Thomas Ternes

List of Articles by Year
in descending order

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239 peer-reviewed articles	37,917 peer-reviewed citations	3294 89 peer-reviewed h-index	36857 7.12 score
253 documents	43712 doc citations	3779 94 h-index	37264 citing authors

#	Article	IF	Citations
1	Release and quantification of organic and inorganic contaminants from geotextile materials in dynamic surface leaching test. Journal of Hazardous Materials, 2025, 482, 136330.	7.8	5
2	Impact of sulfate on the release of genotoxic metals from hardened cement pastes. Journal of Hazardous Materials, 2025, 492, 137990.	7.8	0
3	A critical view on determination of annual microplastic loads in the Rhine River. Water Research, 2025, 283, 123835.	9.9	7
4	Automated high-temporal-resolution multi-element river water monitoring with ICP-MS. Environmental Sciences Europe, 2025, 37, .	4.1	4
5	Occurrence, Temporal Variability, and Loads of Poly(vinyl chloride) in the Rhine and Moselle. Environmental Science & Technology, 2025, 59, 14649-14659.	8.5	3
6	Quantification of poly(ethylene terephthalate) in environmental samples after methanolysis via gas chromatography–mass spectrometry. Analytical and Bioanalytical Chemistry, 2025, 417, 4461-4468.	2.6	2
7	Qualitative hydrology: a review of the last quarter century and a glimpse into the future from the perspective of the Division G of the Federal Institute of Hydrology. Environmental Sciences Europe, 2024, 36, .	4.1	0
8	Multi-element analysis of unfiltered samples in river water monitoring—digestion and single-run analyses of 67 elements. Analytical and Bioanalytical Chemistry, 2024, 416, 3205-3222.	2.6	10
9	Metabolites are overlooked in environmental risk assessments and monitoring of pharmaceuticals: The case study of pantoprazole. Water Research, 2024, 256, 121596.	9.9	11
10	Extrapolation of cytotoxic masked effects in planar in vitro assays. Analytical and Bioanalytical Chemistry, 2024, 416, 3519-3532.	2.6	2
11	Development of an analytical method to quantify N-acyl-homoserine lactones in bacterial cultures, river water, and treated wastewater. Analytical and Bioanalytical Chemistry, 2024, 416, 3555-3567.	2.6	5
12	From genes to toxins: Profiling Prymnesium parvum during a riverine harmful algal bloom. Harmful Algae, 2024, 136, 102644.	3.0	10
13	Identification and trend analysis of organic cationic contaminants via non-target screening in suspended particulate matter of the German rivers Rhine and Saar. Water Research, 2023, 229, 119304.	9.9	22
14	Protein fractionation and shotgun proteomics analysis of enriched bacterial cultures shed new light on the enzymatically catalyzed degradation of acesulfame. Water Research, 2023, 230, 119535.	9.9	13
15	Quantification of 68 elements in river water monitoring samples in single-run measurements. Chemosphere, 2023, 320, 138053.	5.0	23
16	Quantification of Poly(vinyl chloride) Microplastics via Pressurized Liquid Extraction and Combustion Ion Chromatography. Environmental Science & Technology, 2023, 57, 4806-4812.	8.5	28
17	Bromination of Quorum Sensing Molecules: Vanadium Bromoperoxidase and Cerium Dioxide Nanocrystals via Free Active Bromine Transform Bacterial Communication. Environmental Science & Technology, 2023, 57, 18491-18498.	8.5	9
18	Efficiency of five samplers to trap suspended particulate matter and microplastic particles of different sizes. Chemosphere, 2023, 338, 139479.	5.0	22

