

Thomas A Ternes

List of Publications by Citations

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168
papers

26,518
citations

69
h-index

162
g-index

170
ext. papers

28,648
ext. citations

9.5
avg, IF

7.38
L-index

#	Paper	IF	Citations
168	Occurrence of drugs in German sewage treatment plants and rivers. <i>Water Research</i> , 1998 , 32, 3245-3260	12.5	2626
167	Occurrence of antibiotics in the aquatic environment. <i>Science of the Total Environment</i> , 1999 , 225, 109-118	10.2	1614
166	Behavior of pharmaceuticals, cosmetics and hormones in a sewage treatment plant. <i>Water Research</i> , 2004 , 38, 2918-26	12.5	1142
165	Behavior and occurrence of estrogens in municipal sewage treatment plants--I. Investigations in Germany, Canada and Brazil. <i>Science of the Total Environment</i> , 1999 , 225, 81-90	10.2	1077
164	Biological degradation of pharmaceuticals in municipal wastewater treatment: proposing a classification scheme. <i>Water Research</i> , 2006 , 40, 1686-96	12.5	818
163	Ozonation: a tool for removal of pharmaceuticals, contrast media and musk fragrances from wastewater?. <i>Water Research</i> , 2003 , 37, 1976-82	12.5	773
162	Water analysis: emerging contaminants and current issues. <i>Analytical Chemistry</i> , 2011 , 83, 4614-48	7.8	711
161	Removal of pharmaceuticals and fragrances in biological wastewater treatment. <i>Water Research</i> , 2005 , 39, 3139-52	12.5	656
160	Oxidation of pharmaceuticals during ozonation of municipal wastewater effluents: a pilot study. <i>Environmental Science & Technology</i> , 2005 , 39, 4290-9	10.3	632
159	Scrutinizing pharmaceuticals and personal care products in wastewater treatment. <i>Environmental Science & Technology</i> , 2004 , 38, 392A-399A	10.3	617
158	Behaviour and occurrence of estrogens in municipal sewage treatment plants--II. Aerobic batch experiments with activated sludge. <i>Science of the Total Environment</i> , 1999 , 225, 91-9	10.2	605
157	A rapid method to measure the solid-water distribution coefficient (Kd) for pharmaceuticals and musk fragrances in sewage sludge. <i>Water Research</i> , 2004 , 38, 4075-84	12.5	506
156	Water analysis: emerging contaminants and current issues. <i>Analytical Chemistry</i> , 2014 , 86, 2813-48	7.8	480
155	Fate of estrogens in a municipal sewage treatment plant. <i>Environmental Science & Technology</i> , 2003 , 37, 4021-6	10.3	452
154	Polar drug residues in sewage and natural waters in the state of Rio de Janeiro, Brazil. <i>Science of the Total Environment</i> , 1999 , 225, 135-41	10.2	452
153	Environmental fate of pharmaceuticals in water/sediment systems. <i>Environmental Science & Technology</i> , 2005 , 39, 5209-18	10.3	408
152	Occurrence of neutral and acidic drugs in the effluents of Canadian sewage treatment plants. <i>Environmental Toxicology and Chemistry</i> , 2003 , 22, 2872-80	3.8	392

