Thomas A Ternes

List of Publications by Year
in descending order

169	31,466	7096 78	4645 170
papers	citations	h-index	g-index

170	170	170	18149
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Occurrence of drugs in German sewage treatment plants and rivers1Dedicated to Professor Dr. Klaus Haberer on the occasion of his 70th birthday.1. Water Research, 1998, 32, 3245-3260.	11.3	2,903
2	Occurrence of antibiotics in the aquatic environment. Science of the Total Environment, 1999, 225, 109-118.	8.0	1,805
3	Behavior of pharmaceuticals, cosmetics and hormones in a sewage treatment plant. Water Research, 2004, 38, 2918-2926.	11.3	1,277
4	Behavior and occurrence of estrogens in municipal sewage treatment plants â€" I. Investigations in Germany, Canada and Brazil. Science of the Total Environment, 1999, 225, 81-90.	8.0	1,198
5	Biological degradation of pharmaceuticals in municipal wastewater treatment: Proposing a classification scheme. Water Research, 2006, 40, 1686-1696.	11.3	948
6	Ozonation: a tool for removal of pharmaceuticals, contrast media and musk fragrances from wastewater?. Water Research, 2003, 37, 1976-1982.	11.3	850
7	Water Analysis: Emerging Contaminants and Current Issues. Analytical Chemistry, 2011, 83, 4614-4648.	6.5	804
8	Water Analysis: Emerging Contaminants and Current Issues. Analytical Chemistry, 2014, 86, 2813-2848.	6.5	740
9	Removal of pharmaceuticals and fragrances in biological wastewater treatment. Water Research, 2005, 39, 3139-3152.	11.3	729
10	Peer Reviewed: Scrutinizing Pharmaceuticals and Personal Care Products in Wastewater Treatment. Environmental Science & Technology, 2004, 38, 392A-399A.	10.0	717
11	Oxidation of Pharmaceuticals during Ozonation of Municipal Wastewater Effluents:Â A Pilot Study. Environmental Science & Technology, 2005, 39, 4290-4299.	10.0	713
12	Behaviour and occurrence of estrogens in municipal sewage treatment plants â€" II. Aerobic batch experiments with activated sludge. Science of the Total Environment, 1999, 225, 91-99.	8.0	675
13	A rapid method to measure the solidâ€"water distribution coefficient (Kd) for pharmaceuticals and musk fragrances in sewage sludge. Water Research, 2004, 38, 4075-4084.	11.3	567
14	Polar drug residues in sewage and natural waters in the state of Rio de Janeiro, Brazil. Science of the Total Environment, 1999, 225, 135-141.	8.0	522
15	Fate of Estrogens in a Municipal Sewage Treatment Plant. Environmental Science & Technology, 2003, 37, 4021-4026.	10.0	495
16	Water Analysis: Emerging Contaminants and Current Issues. Analytical Chemistry, 2018, 90, 398-428.	6.5	465
17	Environmental Fate of Pharmaceuticals in Water/Sediment Systems. Environmental Science & Technology, 2005, 39, 5209-5218.	10.0	455
18	Removal of Estrogens in Municipal Wastewater Treatment under Aerobic and Anaerobic Conditions:Â Consequences for Plant Optimization. Environmental Science & Technology, 2004, 38, 3047-3055.	10.0	441

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19	OCCURRENCE OF NEUTRAL AND ACIDIC DRUGS IN THE EFFLUENTS OF CANADIAN SEWAGE TREATMENT PLANTS. Environmental Toxicology and Chemistry, 2003, 22, 2872.	4.3	421
20	Mainstream partial nitritation and anammox: long-term process stability and effluent quality at low temperatures. Water Research, 2016, 101, 628-639.	11.3	420
21	Occurrence and Behavior of X-ray Contrast Media in Sewage Facilities and the Aquatic Environment. Environmental Science & Technology, 2000, 34, 2741-2748.	10.0	390
22	Analytical methods for the determination of pharmaceuticals in aqueous environmental samples. TrAC - Trends in Analytical Chemistry, 2001, 20, 419-434.	11.4	379
23	Trace Determination of Fluoroquinolone Antibacterial Agents in Urban Wastewater by Solid-Phase Extraction and Liquid Chromatography with Fluorescence Detection. Analytical Chemistry, 2001, 73, 3632-3638.	6.5	364
24	Determination of Estrogens in Sludge and Sediments by Liquid Extraction and GC/MS/MS. Analytical Chemistry, 2002, 74, 3498-3504.	6.5	361
25	Irrigation of treated wastewater in Braunschweig, Germany: An option to remove pharmaceuticals and musk fragrances. Chemosphere, 2007, 66, 894-904.	8.2	359
