 2016 , 301, 443-52	12.8	56
151	Targeting aquatic microcontaminants for monitoring: exposure categorization and application to the Swiss situation. <i>Environmental Science and Pollution Research</i> , 2010 , 17, 341-54	5.1	54
150	The degradation of alpha-quaternary nonylphenol isomers by <i>Sphingomonas</i> sp. strain TTNP3 involves a type II ipso-substitution mechanism. <i>Applied Microbiology and Biotechnology</i> , 2006 , 70, 114-22	5.7	52

149	Is the Hyporheic Zone Relevant beyond the Scientific Community?. <i>Water (Switzerland)</i> , 2019 , 11, 2230	3	51
148	High resolution mass spectrometry-based non-target screening can support regulatory environmental monitoring and chemicals management. <i>Environmental Sciences Europe</i> , 2019 , 31,	5	50
147	Degradation of polar organic micropollutants during riverbank filtration: complementary results from spatiotemporal sampling and push-pull tests. <i>Environmental Science & Technology</i> , 2013 , 47, 11512-21	10.3	50
146	Assessing the fate of nitrosamine precursors in wastewater treatment by physicochemical fractionation. <i>Environmental Science & Technology</i> , 2010 , 44, 7871-7	10.3	50
145	Covalent binding of sulfamethazine to natural and synthetic humic acids: assessing laccase catalysis and covalent bond stability. <i>Environmental Science & Technology</i> , 2013 , 47, 6916-24	10.3	49
144	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
143	Anaerobic testosterone degradation in <i>Steroidobacter denitrificans</i> --identification of transformation products. <i>Environmental Pollution</i> , 2010 , 158, 2572-81	9.3	48
142	Biotransformation Changes Bioaccumulation and Toxicity of Diclofenac in Aquatic Organisms. <i>Environmental Science & Technology</i> , 2020 , 54, 4400-4408	10.3	47
141	Biotransformation pathways of biocides and pharmaceuticals in freshwater crustaceans based on structure elucidation of metabolites using high resolution mass spectrometry. <i>Chemical Research in Toxicology</i> , 2013 , 26, 313-24	4	47
140	The role of hydrodynamics, matrix and sampling duration in passive sampling of polar compounds with Empore SDB-RPS disks. <i>Journal of Environmental Monitoring</i> , 2008 , 10, 119-28		47
139	Formation of volutin granules in <i>Corynebacterium glutamicum</i> . <i>FEMS Microbiology Letters</i> , 2005 , 243, 133-40	2.9	46
138	Uptake and release kinetics of 22 polar organic chemicals in the Chemcatcher passive sampler. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 5225-36	4.4	44
137	Biomonitoring of environmental polycyclic aromatic hydrocarbon exposure by simultaneous measurement of urinary phenanthrene, pyrene and benzo[a]pyrene hydroxides. <i>Biomedical Applications</i> , 2000 , 739, 225-9		44
136	Comprehensive Toxic Plants-Phytotoxins Database and Its Application in Assessing Aquatic Micropollution Potential. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 7577-7588	5.7	44
135	Unravelling Contaminants in the Anthropocene Using Statistical Analysis of Liquid Chromatography-High-Resolution Mass Spectrometry Nontarget Screening Data Recorded in Lake Sediments. <i>Environmental Science & Technology</i> , 2017 , 51, 12547-12556	10.3	43
134	Imidacloprid induces adverse effects on fish early life stages that are more severe in Japanese medaka (<i>Oryzias latipes</i>) than in zebrafish (<i>Danio rerio</i>). <i>Chemosphere</i> , 2019 , 225, 470-478	8.4	43
133	Aqueous and dietary bioaccumulation of antibiotic tetracycline in <i>D. magna</i> and its multigenerational transfer. <i>Journal of Hazardous Materials</i> , 2014 , 279, 428-35	12.8	43