151	Removal of estrogens in municipal wastewater treatment under aerobic and anaerobic conditions: consequences for plant optimization. <i>Environmental Science & Technology</i> , 2004 , 38, 3047-55	10.3	389
150	Occurrence and Behavior of X-ray Contrast Media in Sewage Facilities and the Aquatic Environment. <i>Environmental Science & Technology</i> , 2000 , 34, 2741-2748	10.3	354
149	Analytical methods for the determination of pharmaceuticals in aqueous environmental samples. <i>TrAC - Trends in Analytical Chemistry</i> , 2001 , 20, 419-434	14.6	345
148	Trace determination of fluoroquinolone antibacterial agents in urban wastewater by solid-phase extraction and liquid chromatography with fluorescence detection. <i>Analytical Chemistry</i> , 2001 , 73, 3632-8	7.8	335
147	Water analysis: emerging contaminants and current issues. <i>Analytical Chemistry</i> , 2005 , 77, 3807-38	7.8	334
146	Determination of estrogens in sludge and sediments by liquid extraction and GC/MS/MS. <i>Analytical Chemistry</i> , 2002 , 74, 3498-504	7.8	333
145	Water Analysis: Emerging Contaminants and Current Issues. <i>Analytical Chemistry</i> , 2018 , 90, 398-428	7.8	331
144	Irrigation of treated wastewater in Braunschweig, Germany: an option to remove pharmaceuticals and musk fragrances. <i>Chemosphere</i> , 2007 , 66, 894-904	8.4	319
143	Determination of antibiotics in different water compartments via liquid chromatography-electrospray tandem mass spectrometry. <i>Journal of Chromatography A</i> , 1998 , 815, 213-23	4.5	312
142	Mainstream partial nitrification and anammox: long-term process stability and effluent quality at low temperatures. <i>Water Research</i> , 2016 , 101, 628-639	12.5	311
141	Determination of neutral pharmaceuticals in wastewater and rivers by liquid chromatography-electrospray tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2001 , 938, 175-85	4.5	291
140	Fate of pharmaceutical and personal care products (PPCPs) during anaerobic digestion of sewage sludge. <i>Water Research</i> , 2007 , 41, 2139-50	12.5	278
139	Simultaneous determination of psychoactive drugs and their metabolites in aqueous matrices by liquid chromatography mass Spectrometry. <i>Environmental Science & Technology</i> , 2006 , 40, 7321-8	10.3	246
138	Oxidation of pharmaceuticals during water treatment with chlorine dioxide. <i>Water Research</i> , 2005 , 39, 3607-17	12.5	235
137	Determination of the solid-water distribution coefficient (Kd) for pharmaceuticals, estrogens and musk fragrances in digested sludge. <i>Water Research</i> , 2008 , 42, 287-95	12.5	232
136	Tracing the limits of organic micropollutant removal in biological wastewater treatment. <i>Water Research</i> , 2016 , 95, 240-9	12.5	217
135	Ozonation of carbamazepine in drinking water: identification and kinetic study of major oxidation products. <i>Environmental Science & Technology</i> , 2005 , 39, 8014-22	10.3	216
134	Anaerobic biodegradation of (emerging) organic contaminants in the aquatic environment. <i>Water Research</i> , 2017 , 116, 268-295	12.5	215

