Diana Aga

List of Publications by Year in descending order

174 papers	10,519 citations	31902 53 h-index	35952 97 g-index
178 all docs	178 docs citations	178 times ranked	10993 citing authors

#	Article	IF	Citations
1	Comparison of the occurrence of antibiotics in four full-scale wastewater treatment plants with varying designs and operations. Chemosphere, 2007, 68, 428-435.	4.2	437
2	Investigating the Molecular Interactions of Oxytetracycline in Clay and Organic Matter:Â Insights on Factors Affecting Its Mobility in Soil. Environmental Science & Technology, 2004, 38, 4097-4105.	4.6	433
3	Removal of Antibiotics in Wastewater:Â Effect of Hydraulic and Solid Retention Times on the Fate of Tetracycline in the Activated Sludge Process. Environmental Science & Technology, 2005, 39, 5816-5823.	4.6	428
4	Potential Ecological and Human Health Impacts of Antibiotics and Antibiotic-Resistant Bacteria from Wastewater Treatment Plants. Journal of Toxicology and Environmental Health - Part B: Critical Reviews, 2007, 10, 559-573.	2.9	374
5	Evaluating the vulnerability of surface waters to antibiotic contamination from varying wastewater treatment plant discharges. Environmental Pollution, 2006, 142, 295-302.	3.7	354
6	Lessons learned from more than two decades of research on emerging contaminants in the environment. Journal of Hazardous Materials, 2016, 316, 242-251.	6.5	322
7	Abundance of six tetracycline resistance genes in wastewater lagoons at cattle feedlots with different antibiotic use strategies. Environmental Microbiology, 2007, 9, 143-151.	1.8	297
8	Occurrence of sulfonamide antimicrobials in private water wells in Washington County, Idaho, USA. Chemosphere, 2006, 64, 1963-1971.	4.2	267
9	Humic Acid-Induced Silver Nanoparticle Formation Under Environmentally Relevant Conditions. Environmental Science & Technology, 2011, 45, 3895-3901.	4.6	265
10	Pharmaceutical metabolites in the environment: Analytical challenges and ecological risks. Environmental Toxicology and Chemistry, 2009, 28, 2473-2484.	2.2	262
11	EVALUATING THE BIODEGRADABILITY OF SULFAMETHAZINE, SULFAMETHOXAZOLE, SULFATHIAZOLE, AND TRIMETHOPRIM AT DIFFERENT STAGES OF SEWAGE TREATMENT. Environmental Toxicology and Chemistry, 2005, 24, 1361.	2.2	254
12	Enhanced Biodegradation of Iopromide and Trimethoprim in Nitrifying Activated Sludge. Environmental Science & Technology, 2006, 40, 7367-7373.	4.6	239
13	Toward a Comprehensive Strategy to Mitigate Dissemination of Environmental Sources of Antibiotic Resistance. Environmental Science & Technology, 2017, 51, 13061-13069.	4.6	236
14	Simultaneous Analysis of Multiple Classes of Antibiotics by Ion Trap LC/MS/MS for Assessing Surface Water and Groundwater Contamination. Analytical Chemistry, 2005, 77, 2940-2947.	3.2	230
15	Elucidating the Relative Roles of Ammonia Oxidizing and Heterotrophic Bacteria during the Biotransformation of 17Î±-Ethinylestradiol and Trimethoprim. Environmental Science & Technology, 2011, 45, 3605-3612.	4.6	178
16	Determination of the Persistence of Tetracycline Antibiotics and Their Degradates in Manure-Amended Soil Using Enzyme-Linked Immunosorbent Assay and Liquid Chromatographyâ^'Mass Spectrometry. Journal of Agricultural and Food Chemistry, 2005, 53, 7165-7171.	2.4	177
17	Assessing antibiotic sorption in soil: a literature review and new case studies on sulfonamides and macrolides. Chemistry Central Journal, 2014, 8, 5.	2.6	174
18	Selective Uptake and Bioaccumulation of Antidepressants in Fish from Effluent-Impacted Niagara River. Environmental Science & Technology, 2017, 51, 10652-10662.	4.6	166