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19	Occurrence and distribution of emerging micropollutants in the central part of the German Bight. Marine Pollution Bulletin, 2023, 195, 115427.	3.4	8
20	Hydro-geomorphic perspectives on microplastic distribution in freshwater river systems: A critical review. Water Research, 2023, 245, 120567.	9.9	59
21	Challenges in the quantification of poly(ethylene terephthalate) microplastics via thermoanalytical methods posed by inorganic matrix components. Journal of Analytical and Applied Pyrolysis, 2023, 174, 106108.	4.8	34
22	Open-source feature detection for non-target LC–MS analytics. Rapid Communications in Mass Spectrometry, 2022, 36, .	1.1	19
23	Water Analysis: Emerging Contaminants and Current Issues. Analytical Chemistry, 2022, 94, 382-416.	5.2	219
24	Making waves: Time for chemical surface water quality monitoring to catch up with its technical potential. Water Research, 2022, 213, 118168.	9.9	29
25	Photoaging phenomena of biodegradable polybutylene succinate and conventional low density polyethylene by artificial weathering – A comparative surface study. Applied Surface Science, 2022, 590, 153058.	5.1	17
26	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.	4.8	69
27	Close-range remote sensing-based detection and identification of macroplastics on water assisted by artificial intelligence: A review. Water Research, 2022, 222, 118902.	9.9	62
28	Communication Breakdown: Into the Molecular Mechanism of Biofilm Inhibition by CeO2 Nanocrystal Enzyme Mimics and How It Can Be Exploited. ACS Nano, 2022, 16, 16091-16108.	11.5	41
29	Fate and behavior of progestogens in activated sludge treatment: Kinetics and transformation products. Water Research, 2021, 188, 116515.	9.9	25
30	Assessment of Full-Scale Indirect Potable Water Reuse in El Port de la Selva, Spain. Water (Switzerland), 2021, 13, 325.	2.0	7
31	Chemicals associated with biodegradable microplastic drive the toxicity to the freshwater oligochaete Lumbriculus variegatus. Aquatic Toxicology, 2021, 231, 105723.	3.5	65
32	Ozonation products of zidovudine and thymidine in oxidative water treatment. Water Research X, 2021, 11, 100090.	4.5	16
33	Enhanced in vitro toxicity of plastic leachates after UV irradiation. Water Research, 2021, 199, 117203.	9.9	85
34	UV aged epoxy coatings– Ecotoxicological effects and released compounds. Water Research X, 2021, 12, 100105.	4.5	30
35	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.	9.9	14
36	Micropollutant transformation and taxonomic composition in hybrid MBBR – A comparison of carrier-attached biofilm and suspended sludge. Water Research, 2021, 202, 117441.	9.9	65

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37	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.	4.8	59
38	Chloramination of iopamidol- and bromide-spiked waters containing natural organic matter. Water Science and Technology: Water Supply, 2021, 21, 886-898.	1.3	5
39	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. Rapid Communications in Mass Spectrometry, 2020, 34, .	1.1	22
40	Determination of non-extractable residues in soils: Towards a standardised approach. Environmental Pollution, 2020, 259, 113826.	5.1	39
41	Spatial distribution and temporal trends of pharmaceuticals sorbed to suspended particulate matter of German rivers. Water Research, 2020, 171, 115366.	9.9	80
42	Disinfection byproducts and halogen-specific total organic halogen speciation in chlorinated source waters – The impact of iopamidol and bromide. Journal of Environmental Sciences, 2020, 89, 90-101.	5.4	21
43	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.	2.8	23
44	Ozonation of Sitagliptin: Removal Kinetics and Elucidation of Oxidative Transformation Products. Environmental Science & Technology, 2020, 54, 10588-10598.	8.5	31
45	Trifluoroacetate in Precipitation: Deriving a Benchmark Data Set. Environmental Science & Technology, 2020, 54, 11210-11219.	8.5	88
46	Ecotoxicological characterization of emissions from steel coatings in contact with water. Water Research, 2020, 173, 115525.	9.9	24
47	New methodical approaches for the investigation of weathered epoxy resins used for corrosion protection of steel constructions. Journal of Hazardous Materials, 2020, 395, 122289.	7.8	24
48	Analysis of the aerobic biodegradation of glucocorticoids: Elucidation of the kinetics and transformation reactions. Water Research, 2020, 174, 115561.	9.9	34
49	Sediment water (interface) mobility of metal(loid)s and nutrients under undisturbed conditions and during resuspension. Journal of Hazardous Materials, 2020, 394, 122543.	7.8	31
50	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.	9.9	44
51	Under the radar – Exceptionally high environmental concentrations of the high production volume chemical sulfamic acid in the urban water cycle. Water Research, 2020, 175, 115706.	9.9	11
52	Does galvanic cathodic protection by aluminum anodes impact marine organisms?. Environmental Sciences Europe, 2020, 32, .	5.7	30
53	Benchmarking the in Vitro Toxicity and Chemical Composition of Plastic Consumer Products. Environmental Science & Technology, 2019, 53, 11467-11477.	8.5	412
54	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.	9.9	40