133	Ozonation of reverse osmosis concentrate: kinetics and efficiency of beta blocker oxidation. <i>Water Research</i> , 2008 , 42, 3003-12	12.5	215
132	Fate of beta blockers and psycho-active drugs in conventional wastewater treatment. <i>Water Research</i> , 2009 , 43, 1060-74	12.5	210
131	Spoilt for choice: A critical review on the chemical and biological assessment of current wastewater treatment technologies. <i>Water Research</i> , 2015 , 87, 237-70	12.5	205
130	Determination of pharmaceuticals, iodinated contrast media and musk fragrances in sludge by LC/tandem MS and GC/MS. <i>Journal of Chromatography A</i> , 2005 , 1067, 213-23	4.5	202
129	Antiviral drugs in wastewater and surface waters: a new pharmaceutical class of environmental relevance?. <i>Environmental Science & Technology</i> , 2010 , 44, 1728-35	10.3	201
128	Formation of toxic iodinated disinfection by-products from compounds used in medical imaging. <i>Environmental Science & Technology</i> , 2011 , 45, 6845-54	10.3	201
127	Determination of acidic pharmaceuticals, antibiotics and ivermectin in river sediment using liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2003 , 1021, 133-44	4.5	197
126	Extraction and determination of sulfonamides, macrolides, and trimethoprim in sewage sludge. <i>Journal of Chromatography A</i> , 2005 , 1085, 179-89	4.5	185
125	Comparison of electrospray ionization and atmospheric pressure chemical ionization for multi-residue analysis of biocides, UV-filters and benzothiazoles in aqueous matrices and activated sludge by liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2010 , 1217, 2088-103	4.5	179
124	The fate of selected micropollutants in a single-house MBR. <i>Water Research</i> , 2009 , 43, 2036-46	12.5	166
123	Assessment of the importance of sorption for steroid estrogens removal during activated sludge treatment. <i>Chemosphere</i> , 2005 , 61, 139-46	8.4	146
122	Bisphenol A induces superfeminization in the ramshorn snail <i>Marisa cornuarietis</i> (Gastropoda: Prosobranchia) at environmentally relevant concentrations. <i>Environmental Health Perspectives</i> , 2006 , 114 Suppl 1, 127-33	8.4	142
121	Removal of antibiotics from urban wastewater by constructed wetland optimization. <i>Chemosphere</i> , 2011 , 83, 713-9	8.4	140
120	Elimination of micropollutants and transformation products from a wastewater treatment plant effluent through pilot scale ozonation followed by various activated carbon and biological filters. <i>Water Research</i> , 2016 , 100, 580-592	12.5	133
119	Transformation of the X-ray contrast medium iopromide in soil and biological wastewater treatment. <i>Environmental Science & Technology</i> , 2008 , 42, 7207-17	10.3	130
118	Benchmarking the in Vitro Toxicity and Chemical Composition of Plastic Consumer Products. <i>Environmental Science & Technology</i> , 2019 , 53, 11467-11477	10.3	120
117	Fate of pharmaceuticals in a subsurface flow constructed wetland and two ponds. <i>Ecological Engineering</i> , 2015 , 80, 125-139	3.9	117
116	Analysis and sorption of psychoactive drugs onto sediment. <i>Environmental Science & Technology</i> , 2008 , 42, 6415-23	10.3	115

115	Evaluating the efficiency of advanced wastewater treatment: target analysis of organic contaminants and (geno-)toxicity assessment tell a different story. <i>Water Research</i> , 2014 , 50, 35-47	12.5	114
114	Diclofenac oxidation by biogenic manganese oxides. <i>Environmental Science & Technology</i> , 2010 , 44, 3449-54	10.3	112
113	Kinetic and mechanistic investigations of the oxidation of tramadol by ferrate and ozone. <i>Environmental Science & Technology</i> , 2012 , 46, 876-84	10.3	109
112	Fate of beta blockers in aquatic-sediment systems: sorption and biotransformation. <i>Environmental Science & Technology</i> , 2010 , 44, 962-70	10.3	108
111	Occurrence of iodinated X-ray contrast media and their biotransformation products in the urban water cycle. <i>Environmental Science & Technology</i> , 2011 , 45, 8723-32	10.3	108
110	Quantification of microplastics in environmental samples via pressurized liquid extraction and pyrolysis-gas chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 6959-6968	4.4	104
109	Transformation of iopamidol during chlorination. <i>Environmental Science & Technology</i> , 2014 , 48, 12689-97	10.3	102
108	Influence of ozone pre-treatment on sludge anaerobic digestion: removal of pharmaceutical and personal care products. <i>Chemosphere</i> , 2007 , 67, 1444-52	8.4	102
107	Biotransformation of selected iodinated X-ray contrast media and characterization of microbial transformation pathways. <i>Environmental Science & Technology</i> , 2010 , 44, 4998-5007	10.3	95
106	Biodegradation of the artificial sweetener acesulfame in biological wastewater treatment and sandfilters. <i>Water Research</i> , 2017 , 110, 342-353	12.5	94
105	Transformation of oxcarbazepine and human metabolites of carbamazepine and oxcarbazepine in wastewater treatment and sand filters. <i>Environmental Science & Technology</i> , 2014 , 48, 10208-16	10.3	87
104	Biotransformation of the antiviral drugs acyclovir and penciclovir in activated sludge treatment. <i>Environmental Science & Technology</i> , 2011 , 45, 2761-9	10.3	86
103	Biogenic metals for the oxidative and reductive removal of pharmaceuticals, biocides and iodinated contrast media in a polishing membrane bioreactor. <i>Water Research</i> , 2011 , 45, 1763-73	12.5	83
102	UV-Filtersubstanzen in Wasser und Fischen. <i>Environmental Sciences Europe</i> , 1997 , 9, 79-86		83
101	Environmental risk assessment of ivermectin: A case study. <i>Integrated Environmental Assessment and Management</i> , 2010 , 6 Suppl, 567-87	2.5	76
100	Effects of the parasiticide ivermectin on the cladoceran <i>Daphnia magna</i> and the green alga <i>Pseudokirchneriella subcapitata</i> . <i>Chemosphere</i> , 2007 , 69, 903-10	8.4	70
99	Sorption behavior of potential organic wastewater indicators with soils. <i>Water Research</i> , 2009 , 43, 951-60	2.5	69
98	Development of an analytical method to determine avermectins in water, sediments and soils using liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2008 , 1211, 60-9	4.5	69