132	Efficiency of Different Methods and Solvents for the Extraction of Polycyclic Aromatic Hydrocarbons from Soils. <i>International Journal of Environmental Analytical Chemistry</i> , 2003 , 83, 21-32	1.8	43

131	Assessment of a novel device for onsite integrative large-volume solid phase extraction of water samples to enable a comprehensive chemical and effect-based analysis. <i>Science of the Total Environment</i> , 2017 , 581-582, 350-358	10.2	42
130	High-resolution mass spectrometry to complement monitoring and track emerging chemicals and pollution trends in European water resources. <i>Environmental Sciences Europe</i> , 2019 , 31,	5	42
129	Occurrence and composition of extracellular lipids and polysaccharides in a full-scale membrane bioreactor. <i>Water Research</i> , 2009 , 43, 97-106	12.5	42
128	Phytotoxicity of atrazine, isoproturon, and diuron to submersed macrophytes in outdoor mesocosms. <i>Environmental Pollution</i> , 2010 , 158, 167-74	9.3	42
127	Assessing the microbial activity of soil samples, its nutrient limitation and toxic effects of contaminants using a simple respiration test. <i>Chemosphere</i> , 2003 , 53, 269-75	8.4	42
126	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. <i>Journal of Chromatography A</i> , 2005 , 1065, 211-8	4.5	41
125	Nontarget Screening Reveals Time Trends of Polar Micropollutants in a Riverbank Filtration System. <i>Environmental Science & Technology</i> , 2019 , 53, 7584-7594	10.3	40
124	Reactions of a sulfonamide antimicrobial with model humic constituents: assessing pathways and stability of covalent bonding. <i>Environmental Science & Technology</i> , 2012 , 46, 2102-11	10.3	39
123	Ecotoxicity of quinoline and hydroxylated derivatives and their occurrence in groundwater of a tar-contaminated field site. <i>Ecotoxicology and Environmental Safety</i> , 2009 , 72, 819-27	7	39
122	Picogram per liter detections of pyrethroids and organophosphates in surface waters using passive sampling. <i>Water Research</i> , 2014 , 66, 411-422	12.5	38
121	Retention projection enables accurate calculation of liquid chromatographic retention times across labs and methods. <i>Journal of Chromatography A</i> , 2015 , 1412, 43-51	4.5	37
120	Solid-phase extraction as sample preparation of water samples for cell-based and other in vitro bioassays. <i>Environmental Sciences: Processes and Impacts</i> , 2018 , 20, 493-504	4.3	37
119	Degradation of a nonylphenol single isomer by <i>Sphingomonas</i> sp. strain TTNP3 leads to a hydroxylation-induced migration product. <i>Applied and Environmental Microbiology</i> , 2004 , 70, 6897-900	4.8	37
118	Similarity of High-Resolution Tandem Mass Spectrometry Spectra of Structurally Related Micropollutants and Transformation Products. <i>Journal of the American Society for Mass Spectrometry</i> , 2017 , 28, 2692-2704	3.5	36
117	Multi-level approach for the integrated assessment of polar organic micropollutants in an international lake catchment: the example of Lake Constance. <i>Environmental Science & Technology</i> , 2013 , 47, 7028-36	10.3	36
116	Extraction of polycyclic aromatic hydrocarbons from polluted soils with binary and ternary supercritical phases. <i>Journal of Chromatography A</i> , 1997 , 776, 233-243	4.5	36
115	Sensitive indoor air monitoring of formaldehyde and other carbonyl compounds using the 2,4-dinitrophenylhydrazine method. <i>International Journal of Hygiene and Environmental Health</i> , 2001 , 203, 275-9	6.9	36
114	Untargeted time-pattern analysis of LC-HRMS data to detect spills and compounds with high fluctuation in influent wastewater. <i>Journal of Hazardous Materials</i> , 2019 , 361, 19-29	12.8	36