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55	Nontarget analysis: A new tool for the evaluation of wastewater processes. Water Research, 2019, 163, 114842.	9.9	48
56	High resolution mass spectrometry-based non-target screening can support regulatory environmental monitoring and chemicals management. Environmental Sciences Europe, 2019, 31, .	5.7	186
57	Quantification of microplastics in environmental samples via pressurized liquid extraction and pyrolysis-gas chromatography. Analytical and Bioanalytical Chemistry, 2019, 411, 6959-6968.	2.6	303
58	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.	9.9	40
59	What you extract is what you see: Optimising the preparation of water and wastewater samples for in vitro bioassays. Water Research, 2019, 152, 47-60.	9.9	70
60	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?. Water Research, 2019, 152, 274-284.	9.9	20
61	Biotransformation of organic micropollutants by anaerobic sludge enzymes. Water Research, 2019, 152, 202-214.	9.9	99
62	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.	5.6	13
63	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.	5.4	13
64	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.	9.9	73
65	Quaternary (triphenyl-) phosphonium compounds: Environmental behavior and toxicity. Water Research, 2018, 136, 207-219.	9.9	32
66	Effect-based and chemical analytical methods to monitor estrogens under the European Water Framework Directive. TrAC - Trends in Analytical Chemistry, 2018, 102, 225-235.	9.0	114
67	Comprehensive analysis of antagonistic endocrine activity during ozone treatment of hospital wastewater. Science of the Total Environment, 2018, 624, 1443-1454.	5.6	36
68	Transformation, CO2 formation and uptake of four organic micropollutants by carrier-attached microorganisms. Water Research, 2018, 141, 405-416.	9.9	33
69	Occurrence of Glucocorticoids, Mineralocorticoids, and Progestogens in Various Treated Wastewater, Rivers, and Streams. Environmental Science & Technology, 2018, 52, 5296-5307.	8.5	125
70	Formation of DBPs and halogen-specific TOX in the presence of iopamidol and chlorinated oxidants. Chemosphere, 2018, 202, 349-357.	5.0	20
71	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.	2.8	70
72	Water Analysis: Emerging Contaminants and Current Issues. Analytical Chemistry, 2018, 90, 398-428.	5.2	624

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73	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.	2.8	124
74	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.	2.2	3
75	Insights into the variability of microbial community composition and micropollutant degradation in diverse biological wastewater treatment systems. Water Research, 2018, 143, 313-324.	9.9	104
76	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.	8.5	32
77	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.	5.6	19
78	Anaerobic biodegradation of (emerging) organic contaminants in the aquatic environment. Water Research, 2017, 116, 268-295.	9.9	388
79	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.	3.5	11
80	Photodegradation of octylisothiazolinone and semi-field emissions from facade coatings. Scientific Reports, 2017, 7, .	2.7	48
81	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.	5.1	83
82	The impact of iodinated X-ray contrast agents on formation and toxicity of disinfection by-products in drinking water. Journal of Environmental Sciences, 2017, 58, 173-182.	5.4	62
83	Metal(loid) speciation and size fractionation in sediment pore water depth profiles examined with a new meso profiling system. Chemosphere, 2017, 179, 185-193.	5.0	14
84	Extended anaerobic conditions in the biological wastewater treatment: Higher reduction of toxicity compared to target organic micropollutants. Water Research, 2017, 116, 220-230.	9.9	58
85	Biodegradation of the artificial sweetener acesulfame in biological wastewater treatment and sandfilters. Water Research, 2017, 110, 342-353.	9.9	155
86	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.	8.5	70
87	High-resolution continuum source graphite furnace molecular absorption spectrometry compared with ion chromatography for quantitative determination of dissolved fluoride in river water samples. Analytical and Bioanalytical Chemistry, 2017, 409, 6949-6958.	2.6	17
88	Nontarget Analysis via LC-QTOF-MS to Assess the Release of Organic Substances from Polyurethane Coating. Environmental Science & Technology, 2017, 51, 9979-9988.	8.5	19
89	Leaching of Terbutryn and Its Photodegradation Products from Artificial Walls under Natural Weather Conditions. Environmental Science & Technology, 2016, 50, 4289-4295.	8.5	60
90	Tracing the limits of organic micropollutant removal in biological wastewater treatment. Water Research, 2016, 95, 240-249.	9.9	349