97	Occurrence of venlafaxine, other antidepressants and selected metabolites in the Rhine catchment in the face of climate change. <i>Environmental Pollution</i> , 2015 , 196, 247-56	9.3	68
96	Occurrence and fate of amisulpride, sulphiride, and lamotrigine in municipal wastewater treatment plants with biological treatment and ozonation. <i>Journal of Hazardous Materials</i> , 2016 , 320, 204-215	12.8	68
95	Transformation of diclofenac in hybrid biofilm-activated sludge processes. <i>Water Research</i> , 2016 , 105, 559-567	12.5	67
94	Quantification of more than 150 micropollutants including transformation products in aqueous samples by liquid chromatography-tandem mass spectrometry using scheduled multiple reaction monitoring. <i>Journal of Chromatography A</i> , 2018 , 1531, 64-73	4.5	66
93	New insights into the transformation of trimethoprim during biological wastewater treatment. <i>Water Research</i> , 2016 , 88, 550-557	12.5	65
92	The challenge of analyzing beta-blocker drugs in sludge and wastewater. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 396, 845-56	4.4	64
91	Identification of transformation products of antiviral drugs formed during biological wastewater treatment and their occurrence in the urban water cycle. <i>Water Research</i> , 2016 , 98, 75-83	12.5	62
90	Effect-based and chemical analytical methods to monitor estrogens under the European Water Framework Directive. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 102, 225-235	14.6	61
89	Elucidation of the transformation pathway of the opium alkaloid codeine in biological wastewater treatment. <i>Environmental Science & Technology</i> , 2011 , 45, 3374-85	10.3	61
88	Structural elucidation of main ozonation products of the artificial sweeteners cyclamate and acesulfame. <i>Environmental Science and Pollution Research</i> , 2012 , 19, 1107-18	5.1	59
87	Direct coupling of thin-layer chromatography with a bioassay for the detection of estrogenic compounds: applications for effect-directed analysis. <i>Analytical Chemistry</i> , 2013 , 85, 7248-56	7.8	57
86	Micropollutant degradation via extracted native enzymes from activated sludge. <i>Water Research</i> , 2016 , 95, 348-60	12.5	54
85	Development and validation of a generic nontarget method based on liquid chromatography - high resolution mass spectrometry analysis for the evaluation of different wastewater treatment options. <i>Journal of Chromatography A</i> , 2015 , 1426, 77-90	4.5	53
84	Assessing effects of the pharmaceutical ivermectin on meiobenthic communities using freshwater microcosms. <i>Aquatic Toxicology</i> , 2010 , 99, 126-37	5.1	52
83	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
82	Insights into the variability of microbial community composition and micropollutant degradation in diverse biological wastewater treatment systems. <i>Water Research</i> , 2018 , 143, 313-324	12.5	49
81	Biotransformation of organic micropollutants by anaerobic sludge enzymes. <i>Water Research</i> , 2019 , 152, 202-214	12.5	49
80	Benzotriazole UV stabilizers in sediments, suspended particulate matter and fish of German rivers: New insights into occurrence, time trends and persistency. <i>Environmental Pollution</i> , 2016 , 212, 401-412	9.3	48