113	Morphological, hydrological, biogeochemical and ecological changes and challenges in river restoration [The Thur River case study. <i>Hydrology and Earth System Sciences</i> , 2014 , 18, 2449-2462	5.5	35
112	Linking toxicity in algal and bacterial assays with chemical analysis in passive samplers deployed in 21 treated sewage effluents. <i>Environmental Toxicology and Chemistry</i> , 2010 , 29, 2575-82	3.8	35
111	Quinoline and derivatives at a tar oil contaminated site: hydroxylated products as indicator for natural attenuation?. <i>Environmental Science & Technology</i> , 2007 , 41, 5314-22	10.3	35
110	Regulation of chloro- and methylphenol degradation in <i>Comamonas testosteroni</i> JH5. <i>Applied and Environmental Microbiology</i> , 1994 , 60, 2330-8	4.8	35
109	How Biotransformation Influences Toxicokinetics of Azole Fungicides in the Aquatic Invertebrate <i>Gammarus pulex</i> . <i>Environmental Science & Technology</i> , 2016 , 50, 7175-88	10.3	34
108	Effects of photosystem II inhibitors and their mixture on freshwater phytoplankton succession in outdoor mesocosms. <i>Environmental Toxicology and Chemistry</i> , 2009 , 28, 836-45	3.8	33
107	Effect of different carbon sources on the enhanced biological phosphorus removal in a sequencing batch reactor. <i>World Journal of Microbiology and Biotechnology</i> , 2002 , 18, 359-364	4.4	33
106	Behavior of two differently radiolabelled 17alpha-ethinylestradiols continuously applied to a laboratory-scale membrane bioreactor with adapted industrial activated sludge. <i>Water Research</i> , 2007 , 41, 4403-12	12.5	32
105	Compound-specific isotope analysis of benzotriazole and its derivatives. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 2843-56	4.4	31
104	Toxicokinetic model describing bioconcentration and biotransformation of diazinon in <i>Daphnia magna</i> . <i>Environmental Science & Technology</i> , 2011 , 45, 4995-5002	10.3	31
103	Metabolism of 1,8-cineole by human cytochrome P450 enzymes: identification of a new hydroxylated metabolite. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2005 , 1722, 304-11	4	31
102	Micropollutant-induced tolerance of in situ periphyton: Establishing causality in wastewater-impacted streams. <i>Water Research</i> , 2017 , 111, 185-194	12.5	30
101	Seasonal Dynamics of Glyphosate and AMPA in Lake Greifensee: Rapid Microbial Degradation in the Epilimnion During Summer. <i>Environmental Science & Technology</i> , 2018 , 52, 4641-4649	10.3	30
100	Characterization of acetylcholinesterase inhibition and energy allocation in <i>Daphnia magna</i> exposed to carbaryl. <i>Ecotoxicology and Environmental Safety</i> , 2013 , 98, 28-35	7	30
99	Comprehensive micropollutant screening using LC-HRMS/MS at three riverbank filtration sites to assess natural attenuation and potential implications for human health. <i>Water Research X</i> , 2018 , 1, 100007	8.1	30
98	Suspect Screening of Hydrocarbon Surfactants in AFFFs and AFFF-Contaminated Groundwater by High-Resolution Mass Spectrometry. <i>Environmental Science & Technology</i> , 2019 , 53, 8068-8077	10.3	28
97	Mechanistic Understanding of the Synergistic Potential of Azole Fungicides in the Aquatic Invertebrate <i>Gammarus pulex</i> . <i>Environmental Science & Technology</i> , 2017 , 51, 12784-12795	10.3	28
96	Biotransformation study of antidepressant sertraline and its removal during biological wastewater treatment. <i>Water Research</i> , 2020 , 181, 115864	12.5	27

95	Vacuum-assisted evaporative concentration combined with LC-HRMS/MS for ultra-trace-level screening of organic micropollutants in environmental water samples. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 2555-2567	4.4	26