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19	Analysis of tetracycline antibiotics in soil: Advances in extraction, clean-up, and quantification. TrAC - Trends in Analytical Chemistry, 2007, 26, 456-465.	5.8	141
20	Enhanced Biodegradation of Carbamazepine after UV/H₂O₂ Advanced Oxidation. Environmental Science & Technology, 2012, 46, 6222-6227.	4.6	141
21	Application of ELISA in determining the fate of tetracyclines in land-applied livestock wastes. Analyst, The, 2003, 128, 658.	1.7	140
22	Investigating uptake of water-dispersible CdSe/ZnS quantum dot nanoparticles by Arabidopsis thaliana plants. Journal of Hazardous Materials, 2012, 211-212, 427-435.	6.5	134
23	Biotransformation of pharmaceuticals under nitrification, nitratation and heterotrophic conditions. Science of the Total Environment, 2016, 541, 1439-1447.	3.9	125
24	Determination of potential sources of PCBs and PBDEs in sediments of the Niagara River. Environmental Pollution, 2006, 139, 489-497.	3.7	119
25	Invited review: Fate of antibiotic residues, antibiotic-resistant bacteria, and antibiotic resistance genes in US dairy manure management systems. Journal of Dairy Science, 2020, 103, 1051-1071.	1.4	112
26	Occurrence of Alachlor and Its Sulfonated Metabolite in Rivers and Reservoirs of the Midwestern United States:Â The Importance of Sulfonation in the Transport of Chloroacetanilide Herbicides. Environmental Science & Technology, 1996, 30, 569-574.	4.6	111
27	Occurrence and transformation of veterinary antibiotics and antibiotic resistance genes in dairy manure treated by advanced anaerobic digestion and conventional treatment methods. Environmental Pollution, 2018, 236, 764-772.	3.7	110
28	Application of Ion Trap-MS with H/D Exchange and QqTOF-MS in the Identification of Microbial Degradates of Trimethoprim in Nitrifying Activated Sludge. Analytical Chemistry, 2005, 77, 4176-4184.	3.2	104
29	Chlortetracycline Detoxification in Maize via Induction of GlutathioneS-Transferases after Antibiotic Exposure. Environmental Science & Technology, 2007, 41, 1450-1456.	4.6	99
30	Tetracycline as a selector for resistant bacteria in activated sludge. Chemosphere, 2007, 66, 1643-1651.	4.2	98
31	Applications of metabolomics in assessing ecological effects of emerging contaminants and pollutants on plants. Journal of Hazardous Materials, 2019, 373, 527-535.	6.5	95
32	Challenges in the Measurement of Antibiotics and in Evaluating Their Impacts in Agroecosystems: A Critical Review. Journal of Environmental Quality, 2016, 45, 407-419.	1.0	94
33	Structural Characterization of Metabolites of the X-ray Contrast Agent Iopromide in Activated Sludge Using Ion Trap Mass Spectrometry. Analytical Chemistry, 2006, 78, 1866-1874.	3.2	91
34	Biotransformation of BDE-47 to Potentially Toxic Metabolites Is Predominantly Mediated by Human CYP2B6. Environmental Health Perspectives, 2013, 121, 440-446.	2.8	82
35	Assessing pharmaceutical removal and reduction in toxicity provided by advanced wastewater treatment systems. Environmental Science: Water Research and Technology, 2020, 6, 62-77.	1.2	81
36	A review of recent studies on toxicity, sequestration, and degradation of per- and polyfluoroalkyl substances (PFAS). Journal of Hazardous Materials, 2022, 436, 129120.	6.5	81

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37	Identification of a New Sulfonic Acid Metabolite of Metolachlor in Soil. Environmental Science & Technology, 1996, 30, 592-597.	4.6	79
38	Formation and Transport of the Sulfonic Acid Metabolites of Alachlor and Metolachlor in Soil. Environmental Science & Technology, 2001, 35, 2455-2460.	4.6	79