79	Electrochemical treatment of iopromide under conditions of reverse osmosis concentrates–elucidation of the degradation pathway. <i>Water Research</i> , 2014 , 48, 237-46	12.5	47
78	Co-occurrence of Photochemical and Microbiological Transformation Processes in Open-Water Unit Process Wetlands. <i>Environmental Science & Technology</i> , 2015 , 49, 14136-45	10.3	46
77	Removal of the iodinated X-ray contrast medium diatrizoate by anaerobic transformation. <i>Environmental Science & Technology</i> , 2014 , 48, 10145-54	10.3	44
76	Environmental fate of the anthelmintic ivermectin in an aerobic sediment/water system. <i>Chemosphere</i> , 2009 , 77, 1321-5	8.4	44
75	Occurrence of Glucocorticoids, Mineralocorticoids, and Progestogens in Various Treated Wastewater, Rivers, and Streams. <i>Environmental Science & Technology</i> , 2018 , 52, 5296-5307	10.3	43
74	Ecotoxicity of climbazole, a fungicide contained in antidandruff shampoo. <i>Environmental Toxicology and Chemistry</i> , 2013 , 32, 2816-25	3.8	41
73	Integrated Evaluation Concept to Assess the Efficacy of Advanced Wastewater Treatment Processes for the Elimination of Micropollutants and Pathogens. <i>Environmental Science & Technology</i> , 2017 , 51, 308-319	10.3	38
72	Suitability of temperature, hydraulic heads, and acesulfame to quantify wastewater-related fluxes in the hyporheic and riparian zone. <i>Water Resources Research</i> , 2013 , 49, 426-440	5.4	38
71	Toxication by Transformation in Conventional and Advanced Wastewater Treatment: The Antiviral Drug Acyclovir. <i>Environmental Science and Technology Letters</i> , 2015 , 2, 342-346	11	37
70	Quaternary Triphenylphosphonium Compounds: A New Class of Environmental Pollutants. <i>Environmental Science & Technology</i> , 2015 , 49, 14282-91	10.3	37
69	Investigation and risk evaluation of the occurrence of carbamazepine, oxcarbazepine, their human metabolites and transformation products in the urban water cycle. <i>Environmental Pollution</i> , 2017 , 225, 261-269	9.3	36
68	Multistep approach for the structural identification of biotransformation products of iodinated X-ray contrast media by liquid chromatography/hybrid triple quadrupole linear ion trap mass spectrometry and (1)H and (13)C nuclear magnetic resonance. <i>Analytical Chemistry</i> , 2009 , 81, 9216-24	7.8	36
67	Oxypurinol - A novel marker for wastewater contamination of the aquatic environment. <i>Water Research</i> , 2015 , 74, 257-65	12.5	35
66	Sorption of biocides, triazine and phenylurea herbicides, and UV-filters onto secondary sludge. <i>Water Research</i> , 2011 , 45, 3638-52	12.5	34
65	Leaching of Terbutryn and Its Photodegradation Products from Artificial Walls under Natural Weather Conditions. <i>Environmental Science & Technology</i> , 2016 , 50, 4289-95	10.3	33
64	Evaluation of a membrane bioreactor system as post-treatment in waste water treatment for better removal of micropollutants. <i>Water Research</i> , 2016 , 107, 37-46	12.5	32
63	Advancing Biological Wastewater Treatment: Extended Anaerobic Conditions Enhance the Removal of Endocrine and Dioxin-like Activities. <i>Environmental Science & Technology</i> , 2016 , 50, 10606-10615	10.3	32
62	Biotransformation of gabapentin in surface water matrices under different redox conditions and the occurrence of one major TP in the aquatic environment. <i>Water Research</i> , 2018 , 137, 290-300	12.5	31