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91	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.	9.9	123
92	Effects of carbamazepine and two of its metabolites on the non-biting midge Chironomus riparius in a sediment full life cycle toxicity test. Water Research, 2016, 98, 19-27.	9.9	61
93	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.	9.9	219
94	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.	5.1	126
95	Transformation of diclofenac in hybrid biofilm–activated sludge processes. Water Research, 2016, 105, 559-567.	9.9	122
96	Metal and Metalloid Size-Fractionation Strategies in Spatial High-Resolution Sediment Pore Water Profiles. Environmental Science & Technology, 2016, 50, 9506-9514.	8.5	6
97	Identification of transformation products during advanced oxidation of diatrizoate: Effect of water matrix and oxidation process. Water Research, 2016, 103, 424-434.	9.9	20
98	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.	7.8	130
99	Exploring Trends of C and N Isotope Fractionation to Trace Transformation Reactions of Diclofenac in Natural and Engineered Systems. Environmental Science & Technology, 2016, 50, 10933-10942.	8.5	27
100	Evaluation of a membrane bioreactor system as post-treatment in waste water treatment for better removal of micropollutants. Water Research, 2016, 107, 37-46.	9.9	63
101	Ozonation of pyridine and other N-heterocyclic aromatic compounds: Kinetics, stoichiometry, identification of products and elucidation of pathways. Water Research, 2016, 102, 582-593.	9.9	55
102	Mainstream partial nitritation and anammox: long-term process stability and effluent quality at low temperatures. Water Research, 2016, 101, 628-639.	9.9	519
103	Phytotoxicity of wastewater-born micropollutants – Characterisation of three antimycotics and a cationic surfactant. Environmental Pollution, 2016, 208, 512-522.	5.1	45
104	New insights into the transformation of trimethoprim during biological wastewater treatment. Water Research, 2016, 88, 550-557.	9.9	116
105	Micropollutant degradation via extracted native enzymes from activated sludge. Water Research, 2016, 95, 348-360.	9.9	88
106	Application of stable isotopes and AF4/ICP-SFMS for simultaneous tracing and quantification of iron oxide nanoparticles in a sediment–slurry matrix. Journal of Analytical Atomic Spectrometry, 2016, 31, 890-901.	2.4	20
107	Advancing Biological Wastewater Treatment: Extended Anaerobic Conditions Enhance the Removal of Endocrine and Dioxin-like Activities. Environmental Science & Technology, 2016, 50, 10606-10615.	8.5	47
108	Comparative Toxicity of High-Molecular Weight Iopamidol Disinfection Byproducts. Environmental Science and Technology Letters, 2016, 3, 81-84.	4.8	53