39	Determination of Alachlor and Its Sulfonic Acid Metabolite in Water by Solid-Phase Extraction and Enzyme-Linked Immunosorbent Assay. Analytical Chemistry, 1994, 66, 1495-1499.	3.2	77
40	Retrospective analysis of the global antibiotic residues that exceed the predicted no effect concentration for antimicrobial resistance in various environmental matrices. Environment International, 2020, 141, 105796.	4.8	77
41	A systematic investigation to optimize simultaneous extraction and liquid chromatography tandem mass spectrometry analysis of estrogens and their conjugated metabolites in milk. Journal of Chromatography A, 2010, 1217, 4784-4795.	1.8	74
42	Human Liver Microsome-Mediated Metabolism of Brominated Diphenyl Ethers 47, 99, and 153 and Identification of Their Major Metabolites. Chemical Research in Toxicology, 2009, 22, 1802-1809.	1.7	72
43	Effect of redox conditions on pharmaceutical loss during biological wastewater treatment using sequencing batch reactors. Journal of Hazardous Materials, 2015, 282, 106-115.	6.5	67
44	Antibiotics in Agroecosystems: Introduction to the Special Section. Journal of Environmental Quality, 2016, 45, 377-393.	1.0	67
45	Isomer separation of polybrominated diphenyl ether metabolites using nanoESI-TIMS-MS. International Journal for Ion Mobility Spectrometry, 2016, 19, 69-76.	1.4	63
46	Natural Organic Matter-Mediated Phase Transfer of Quantum Dots in the Aquatic Environment. Environmental Science & Technology, 2009, 43, 677-682.	4.6	62
47	Review on the fate of antimicrobials, antimicrobial resistance genes, and other micropollutants in manure during enhanced anaerobic digestion and composting. Journal of Hazardous Materials, 2021, 405, 123634.	6.5	62
48	Identification of a Photooxygenation Product of Chlortetracycline in Hog Lagoons Using LC/ESI-Ion Trap-MS and LC/ESI-Time-of-Flight-MS. Analytical Chemistry, 2004, 76, 6002-6011.	3.2	61
49	Characterization of Metabolites Formed During the Biotransformation of 17Î±-Ethinylestradiol by <i>Nitrosomonas europaea</i> in Batch and Continuous Flow Bioreactors. Environmental Science & Technology, 2009, 43, 3549-3555.	4.6	60
50	Simultaneous Analysis of Free and Conjugated Estrogens, Sulfonamides, and Tetracyclines in Runoff Water and Soils Using Solid-Phase Extraction and Liquid Chromatographyâ^'Tandem Mass Spectrometry. Journal of Agricultural and Food Chemistry, 2011, 59, 2213-2222.	2.4	60
51	Free and Conjugated Estrogen Exports in Surfaceâ€Runoff from Poultry Litterâ€“Amended Soil. Journal of Environmental Quality, 2010, 39, 1688-1698.	1.0	57
52	Uptake and transformations of engineered nanomaterials: Critical responses observed in terrestrial plants and the model plant Arabidopsis thaliana. Science of the Total Environment, 2017, 607-608, 1497-1516.	3.9	56
53	Metagenomic profiling of historic Colorado Front Range flood impact on distribution of riverine antibiotic resistance genes. Scientific Reports, 2016, 6, 38432.	1.6	55
54	Prevalence of per- and polyfluoroalkyl substances (PFASs) in drinking and source water from two Asian countries. Chemosphere, 2020, 256, 127115.	4.2	54

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55	Micropollutant Fate in Wastewater Treatment: Redefining â€œRemovalâ€• Environmental Science & Technology, 2012, 46, 10485-10486.	4.6	53
56	Cd Tolerance and Accumulation in the Aquatic Macrophyte,Chara australis: Potential Use for Charophytes in Phytoremediation. Environmental Science & Technology, 2011, 45, 5332-5338.	4.6	52
57	Recent advances in the sample preparation, liquid chromatography tandem mass spectrometric analysis and environmental fate of microcystins in water. TrAC - Trends in Analytical Chemistry, 2005, 24, 658-670.	5.8	50