61	Comparative Toxicity of High-Molecular Weight Iopamidol Disinfection Byproducts. <i>Environmental Science and Technology Letters</i> , 2016 , 3, 81-84	11	31
60	Transformation of biocides irgarol and terbutryn in the biological wastewater treatment. <i>Environmental Science & Technology</i> , 2014 , 48, 244-54	10.3	31
59	Extended anaerobic conditions in the biological wastewater treatment: Higher reduction of toxicity compared to target organic micropollutants. <i>Water Research</i> , 2017 , 116, 220-230	12.5	30
58	Comparisons between abiotic nitration and biotransformation reactions of phenolic micropollutants in activated sludge. <i>Water Research</i> , 2014 , 48, 478-89	12.5	30
57	Utilization of large volume zwitterionic hydrophilic interaction liquid chromatography for the analysis of polar pharmaceuticals in aqueous environmental samples: Benefits and limitations. <i>Journal of Chromatography A</i> , 2018 , 1535, 27-43	4.5	30
56	Identification of putative steroid receptor antagonists in bottled water: combining bioassays and high-resolution mass spectrometry. <i>PLoS ONE</i> , 2013 , 8, e72472	3.7	28
55	Electrochemical oxidation of tramadol in low-salinity reverse osmosis concentrates using boron-doped diamond anodes. <i>Water Research</i> , 2015 , 72, 293-304	12.5	27
54	Ozonation of pyridine and other N-heterocyclic aromatic compounds: Kinetics, stoichiometry, identification of products and elucidation of pathways. <i>Water Research</i> , 2016 , 102, 582-593	12.5	26
53	Ecotoxicological evaluation of wastewater ozonation based on detritus-detritivore interactions. <i>Chemosphere</i> , 2011 , 82, 355-61	8.4	26
52	What you extract is what you see: Optimising the preparation of water and wastewater samples for <i>in vitro</i> bioassays. <i>Water Research</i> , 2019 , 152, 47-60	12.5	26
51	Phytotoxicity of wastewater-born micropollutants--Characterisation of three antimycotics and a cationic surfactant. <i>Environmental Pollution</i> , 2016 , 208, 512-22	9.3	23
50	Spatial distribution and temporal trends of pharmaceuticals sorbed to suspended particulate matter of German rivers. <i>Water Research</i> , 2020 , 171, 115366	12.5	23
49	Ozonation of piperidine, piperazine and morpholine: Kinetics, stoichiometry, product formation and mechanistic considerations. <i>Water Research</i> , 2016 , 88, 960-971	12.5	21
48	Photodegradation of octylisothiazolinone and semi-field emissions from facade coatings. <i>Scientific Reports</i> , 2017 , 7, 41501	4.9	20
47	Biotransformation of the UV-filter sulisobenzone: challenges for the identification of transformation products. <i>Environmental Science & Technology</i> , 2013 , 47, 6819-28	10.3	20
46	Comprehensive analysis of antagonistic endocrine activity during ozone treatment of hospital wastewater. <i>Science of the Total Environment</i> , 2018 , 624, 1443-1454	10.2	19
45	Biological transformation of fexofenadine and sitagliptin by carrier-attached biomass and suspended sludge from a hybrid moving bed biofilm reactor. <i>Water Research</i> , 2019 , 167, 115034	12.5	18
44	Transformation, CO formation and uptake of four organic micropollutants by carrier-attached microorganisms. <i>Water Research</i> , 2018 , 141, 405-416	12.5	17