26	Water Analysis:â€‰ Emerging Contaminants and Current Issues. Analytical Chemistry, 2005, 77, 3807-3838.	6.5	354
27	Determination of antibiotics in different water compartments via liquid chromatographyâ€“electrospray tandem mass spectrometry. Journal of Chromatography A, 1998, 815, 213-223.	3.7	340
28	Fate of pharmaceutical and personal care products (PPCPs) during anaerobic digestion of sewage sludge. Water Research, 2007, 41, 2139-2150.	11.3	332
29	Determination of neutral pharmaceuticals in wastewater and rivers by liquid chromatographyâ€“electrospray tandem mass spectrometry. Journal of Chromatography A, 2001, 938, 175-185.	3.7	315
30	Anaerobic biodegradation of (emerging) organic contaminants in the aquatic environment. Water Research, 2017, 116, 268-295.	11.3	285
31	Oxidation of pharmaceuticals during water treatment with chlorine dioxide. Water Research, 2005, 39, 3607-3617.	11.3	280
32	Tracing the limits of organic micropollutant removal in biological wastewater treatment. Water Research, 2016, 95, 240-249.	11.3	279
33	Simultaneous Determination of Psychoactive Drugs and Their Metabolites in Aqueous Matrices by Liquid Chromatography Mass Spectrometry. Environmental Science & Technology, 2006, 40, 7321-7328.	10.0	267
34	Determination of the solidâ€“water distribution coefficient (Kd) for pharmaceuticals, estrogens and musk fragrances in digested sludge. Water Research, 2008, 42, 287-295.	11.3	265
35	Ozonation of Carbamazepine in Drinking Water:â€‰ Identification and Kinetic Study of Major Oxidation Products. Environmental Science & Technology, 2005, 39, 8014-8022.	10.0	259
36	Spoilt for choice: A critical review on the chemical and biological assessment of current wastewater treatment technologies. Water Research, 2015, 87, 237-270.	11.3	255

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37	Antiviral Drugs in Wastewater and Surface Waters: A New Pharmaceutical Class of Environmental Relevance?. Environmental Science & Technology, 2010, 44, 1728-1735.	10.0	251
38	Ozonation of reverse osmosis concentrate: Kinetics and efficiency of beta blocker oxidation. Water Research, 2008, 42, 3003-3012.	11.3	244
39	Formation of Toxic Iodinated Disinfection By-Products from Compounds Used in Medical Imaging. Environmental Science & Technology, 2011, 45, 6845-6854.	10.0	242
40	Fate of beta blockers and psycho-active drugs in conventional wastewater treatment. Water Research, 2009, 43, 1060-1074.	11.3	230
41	Determination of pharmaceuticals, iodinated contrast media and musk fragrances in sludge by LC tandem MS and GC/MS. Journal of Chromatography A, 2005, 1067, 213-223.	3.7	220
42	Benchmarking the in Vitro Toxicity and Chemical Composition of Plastic Consumer Products. Environmental Science & Technology, 2019, 53, 11467-11477.	10.0	219
43	Determination of acidic pharmaceuticals, antibiotics and ivermectin in river sediment using liquid chromatographyâ€“tandem mass spectrometry. Journal of Chromatography A, 2003, 1021, 133-144.	3.7	213
44	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 chromatographyâ€“tandem mass spectrometry. Journal of Chromatography A, 2010, 1217, 2088-2103.	3.7	209
45	Extraction and determination of sulfonamides, macrolides, and trimethoprim in sewage sludge. Journal of Chromatography A, 2005, 1085, 179-189.	3.7	205
46	The fate of selected micropollutants in a single-house MBR. Water Research, 2009, 43, 2036-2046.	11.3	199
47	Quantification of microplastics in environmental samples via pressurized liquid extraction and pyrolysis-gas chromatography. Analytical and Bioanalytical Chemistry, 2019, 411, 6959-6968.	3.7	192
48	Removal of antibiotics from urban wastewater by constructed wetland optimization. Chemosphere, 2011, 83, 713-719.	8.2	183
49	Elimination of micropollutants and transformation products from a wastewater treatment plant effluent through pilot scale ozonation followed by various activated carbon and biological filters. Water Research, 2016, 100, 580-592.	11.3	172
50	Assessment of the importance of sorption for steroid estrogens removal during activated sludge treatment. Chemosphere, 2005, 61, 139-146.	8.2	167