58	Factors impacting biotransformation kinetics of trace organic compounds in lab-scale activated sludge systems performing nitrification and denitrification. Journal of Hazardous Materials, 2015, 282, 116-124.	6.5	49
59	Comparison of GC-MS/MS and LC-MS/MS for the analysis of hormones and pesticides in surface waters: advantages and pitfalls. Analytical Methods, 2019, 11, 1436-1448.	1.3	49
60	Retrospective suspect screening reveals previously ignored antibiotics, antifungal compounds, and metabolites in Bangladesh surface waters. Science of the Total Environment, 2020, 712, 136285.	3.9	49
61	Evaluation of Metagenomic-Enabled Antibiotic Resistance Surveillance at a Conventional Wastewater Treatment Plant. Frontiers in Microbiology, 2021, 12, 657954.	1.5	46
62	Data Analytics for Environmental Science and Engineering Research. Environmental Science & Technology, 2021, 55, 10895-10907.	4.6	44
63	Urine Bacterial Community Convergence through Fertilizer Production: Storage, Pasteurization, and Struvite Precipitation. Environmental Science & Technology, 2016, 50, 11619-11626.	4.6	42
64	Towards a harmonized method for the global reconnaissance of multi-class antimicrobials and other pharmaceuticals in wastewater and receiving surface waters. Environment International, 2019, 124, 361-369.	4.8	42
65	Types of garlic and their anticancer and antioxidant activity: a review of the epidemiologic and experimental evidence. European Journal of Nutrition, 2021, 60, 3585-3609.	1.8	41
66	Sulfonic and Oxanilic Acid Metabolites of Acetanilide Herbicides:Â Separation of Diastereomers and Enantiomers by Capillary Zone Electrophoresis and Identification by1H NMR Spectroscopy. Environmental Science & Technology, 1999, 33, 3462-3468.	4.6	39
67	Enantiomeric separation of metolachlor and its metabolites using LCâ€“MS and CZE. Chemosphere, 2006, 62, 1591-1599.	4.2	39
68	Application of Metabolite Profiling Tools and Time-of-Flight Mass Spectrometry in the Identification of Transformation Products of Iopromide and Iopamidol during Advanced Oxidation. Environmental Science & Technology, 2015, 49, 2983-2990.	4.6	39
69	Enhancing Extraction and Detection of Veterinary Antibiotics in Solid and Liquid Fractions of Manure. Journal of Environmental Quality, 2016, 45, 471-479.	1.0	39
70	Trace Analysis of Polar Pharmaceuticals in Wastewater by LC-MS-MS: Comparison of Membrane Bioreactor and Activated Sludge Systems. Journal of Chromatographic Science, 2009, 47, 19-25.	0.7	37
71	Trends in Antimicrobial Resistance Genes in Manure Blend Pits and Long-Term Storage Across Dairy Farms with Comparisons to Antimicrobial Usage and Residual Concentrations. Environmental Science & Technology, 2019, 53, 2405-2415.	4.6	37
72	Analysis of hydroxylated polybrominated diphenyl ether metabolites by liquid chromatography/atmospheric pressure chemical ionization tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2010, 24, 2227-2235.	0.7	36

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73	Trophic transfer of flame retardants (PBDEs) in the food web of Lake Erie. Canadian Journal of Fisheries and Aquatic Sciences, 2015, 72, 1886-1896.	0.7	35
74	PCB and PBDE levels in wild common carp (Cyprinus carpio) from eastern Lake Erie. Chemosphere, 2010, 81, 541-547.	4.2	34
75	Addressing the challenges of tetracycline analysis in soil: extraction, clean-up, and matrix effects in LC-MS. Journal of Environmental Monitoring, 2007, 9, 1254.	2.1	33
76	Combined effects of cadmium and zinc on growth, tolerance, and metal accumulation in Chara australis and enhanced phytoextraction using EDTA. Ecotoxicology and Environmental Safety, 2013, 98, 236-243.	2.9	33