43	Formation of DBPs and halogen-specific TOX in the presence of iopamidol and chlorinated oxidants. <i>Chemosphere</i> , 2018 , 202, 349-357	8.4	16
42	Elucidation of removal processes in sequential biofiltration (SBF) and soil aquifer treatment (SAT) by analysis of a broad range of trace organic chemicals (TOrcs) and their transformation products (TPs). <i>Water Research</i> , 2019 , 163, 114857	12.5	16
41	Nontarget analysis: A new tool for the evaluation of wastewater processes. <i>Water Research</i> , 2019 , 163, 114842	12.5	16
40	Reactive transport of iomeprol during stream-groundwater interactions. <i>Environmental Science & Technology</i> , 2014 , 48, 199-207	10.3	16
39	Assessing the ecological long-term impact of wastewater irrigation on soil and water based on bioassays and chemical analyses. <i>Water Research</i> , 2015 , 84, 33-42	12.5	15
38	Evaluation of the short-term fate and transport of chemicals of emerging concern during soil-aquifer treatment using select transformation products as intrinsic redox-sensitive tracers. <i>Science of the Total Environment</i> , 2017 , 583, 10-18	10.2	14
37	Anaerobic Transformation of the Iodinated X-ray Contrast Medium Iopromide, Its Aerobic Transformation Products, and Transfer to Further Iodinated X-ray Contrast Media. <i>Environmental Science & Technology</i> , 2018 , 52, 8309-8320	10.3	14
36	Quaternary (triphenyl-) phosphonium compounds: Environmental behavior and toxicity. <i>Water Research</i> , 2018 , 136, 207-219	12.5	13
35	Disinfection byproducts and halogen-specific total organic halogen speciation in chlorinated source waters - The impact of iopamidol and bromide. <i>Journal of Environmental Sciences</i> , 2020 , 89, 90-101	6.4	13
34	Capturing the oxic transformation of iopromide - A useful tool for an improved characterization of predominant redox conditions and the removal of trace organic compounds in biofiltration systems?. <i>Water Research</i> , 2019 , 152, 274-284	12.5	13
33	Why Small Differences Matter: Elucidation of the Mechanisms Underlying the Transformation of 2OH- and 3OH-Carbamazepine in Contact with Sand Filter Material. <i>Environmental Science & Technology</i> , 2015 , 49, 10449-56	10.3	12
32	Mitigation of biocide and fungicide concentrations in flow-through vegetated stream mesocosms. <i>Journal of Environmental Quality</i> , 2013 , 42, 1889-95	3.4	12
31	Application of a non-target workflow for the identification of specific contaminants using the example of the Nidda river basin. <i>Water Research</i> , 2020 , 178, 115703	12.5	11
30	Chemicals associated with biodegradable microplastic drive the toxicity to the freshwater oligochaete <i>Lumbriculus variegatus</i> . <i>Aquatic Toxicology</i> , 2021 , 231, 105723	5.1	11
29	Analysis of the aerobic biodegradation of glucocorticoids: Elucidation of the kinetics and transformation reactions. <i>Water Research</i> , 2020 , 174, 115561	12.5	10
28	Identification of transformation products during advanced oxidation of diatrizoate: Effect of water matrix and oxidation process. <i>Water Research</i> , 2016 , 103, 424-434	12.5	10
27	Trifluoroacetate in Precipitation: Deriving a Benchmark Data Set. <i>Environmental Science & Technology</i> , 2020 , 54, 11210-11219	10.3	10
26	Ozonation of Sitagliptin: Removal Kinetics and Elucidation of Oxidative Transformation Products. <i>Environmental Science & Technology</i> , 2020 , 54, 10588-10598	10.3	9