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109	Ozonation of piperidine, piperazine and morpholine: Kinetics, stoichiometry, product formation and mechanistic considerations. Water Research, 2016, 88, 960-971.	9.9	33
110	Oxypurinol – A novel marker for wastewater contamination of the aquatic environment. Water Research, 2015, 74, 257-265.	9.9	60
111	Co-occurrence of Photochemical and Microbiological Transformation Processes in Open-Water Unit Process Wetlands. Environmental Science & Technology, 2015, 49, 14136-14145.	8.5	79
112	Toxification by Transformation in Conventional and Advanced Wastewater Treatment: The Antiviral Drug Acyclovir. Environmental Science and Technology Letters, 2015, 2, 342-346.	4.8	68
113	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. Journal of Chromatography A, 2015, 1426, 77-90.	2.8	87
114	Quaternary Triphenylphosphonium Compounds: A New Class of Environmental Pollutants. Environmental Science & Technology, 2015, 49, 14282-14291.	8.5	55
115	Electrochemical oxidation of tramadol in low-salinity reverse osmosis concentrates using boron-doped diamond anodes. Water Research, 2015, 72, 293-304.	9.9	41
116	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.	9.9	23
117	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.	8.5	14
118	A comparison of one-dimensional and microscale two-dimensional liquid chromatographic approaches coupled to high resolution mass spectrometry for the analysis of complex samples. Analytical Methods, 2015, 7, 7697-7706.	2.1	32
119	Spoilt for choice: A critical review on the chemical and biological assessment of current wastewater treatment technologies. Water Research, 2015, 87, 237-270.	9.9	300
120	Occurrence of venlafaxine, other antidepressants and selected metabolites in the Rhine catchment in the face of climate change. Environmental Pollution, 2015, 196, 247-256.	5.1	123
121	In Response: What are the challenges and prospects? An academic perspective. Environmental Toxicology and Chemistry, 2014, 33, 2408-2410.	2.1	4
122	Fraction-related quantification of silver nanoparticlesvia on-line species-unspecific post-channel isotope dilution in combination with asymmetric flow-field-flow fractionation (AF4)/sector field ICP-mass spectrometry (ICP-SF-MS). Journal of Analytical Atomic Spectrometry, 2014, 29, 287-296.	2.4	29
123	Quantification of long-term wastewater fluxes at the surface water/groundwater-interface: An integrative model perspective using stable isotopes and acesulfame. Science of the Total Environment, 2014, 466-467, 16-25.	5.6	30
124	Assessing the photochemical transformation pathways of acetaminophen relevant to surface waters: Transformation kinetics, intermediates, and modelling. Water Research, 2014, 53, 235-248.	9.9	125
125	Comparisons between abiotic nitration and biotransformation reactions of phenolic micropollutants in activated sludge. Water Research, 2014, 48, 478-489.	9.9	44
126	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.	9.9	156

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127	Transformation of Iopamidol during Chlorination. Environmental Science & Technology, 2014, 48, 12689-12697.	8.5	148
128	Removal of the Iodinated X-ray Contrast Medium Diatrizoate by Anaerobic Transformation. Environmental Science & Technology, 2014, 48, 10145-10154.	8.5	63
129	Reactive Transport of Iomeprol during Stream-Groundwater Interactions. Environmental Science & Technology, 2014, 48, 199-207.	8.5	25
130	Transformation of Biocides Irgarol and Terbutryn in the Biological Wastewater Treatment. Environmental Science & Technology, 2014, 48, 244-254.	8.5	40
131	New Microprofiling and Micro Sampling System for Water Saturated Environmental Boundary Layers. Environmental Science & Technology, 2014, 48, 8053-8061.	8.5	11
132	Results of an Interlaboratory Comparison of Analytical Methods for Contaminants of Emerging Concern in Water. Analytical Chemistry, 2014, 86, 774-782.	5.2	30
133	Transformation of Oxcarbazepine and Human Metabolites of Carbamazepine and Oxcarbazepine in Wastewater Treatment and Sand Filters. Environmental Science & Technology, 2014, 48, 10208-10216.	8.5	132
134	Water Analysis: Emerging Contaminants and Current Issues. Analytical Chemistry, 2014, 86, 2813-2848.	5.2	758
135	Electrochemical treatment of iopromide under conditions of reverse osmosis concentrates – Elucidation of the degradation pathway. Water Research, 2014, 48, 237-246.	9.9	60
136	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.	5.2	77
137	Ecotoxicity of climbazole, a fungicide contained in antidandruff shampoo. Environmental Toxicology and Chemistry, 2013, 32, 2816-2825.	2.1	83
138	Biotransformation of the UV-Filter Sulisobenzone: Challenges for the Identification of Transformation Products. Environmental Science & Technology, 2013, 47, 6819-6828.	8.5	29
139	Mitigation of Biocide and Fungicide Concentrations in Flow-Through Vegetated Stream Mesocosms. Journal of Environmental Quality, 2013, 42, 1889-1895.	3.4	15
140	Suitability of temperature, hydraulic heads, and acesulfame to quantify wastewater-related fluxes in the hyporheic and riparian zone. Water Resources Research, 2013, 49, 426-440.	3.9	54
141	Identification of Putative Steroid Receptor Antagonists in Bottled Water: Combining Bioassays and High-Resolution Mass Spectrometry. PLoS ONE, 2013, 8, e72472.	1.5	33
142	ICP-MS-based characterization of inorganic nanoparticles—sample preparation and off-line fractionation strategies. Analytical and Bioanalytical Chemistry, 2013, 406, 467-479.	2.6	127
143	Kinetic and Mechanistic Investigations of the Oxidation of Tramadol by Ferrate and Ozone. Environmental Science & Technology, 2012, 46, 876-884.	8.5	142
144	Oxidation of the Antiviral Drug Acyclovir and Its Biodegradation Product Carboxy-acyclovir with Ozone: Kinetics and Identification of Oxidation Products. Environmental Science & Technology, 2012, 46, 2169-2178.	8.5	115