77	Chemical and biological assessment of endocrine disrupting chemicals in a full scale dairy manure anaerobic digester with thermal pretreatment. Science of the Total Environment, 2016, 550, 827-834.	3.9	32
78	Differences in Soil Mobility and Degradability between Water-Dispersible CdSe and CdSe/ZnS Quantum Dots. Environmental Science & Technology, 2011, 45, 6343-6349.	4.6	31
79	Lipidomics reveals insights on the biological effects of copper oxide nanoparticles in a human colon carcinoma cell line. Molecular Omics, 2019, 15, 30-38.	1.4	31
80	Primary Role of Cytochrome P450 2B6 in the Oxidative Metabolism of 2,2â€²,4,4â€²,6-Pentabromodiphenyl Ether (BDE-100) to Hydroxylated BDEs. Chemical Research in Toxicology, 2015, 28, 672-681.	1.7	30
81	Biodegradability of iopromide products after UV/H2O2 advanced oxidation. Chemosphere, 2016, 144, 989-994.	4.2	30
82	Fate of tetracycline resistant bacteria as a function of activated sludge process organic loading and growth rate. Water Science and Technology, 2007, 55, 291-297.	1.2	29
83	Identification of Polybrominated Diphenyl Ether Metabolites Based on Calculated Boiling Points from COSMO-RS, Experimental Retention Times, and Mass Spectral Fragmentation Patterns. Analytical Chemistry, 2015, 87, 2299-2305.	3.2	29
84	Potential use of capillary zone electrophoresis in size characterization of quantum dots for environmental studies. TrAC - Trends in Analytical Chemistry, 2011, 30, 113-122.	5.8	28
85	Partitioning of hydrophobic CdSe quantum dots into aqueous dispersions of humic substances: Influence of capping-group functionality on the phase-transfer mechanism. Journal of Colloid and Interface Science, 2010, 348, 119-128.	5.0	27
86	Study on the Effects of Humic and Fulvic Acids on Quantum Dot Nanoparticles Using Capillary Electrophoresis with Laser-Induced Fluorescence Detection. Environmental Science & Technology, 2011, 45, 2917-2924.	4.6	27
87	Analytical performance of a triple quadrupole mass spectrometer compared to a high resolution mass spectrometer for the analysis of polybrominated diphenyl ethers in fish. Analytica Chimica Acta, 2012, 747, 67-75.	2.6	27
88	Demonstrating a Comprehensive Wastewater-Based Surveillance Approach That Differentiates Globally Sourced Resistomes. Environmental Science & Technology, 2022, 56, 14982-14993.	4.6	27
89	Concentrations of Free and Conjugated Estrogens at Different Landscape Positions in an Agricultural Watershed Receiving Poultry Litter. Water, Air, and Soil Pollution, 2012, 223, 2821-2836.	1.1	26
90	Method development for the analysis of ionophore antimicrobials in dairy manure to assess removal within a membrane-based treatment system. Chemosphere, 2018, 197, 271-279.	4.2	26

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91	Interactive Influence ofN6AMT1andAs3MTGenetic Variations on Arsenic Metabolism in the Population of Inner Mongolia, China. Toxicological Sciences, 2017, 155, 124-134.	1.4	25
92	Development of a rapid biolistic assay to determine changes in relative levels of intracellular calcium in leaves following tetracycline uptake by pinto bean plants. Analyst, The, 2009, 134, 1594.	1.7	24
93	â€œOne-shotâ€•analysis of polybrominated diphenyl ethers and their hydroxylated and methoxylated analogs in human breast milk and serum using gas chromatography-tandem mass spectrometry. Analytica Chimica Acta, 2015, 892, 140-147.	2.6	24
94	Review on the occurrence and profiles of polybrominated diphenyl ethers in the Philippines. Environment International, 2015, 85, 314-326.	4.8	24