25	Metal(loid) speciation and size fractionation in sediment pore water depth profiles examined with a new meso profiling system. <i>Chemosphere</i> , 2017 , 179, 185-193	8.4	8
24	Nontarget Analysis via LC-QTOF-MS to Assess the Release of Organic Substances from Polyurethane Coating. <i>Environmental Science & Technology</i> , 2017 , 51, 9979-9988	10.3	8
23	Determination of non-extractable residues in soils: Towards a standardised approach. <i>Environmental Pollution</i> , 2020 , 259, 113826	9.3	8
22	Impact of mechanical disturbance and acidification on the metal(loid) and C, P, S mobility at the sediment water interface examined using a fractionation meso profiling ICP-QQQ-MS approach. <i>Science of the Total Environment</i> , 2019 , 651, 2130-2138	10.2	8
21	Impact of chlorine exposure time on disinfection byproduct formation in the presence of iopamidol and natural organic matter during chloramination. <i>Journal of Environmental Sciences</i> , 2019 , 78, 204-214	6.4	8
20	Sediment water (interface) mobility of metal(loid)s and nutrients under undisturbed conditions and during resuspension. <i>Journal of Hazardous Materials</i> , 2020 , 394, 122543	12.8	8
19	Survival, reproduction, growth, and parasite resistance of aquatic organisms exposed on-site to wastewater treated by advanced treatment processes. <i>Aquatic Toxicology</i> , 2017 , 186, 171-179	5.1	7
18	New methodical approaches for the investigation of weathered epoxy resins used for corrosion protection of steel constructions. <i>Journal of Hazardous Materials</i> , 2020 , 395, 122289	12.8	7
17	Water Analysis: Emerging Contaminants and Current Issues. <i>Analytical Chemistry</i> , 2021 ,	7.8	7
16	Development of an analytical method to quantify pharmaceuticals in fish tissues by liquid chromatography-tandem mass spectrometry detection and application to environmental samples. <i>Journal of Chromatography A</i> , 2020 , 1633, 461612	4.5	7
15	Micropollutant transformation and taxonomic composition in hybrid MBBR - A comparison of carrier-attached biofilm and suspended sludge. <i>Water Research</i> , 2021 , 202, 117441	12.5	7
14	Enhanced in vitro toxicity of plastic leachates after UV irradiation. <i>Water Research</i> , 2021 , 199, 117203	12.5	6
13	Fate and behavior of progestogens in activated sludge treatment: Kinetics and transformation products. <i>Water Research</i> , 2021 , 188, 116515	12.5	5
12	Ecotoxicological characterization of emissions from steel coatings in contact with water. <i>Water Research</i> , 2020 , 173, 115525	12.5	4
11	In response: what are the challenges and prospects? An academic perspective. <i>Environmental Toxicology and Chemistry</i> , 2014 , 33, 2408-10	3.8	4
10	Under the radar - Exceptionally high environmental concentrations of the high production volume chemical sulfamic acid in the urban water cycle. <i>Water Research</i> , 2020 , 175, 115706	12.5	3
9	Ozonation products of zidovudine and thymidine in oxidative water treatment. <i>Water Research X</i> , 2021 , 11, 100090	8.1	3
8	Evaluation of poly(styrene-d5) and poly(4-fluorostyrene) as internal standards for microplastics quantification by thermoanalytical methods. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021 , 159, 105310	6	3

7	Comparing mass, retention time and tandem mass spectra as criteria for the automated screening of small molecules in aqueous environmental samples analyzed by liquid chromatography/quadrupole time-of-flight tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2020 , 34, e8541	2.2	2
6	Assessment of Full-Scale Indirect Potable Water Reuse in El Port de la Selva, Spain. <i>Water (Switzerland)</i> , 2021 , 13, 325	3	2
5	Isomerspecific determination of sorption/desorption, transformation and bioaccumulation of hexachlorocyclohexanes at the case site Bitterfeld with special regard to ageing effects. <i>International Journal of Environmental Analytical Chemistry</i> , 2018 , 98, 1309-1330	1.8	2
4	UV aged epoxy coatings - Ecotoxicological effects and released compounds. <i>Water Research X</i> , 2021 , 12, 100105	8.1	2
3	Chloramination of iopamidol- and bromide-spiked waters containing natural organic matter. <i>Water Science and Technology: Water Supply</i> , 2021 , 21, 886-898	1.4	1
2	Open-source feature detection for non-target LC-MS analytics. <i>Rapid Communications in Mass Spectrometry</i> , 2022 , 36, e9206	2.2	0
1	Biotransformation of pregabalin in surface water matrices and the occurrence of transformation products in the aquatic environment - comparison to the structurally related gabapentin. <i>Water Research</i> , 2021 , 203, 117488	12.5	0