51	Bisphenol A Induces Superfeminization in the Ramshorn Snail (Gastropoda: Prosobranchia) at Environmentally Relevant Concentrations. Environmental Health Perspectives, 2006, 114, 127-133.	6.0	159
52	Transformation of the X-ray Contrast Medium Iopromide In Soil and Biological Wastewater Treatment. Environmental Science & Technology, 2008, 42, 7207-7217.	10.0	146
53	Fate of pharmaceuticals in a subsurface flow constructed wetland and two ponds. Ecological Engineering, 2015, 80, 125-139.	3.6	145
54	Diclofenac Oxidation by Biogenic Manganese Oxides. Environmental Science & Technology, 2010, 44, 3449-3454.	10.0	141

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55	Occurrence of Iodinated X-ray Contrast Media and Their Biotransformation Products in the Urban Water Cycle. Environmental Science & Technology, 2011, 45, 8723-8732.	10.0	134
56	Evaluating the efficiency of advanced wastewater treatment: Target analysis of organic contaminants and (geno-)toxicity assessment tell a different story. Water Research, 2014, 50, 35-47.	11.3	134
57	Analysis and Sorption of Psychoactive Drugs onto Sediment. Environmental Science & Technology, 2008, 42, 6415-6423.	10.0	130
58	Kinetic and Mechanistic Investigations of the Oxidation of Tramadol by Ferrate and Ozone. Environmental Science & Technology, 2012, 46, 876-884.	10.0	129
59	Transformation of Iopamidol during Chlorination. Environmental Science & Technology, 2014, 48, 12689-12697.	10.0	127
60	Biodegradation of the artificial sweetener acesulfame in biological wastewater treatment and sandfilters. Water Research, 2017, 110, 342-353.	11.3	123
61	Fate of Beta Blockers in Aquatic-Sediment Systems: Sorption and Biotransformation. Environmental Science & Technology, 2010, 44, 962-970.	10.0	121
62	Influence of ozone pre-treatment on sludge anaerobic digestion: Removal of pharmaceutical and personal care products. Chemosphere, 2007, 67, 1444-1452.	8.2	117
63	Environmental risk assessment of ivermectin: A case study. Integrated Environmental Assessment and Management, 2010, 6, 567-587.	2.9	113
64	Biotransformation of Selected Iodinated X-ray Contrast Media and Characterization of Microbial Transformation Pathways. Environmental Science & Technology, 2010, 44, 4998-5007.	10.0	109
65	Biotransformation of the Antiviral Drugs Acyclovir and Penciclovir in Activated Sludge Treatment. Environmental Science & Technology, 2011, 45, 2761-2769.	10.0	109
66	High resolution mass spectrometry-based non-target screening can support regulatory environmental monitoring and chemicals management. Environmental Sciences Europe, 2019, 31, .	5.5	107
67	Transformation of Oxcarbazepine and Human Metabolites of Carbamazepine and Oxcarbazepine in Wastewater Treatment and Sand Filters. Environmental Science & Technology, 2014, 48, 10208-10216.	10.0	104
68	Biogenic metals for the oxidative and reductive removal ofÂpharmaceuticals, biocides and iodinated contrast media inÂaÂpolishing membrane bioreactor. Water Research, 2011, 45, 1763-1773.	11.3	99
69	Occurrence and fate of amisulpride, sulpiride, and lamotrigine in municipal wastewater treatment plants with biological treatment and ozonation. Journal of Hazardous Materials, 2016, 320, 204-215.	12.4	97
70	Effects of the parasiticide ivermectin on the cladoceran Daphnia magna and the green alga Pseudokirchneriella subcapitata. Chemosphere, 2007, 69, 903-910.	8.2	95
71	Occurrence of venlafaxine, other antidepressants and selected metabolites in the Rhine catchment in the face of climate change. Environmental Pollution, 2015, 196, 247-256.	7.5	93
72	Water Analysis: Emerging Contaminants and Current Issues. Analytical Chemistry, 2022, 94, 382-416.	6.5	92

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73	Transformation of diclofenac in hybrid biofilmâ€“activated sludge processes. Water Research, 2016, 105, 559-567.	11.3	89
74	Identification of transformation products of antiviral drugs formed during biological wastewater treatment and their occurrence in the urban water cycle. Water Research, 2016, 98, 75-83.	11.3	87
75	Occurrence of Glucocorticoids, Mineralocorticoids, and Progestogens in Various Treated Wastewater, Rivers, and Streams. Environmental Science & Technology, 2018, 52, 5296-5307.	10.0	87