94	Internal Concentrations in Gammarids Reveal Increased Risk of Organic Micropollutants in Wastewater-Impacted Streams. <i>Environmental Science & Technology</i> , 2018 , 52, 10347-10358	10.3	26
93	Assessing exposure to transformation products of soil-applied organic contaminants in surface water: comparison of model predictions and field data. <i>Environmental Science & Technology</i> , 2011 , 45, 2833-41	10.3	26
92	Chemical composition of surgical smoke produced by electrocautery, harmonic scalpel and argon beaming in a short study. <i>European Surgery - Acta Chirurgica Austriaca</i> , 2007 , 39, 118-121	0.9	26
91	Combined modifier/in situ derivatization effects on supercritical fluid extraction of polycyclic aromatic hydrocarbons from soil. <i>Journal of Chromatography A</i> , 1998 , 811, 151-156	4.5	24
90	Spatiotemporal scales of river-groundwater interaction - The role of local interaction processes and regional groundwater regimes. <i>Science of the Total Environment</i> , 2018 , 618, 1224-1243	10.2	23
89	Exploring micropollutant biotransformation in three freshwater phytoplankton species. <i>Environmental Sciences: Processes and Impacts</i> , 2017 , 19, 822-832	4.3	22
88	Sensitive indoor air monitoring of monoterpenes using different adsorbents and thermal desorption gas chromatography with mass-selective detection. <i>Journal of Chromatography A</i> , 2002 , 962, 175-81	4.5	22
87	GC/MS Quantification of Priority and Emerging Nonpolar Halogenated Micropollutants in All Types of Wastewater Matrices: Analysis Methodology, Chemical Occurrence, and Partitioning. <i>Environmental Science & Technology</i> , 2015 , 49, 7914-25	10.3	21
86	Tracing Urban Wastewater Contaminants into the Atlantic Ocean by Nontarget Screening. <i>Environmental Science & Technology</i> , 2020 , 54, 3996-4005	10.3	21
85	Toxicokinetic and toxicodynamic model for diazinon toxicity--mechanistic explanation of differences in the sensitivity of <i>Daphnia magna</i> and <i>Gammarus pulex</i> . <i>Environmental Toxicology and Chemistry</i> , 2012 , 31, 2014-22	3.8	21
84	Metabolism of a nonylphenol isomer by <i>Sphingomonas</i> sp. strain TTNP3. <i>Environmental Chemistry Letters</i> , 2005 , 2, 185-189	13.3	21
83	Mechanistic toxicodynamic model for receptor-mediated toxicity of diazoxon, the active metabolite of diazinon, in <i>Daphnia magna</i> . <i>Environmental Science & Technology</i> , 2011 , 45, 4980-7	10.3	20
82	Bacterial Diversity Controls Transformation of Wastewater-Derived Organic Contaminants in River-Simulating Flumes. <i>Environmental Science & Technology</i> , 2020 , 54, 5467-5479	10.3	20
81	Micropollutant removal from wastewater: facts and decision-making despite uncertainty. <i>Environmental Science & Technology</i> , 2015 , 49, 6374-5	10.3	19
80	Detection of methylquinoline transformation products in microcosm experiments and in tar oil contaminated groundwater using LC-NMR. <i>Chemosphere</i> , 2008 , 70, 2118-26	8.4	19
79	An integrative approach combining passive sampling, bioassays, and effect-directed analysis to assess the impact of wastewater effluent. <i>Environmental Toxicology and Chemistry</i> , 2018 , 37, 2079-2088	3.8	18
78	Rapid evolutionary loss of metal resistance revealed by hatching decades-old eggs. <i>Evolution; International Journal of Organic Evolution</i> , 2016 , 70, 398-407	3.8	18

77	Using recirculating flumes and a response surface model to investigate the role of hyporheic exchange and bacterial diversity on micropollutant half-lives. <i>Environmental Sciences: Processes and Impacts</i> , 2019 , 21, 2093-2108	4.3	18
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