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145	Formation of Toxic Iodinated Disinfection By-Products from Compounds Used in Medical Imaging. Environmental Science & Technology, 2011, 45, 6845-6854.	8.5	301
146	Occurrence of Iodinated X-ray Contrast Media and Their Biotransformation Products in the Urban Water Cycle. Environmental Science & Technology, 2011, 45, 8723-8732.	8.5	166
147	Elucidation of the Transformation Pathway of the Opium Alkaloid Codeine in Biological Wastewater Treatment. Environmental Science & Technology, 2011, 45, 3374-3385.	8.5	70
148	Water Analysis: Emerging Contaminants and Current Issues. Analytical Chemistry, 2011, 83, 4614-4648.	5.2	841
149	Biogenic metals for the oxidative and reductive removal of pharmaceuticals, biocides and iodinated contrast media in a polishing membrane bioreactor. Water Research, 2011, 45, 1763-1773.	9.9	109
150	Sorption of biocides, triazine and phenylurea herbicides, and UV-filters onto secondary sludge. Water Research, 2011, 45, 3638-3652.	9.9	49
151	Ecotoxicologial evaluation of wastewater ozonation based on detritus–detritivore interactions. Chemosphere, 2011, 82, 355-361.	5.0	29
152	Removal of antibiotics from urban wastewater by constructed wetland optimization. Chemosphere, 2011, 83, 713-719.	5.0	225
153	Biotransformation of the Antiviral Drugs Acyclovir and Penciclovir in Activated Sludge Treatment. Environmental Science & Technology, 2011, 45, 2761-2769.	8.5	120
154	The determination of the linear alkylbenzene sulfonate isomers in water samples by gas-chromatography/mass spectrometry. Journal of Chromatography A, 2011, 1218, 343-349.	2.8	31
155	Structural elucidation of main ozonation products of the artificial sweeteners cyclamate and acesulfame. Environmental Science and Pollution Research, 2011, 19, 1107-1118.	2.6	67
156	Environmental risk assessment of ivermectin: A case study. Integrated Environmental Assessment and Management, 2010, 6, 567-587.	2.0	155
157	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. Journal of Chromatography A, 2010, 1217, 2088-2103.	2.8	249
158	Antiviral Drugs in Wastewater and Surface Waters: A New Pharmaceutical Class of Environmental Relevance?. Environmental Science & Technology, 2010, 44, 1728-1735.	8.5	304
159	Fate of Beta Blockers in Aquatic-Sediment Systems: Sorption and Biotransformation. Environmental Science & Technology, 2010, 44, 962-970.	8.5	135
160	Biotransformation of Selected Iodinated X-ray Contrast Media and Characterization of Microbial Transformation Pathways. Environmental Science & Technology, 2010, 44, 4998-5007.	8.5	124
161	Effects of ivermectin-spiked cattle dung on a water–sediment system with the aquatic invertebrates Daphnia magna and Chironomus riparius. Aquatic Toxicology, 2010, 97, 304-313.	3.5	41
162	Assessing effects of the pharmaceutical ivermectin on meiobenthic communities using freshwater microcosms. Aquatic Toxicology, 2010, 99, 126-137.	3.5	68

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163	Diclofenac Oxidation by Biogenic Manganese Oxides. Environmental Science & Technology, 2010, 44, 3449-3454.	8.5	173
164	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.	5.2	41
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