76	Quantification of more than 150 micropollutants including transformation products in aqueous samples by liquid chromatography-tandem mass spectrometry using scheduled multiple reaction monitoring. Journal of Chromatography A, 2018, 1531, 64-73.	3.7	86
77	Benzotriazole UV stabilizers in sediments, suspended particulate matter and fish of German rivers: New insights into occurrence, time trends and persistency. Environmental Pollution, 2016, 212, 401-412.	7.5	85
78	New insights into the transformation of trimethoprim during biological wastewater treatment. Water Research, 2016, 88, 550-557.	11.3	84
79	Effect-based and chemical analytical methods to monitor estrogens under the European Water Framework Directive. TrAC - Trends in Analytical Chemistry, 2018, 102, 225-235.	11.4	82
80	Insights into the variability of microbial community composition and micropollutant degradation in diverse biological wastewater treatment systems. Water Research, 2018, 143, 313-324.	11.3	81
81	Development of an analytical method to determine avermectins in water, sediments and soils using liquid chromatographyâ€“tandem mass spectrometry. Journal of Chromatography A, 2008, 1211, 60-69.	3.7	80
82	Sorption behavior of potential organic wastewater indicators with soils. Water Research, 2009, 43, 951-960.	11.3	74
83	Micropollutant degradation via extracted native enzymes from activated sludge. Water Research, 2016, 95, 348-360.	11.3	74
84	The challenge of analyzing beta-blocker drugs in sludge and wastewater. Analytical and Bioanalytical Chemistry, 2010, 396, 845-856.	3.7	72
85	Biotransformation of organic micropollutants by anaerobic sludge enzymes. Water Research, 2019, 152, 202-214.	11.3	71
86	Direct Coupling of Thin-Layer Chromatography with a Bioassay for the Detection of Estrogenic Compounds: Applications for Effect-Directed Analysis. Analytical Chemistry, 2013, 85, 7248-7256.	6.5	70
87	Development and validation of a generic nontarget method based on liquid chromatography â€“ high resolution mass spectrometry analysis for the evaluation of different wastewater treatment options. Journal of Chromatography A, 2015, 1426, 77-90.	3.7	65
88	Occurrence, fate, removal and assessment of emerging contaminants in water in the water cycle (from wastewater to drinking water). Water Research, 2015, 72, 1-2.	11.3	65
89	Elucidation of the Transformation Pathway of the Opium Alkaloid Codeine in Biological Wastewater Treatment. Environmental Science & Technology, 2011, 45, 3374-3385.	10.0	63
90	Structural elucidation of main ozonation products of the artificial sweeteners cyclamate and acesulfame. Environmental Science and Pollution Research, 2012, 19, 1107-1118.	5.3	63

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91	Co-occurrence of Photochemical and Microbiological Transformation Processes in Open-Water Unit Process Wetlands. Environmental Science & Technology, 2015, 49, 14136-14145.	10.0	62
92	Assessing effects of the pharmaceutical ivermectin on meiobenthic communities using freshwater microcosms. Aquatic Toxicology, 2010, 99, 126-137.	4.0	59
93	Electrochemical treatment of iopromide under conditions of reverse osmosis concentrates â€“ Elucidation of the degradation pathway. Water Research, 2014, 48, 237-246.	11.3	59
94	Ecotoxicity of climbazole, a fungicide contained in antidandruff shampoo. Environmental Toxicology and Chemistry, 2013, 32, 2816-2825.	4.3	57
95	Environmental fate of the anthelmintic ivermectin in an aerobic sediment/water system. Chemosphere, 2009, 77, 1321-1325.	8.2	55
96	Integrated Evaluation Concept to Assess the Efficacy of Advanced Wastewater Treatment Processes for the Elimination of Micropollutants and Pathogens. Environmental Science & Technology, 2017, 51, 308-319.	10.0	55
97	Toxification by Transformation in Conventional and Advanced Wastewater Treatment: The Antiviral Drug Acyclovir. Environmental Science and Technology Letters, 2015, 2, 342-346.	8.7	52
98	Removal of the Iodinated X-ray Contrast Medium Diatrizoate by Anaerobic Transformation. Environmental Science & Technology, 2014, 48, 10145-10154.	10.0	51
99	Investigation and risk evaluation of the occurrence of carbamazepine, oxcarbazepine, their human metabolites and transformation products in the urban water cycle. Environmental Pollution, 2017, 225, 261-269.	7.5	50
100	Suitability of temperature, hydraulic heads, and acesulfame to quantify wastewaterâ€related fluxes in the hyporheic and riparian zone. Water Resources Research, 2013, 49, 426-440.	4.2	49
101	Biotransformation of gabapentin in surface water matrices under different redox conditions and the occurrence of one major TP in the aquatic environment. Water Research, 2018, 137, 290-300.	11.3	49
102	Utilization of large volume zwitterionic hydrophilic interaction liquid chromatography for the analysis of polar pharmaceuticals in aqueous environmental samples: Benefits and limitations. Journal of Chromatography A, 2018, 1535, 27-43.	3.7	49
103	Spatial distribution and temporal trends of pharmaceuticals sorbed to suspended particulate matter of German rivers. Water Research, 2020, 171, 115366.	11.3	49
104	Quaternary Triphenylphosphonium Compounds: A New Class of Environmental Pollutants. Environmental Science & Technology, 2015, 49, 14282-14291.	10.0	46
105	Leaching of Terbutryn and Its Photodegradation Products from Artificial Walls under Natural Weather Conditions. Environmental Science & Technology, 2016, 50, 4289-4295.	10.0	46
106	Oxypurinol â€“ A novel marker for wastewater contamination of the aquatic environment. Water Research, 2015, 74, 257-265.	11.3	45
107	Evaluation of a membrane bioreactor system as post-treatment in waste water treatment for better removal of micropollutants. Water Research, 2016, 107, 37-46.	11.3	44
108	Advancing Biological Wastewater Treatment: Extended Anaerobic Conditions Enhance the Removal of Endocrine and Dioxin-like Activities. Environmental Science & Technology, 2016, 50, 10606-10615.	10.0	43

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109	Comparative Toxicity of High-Molecular Weight Iopamidol Disinfection Byproducts. Environmental Science and Technology Letters, 2016, 3, 81-84.	8.7	40
110	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 ¹H and ¹³C Nuclear Magnetic Resonance. Analytical Chemistry, 2009, 81, 9216-9224.	6.5	39
111	Sorption of biocides, triazine and phenylurea herbicides, and UV-filters onto secondary sludge. Water Research, 2011, 45, 3638-3652.	11.3	39
112	Ozonation of pyridine and other N-heterocyclic aromatic compounds: Kinetics, stoichiometry, identification of products and elucidation of pathways. Water Research, 2016, 102, 582-593.	11.3	39
113	Extended anaerobic conditions in the biological wastewater treatment: Higher reduction of toxicity compared to target organic micropollutants. Water Research, 2017, 116, 220-230.	11.3	39
114	What you extract is what you see: Optimising the preparation of water and wastewater samples for inÂvitro bioassays. Water Research, 2019, 152, 47-60.	11.3	39
115	Comparisons between abiotic nitration and biotransformation reactions of phenolic micropollutants in activated sludge. Water Research, 2014, 48, 478-489.	11.3	37
116	Electrochemical oxidation of tramadol in low-salinity reverse osmosis concentrates using boron-doped diamond anodes. Water Research, 2015, 72, 293-304.	11.3	36
117	Transformation of Biocides Irgarol and Terbutryn in the Biological Wastewater Treatment. Environmental Science & Technology, 2014, 48, 244-254.	10.0	34
118	Chemicals associated with biodegradable microplastic drive the toxicity to the freshwater oligochaete Lumbriculus variegatus. Aquatic Toxicology, 2021, 231, 105723.	4.0	33
119	Nontarget analysis: A new tool for the evaluation of wastewater processes. Water Research, 2019, 163, 114842.	11.3	32
120	Enhanced in vitro toxicity of plastic leachates after UV irradiation. Water Research, 2021, 199, 117203.	11.3	32
121	Photodegradation of octylisothiazolinone and semi-field emissions from facade coatings. Scientific Reports, 2017, 7, 41501.	3.3	31
122	Micropollutant transformation and taxonomic composition in hybrid MBBR â€“ A comparison of carrier-attached biofilm and suspended sludge. Water Research, 2021, 202, 117441.	11.3	31
123	Identification of Putative Steroid Receptor Antagonists in Bottled Water: Combining Bioassays and High-Resolution Mass Spectrometry. PLoS ONE, 2013, 8, e72472.	2.5	30
124	Phytotoxicity of wastewater-born micropollutants â€“ Characterisation of three antimycotics and a cationic surfactant. Environmental Pollution, 2016, 208, 512-522.	7.5	30
125	Biological transformation of fexofenadine and sitagliptin by carrier-attached biomass and suspended sludge from a hybrid moving bed biofilm reactor. Water Research, 2019, 167, 115034.	11.3	30
126	Trifluoroacetate in Precipitation: Deriving a Benchmark Data Set. Environmental Science & Technology, 2020, 54, 11210-11219.	10.0	29

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127	Ecotoxicologial evaluation of wastewater ozonation based on detritusâ€“detritivore interactions. Chemosphere, 2011, 82, 355-361.	8.2	28
128	Ozonation of piperidine, piperazine and morpholine: Kinetics, stoichiometry, product formation and mechanistic considerations. Water Research, 2016, 88, 960-971.	11.3	28
129	Comprehensive analysis of antagonistic endocrine activity during ozone treatment of hospital wastewater. Science of the Total Environment, 2018, 624, 1443-1454.	8.0	28
130	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). Water Research, 2019, 163, 114857.	11.3	28
131	Transformation, CO2 formation and uptake of four organic micropollutants by carrier-attached microorganisms. Water Research, 2018, 141, 405-416.	11.3	27
132	Application of a non-target workflow for the identification of specific contaminants using the example of the Nidda river basin. Water Research, 2020, 178, 115703.	11.3	25
133	Determination of non-extractable residues in soils: Towards a standardised approach. Environmental Pollution, 2020, 259, 113826.	7.5	24
134	Biotransformation of the UV-Filter Sulisobenzone: Challenges for the Identification of Transformation Products. Environmental Science & Technology, 2013, 47, 6819-6828.	10.0	23
135	Sediment water (interface) mobility of metal(loid)s and nutrients under undisturbed conditions and during resuspension. Journal of Hazardous Materials, 2020, 394, 122543.	12.4	23
136	Analysis of the aerobic biodegradation of glucocorticoids: Elucidation of the kinetics and transformation reactions. Water Research, 2020, 174, 115561.	11.3	22
137	Anaerobic Transformation of the Iodinated X-ray Contrast Medium Iopromide, Its Aerobic Transformation Products, and Transfer to Further Iodinated X-ray Contrast Media. Environmental Science & Technology, 2018, 52, 8309-8320.	10.0	21
138	Reactive Transport of Iomeprol during Stream-Groundwater Interactions. Environmental Science & Technology, 2014, 48, 199-207.	10.0	20
139	Assessing the ecological long-term impact of wastewater irrigation on soil and water based on bioassays and chemical analyses. Water Research, 2015, 84, 33-42.	11.3	20
140	Formation of DBPs and halogen-specific TOX in the presence of iopamidol and chlorinated oxidants. Chemosphere, 2018, 202, 349-357.	8.2	19
141	Development of an analytical method to quantify pharmaceuticals in fish tissues by liquid chromatography-tandem mass spectrometry detection and application to environmental samples. Journal of Chromatography A, 2020, 1633, 461612.	3.7	19
142	Ozonation of Sitagliptin: Removal Kinetics and Elucidation of Oxidative Transformation Products. Environmental Science & Technology, 2020, 54, 10588-10598.	10.0	19
143	Evaluation of poly(styrene-d5) and poly(4-fluorostyrene) as internal standards for microplastics quantification by thermoanalytical methods. Journal of Analytical and Applied Pyrolysis, 2021, 159, 105310.	5.5	18
144	Disinfection byproducts and halogen-specific total organic halogen speciation in chlorinated source waters â€“ The impact of iopamidol and bromide. Journal of Environmental Sciences, 2020, 89, 90-101.	6.1	17

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145	Identification of transformation products during advanced oxidation of diatrizoate: Effect of water matrix and oxidation process. Water Research, 2016, 103, 424-434.	11.3	16
146	Quaternary (triphenyl-) phosphonium compounds: Environmental behavior and toxicity. Water Research, 2018, 136, 207-219.	11.3	16
147	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. Science of the Total Environment, 2017, 583, 10-18.	8.0	15
148	Capturing the oxic transformation of iopromide â€“ A useful tool for an improved characterization of predominant redox conditions and the removal of trace organic compounds in biofiltration systems?. Water Research, 2019, 152, 274-284.	11.3	15
149	Why Small Differences Matter: Elucidation of the Mechanisms Underlying the Transformation of 2OH- and 3OH-Carbamazepine in Contact with Sand Filter Material. Environmental Science & Technology, 2015, 49, 10449-10456.	10.0	14
150	Mitigation of Biocide and Fungicide Concentrations in Flow-Through Vegetated Stream Mesocosms. Journal of Environmental Quality, 2013, 42, 1889-1895.	2.0	13
151	Levels and Temporal Trends of Trifluoroacetate (TFA) in Archived Plants: Evidence for Increasing Emissions of Gaseous TFA Precursors over the Last Decades. Environmental Science and Technology Letters, 2022, 9, 400-405.	8.7	13
152	Nontarget Analysis via LC-QTOF-MS to Assess the Release of Organic Substances from Polyurethane Coating. Environmental Science & Technology, 2017, 51, 9979-9988.	10.0	12
153	Fate and behavior of progestogens in activated sludge treatment: Kinetics and transformation products. Water Research, 2021, 188, 116515.	11.3	12
154	New methodical approaches for the investigation of weathered epoxy resins used for corrosion protection of steel constructions. Journal of Hazardous Materials, 2020, 395, 122289.	12.4	11
155	UV aged epoxy coatings Ì¶ Ecotoxicological effects and released compounds. Water Research X, 2021, 12, 100105.	6.1	11
156	Survival, reproduction, growth, and parasite resistance of aquatic organisms exposed on-site to wastewater treated by advanced treatment processes. Aquatic Toxicology, 2017, 186, 171-179.	4.0	10
157	Metal(loid) speciation and size fractionation in sediment pore water depth profiles examined with a new meso profiling system. Chemosphere, 2017, 179, 185-193.	8.2	10
158	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. Science of the Total Environment, 2019, 651, 2130-2138.	8.0	10
159	Impact of chlorine exposure time on disinfection byproduct formation in the presence of iopamidol and natural organic matter during chloramination. Journal of Environmental Sciences, 2019, 78, 204-214.	6.1	9
160	Ecotoxicological characterization of emissions from steel coatings in contact with water. Water Research, 2020, 173, 115525.	11.3	9
161	Ozonation products of zidovudine and thymidine in oxidative water treatment. Water Research X, 2021, 11, 100090.	6.1	9
162	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 timeâ€ofâ€flight tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2020, 34, e8541.	1.5	8

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163	Openâ€source feature detection for nonâ€target LCâ€“MS analytics. Rapid Communications in Mass Spectrometry, 2022, 36, e9206.	1.5	8
164	Assessment of Full-Scale Indirect Potable Water Reuse in El Port de la Selva, Spain. Water (Switzerland), 2021, 13, 325.	2.7	5
165	Biotransformation of pregabalin in surface water matrices and the occurrence of transformation products in the aquatic environment - comparison to the structurally related gabapentin. Water Research, 2021, 203, 117488.	11.3	5
166	In Response: What are the challenges and prospects? An academic perspective. Environmental Toxicology and Chemistry, 2014, 33, 2408-2410.	4.3	4
167	Under the radar â€“ Exceptionally high environmental concentrations of the high production volume chemical sulfamic acid in the urban water cycle. Water Research, 2020, 175, 115706.	11.3	4
168	Isomerspecific determination of sorption/desorption, transformation and bioaccumulation of hexachlorocyclohexanes at the case site Bitterfeld with special regard to ageing effects. International Journal of Environmental Analytical Chemistry, 2018, 98, 1309-1330.	3.3	3
169	Chloramination of iopamidol- and bromide-spiked waters containing natural organic matter. Water Science and Technology: Water Supply, 2021, 21, 886-898.	2.1	2