95	Wrong-Way-Round Ionization of Sulfonamides and Tetracyclines Enables Simultaneous Analysis with Free and Conjugated Estrogens by Liquid Chromatography Tandem Mass Spectrometry. Analytical Chemistry, 2011, 83, 269-277.	3.2	23
96	Transformation of ionophore antimicrobials in poultry litter during pilot-scale composting. Environmental Pollution, 2016, 212, 392-400.	3.7	23
97	Assessing uptake of antimicrobials by Zea mays L. and prevalence of antimicrobial resistance genes in manure-fertilized soil. Science of the Total Environment, 2019, 646, 409-415.	3.9	23
98	Adsorption and advanced oxidation of diverse pharmaceuticals and personal care products (PPCPs) from water using highly efficient rGOâ€“nZVI nanohybrids. Environmental Science: Water Research and Technology, 2020, 6, 2223-2238.	1.2	22
99	Simultaneous Quantification of Acetanilide Herbicides and Their Oxanilic and Sulfonic Acid Metabolites in Natural Waters. Analytical Chemistry, 2000, 72, 840-845.	3.2	21
100	Toxicity and Reductions in Intracellular Calcium Levels Following Uptake of a Tetracycline Antibiotic in Arabidopsis. Environmental Science & Technology, 2011, 45, 8958-8964.	4.6	21
101	Mass spectrometry-based metabolomics to assess uptake of silver nanoparticles by Arabidopsis thaliana. Environmental Science: Nano, 2017, 4, 1944-1953.	2.2	21
102	The effect of manganese exposure in Atp13a2-deficient mice. NeuroToxicology, 2018, 64, 256-266.	1.4	21
103	Trace metals, PAHs, and PCBs in sediments from the Jobos Bay area in Puerto Rico. Marine Pollution Bulletin, 2010, 60, 1350-1358.	2.3	20
104	Synthesis and evaluation of tetracycline imprinted xerogels: Comparison of experiment and computational modeling. Analytica Chimica Acta, 2011, 684, 72-80.	2.6	20
105	Development of a liquid chromatographyâ€“electrospray chemical ionization tandem mass spectrometry analytical method for analysis of eleven hydroxylated polybrominated diphenyl ethers. Journal of Chromatography A, 2013, 1301, 80-87.	1.8	20
106	Increased coverage and high confidence in suspect screening of emerging contaminants in global environmental samples. Journal of Hazardous Materials, 2021, 414, 125369.	6.5	20
107	Toxicity profile of organic extracts from Magdalena River sediments. Environmental Science and Pollution Research, 2018, 25, 1519-1532.	2.7	19
108	Establishing Analytical Performance Criteria for the Global Reconnaissance of Antibiotics and Other Pharmaceutical Residues in the Aquatic Environment Using Liquid Chromatography-Tandem Mass Spectrometry. Journal of Analytical Methods in Chemistry, 2018, 2018, 1-9.	0.7	19

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109	High-resolution mass spectrometry-based metabolomics reveal the disruption of jasmonic pathway in Arabidopsis thaliana upon copper oxide nanoparticle exposure. Science of the Total Environment, 2019, 693, 133443.	3.9	19
110	Catching flame retardants and pesticides in silicone wristbands: Evidence of exposure to current and legacy pollutants in Uruguayan children. Science of the Total Environment, 2020, 740, 140136.	3.9	19
111	Tetracycline speciation during molecular imprinting in xerogels results in class-selective binding. Analyst, The, 2011, 136, 749-755.	1.7	18
112	Total and class-specific analysis of per- and polyfluoroalkyl substances in environmental samples using nuclear magnetic resonance spectroscopy. Journal of Hazardous Materials Letters, 2021, 2, 100023.	2.0	18
113	Global antimicrobial resistance: a complex and dire threat with few definite answers. Tropical Medicine and International Health, 2019, 24, 658-662.	1.0	17
114	Catching the elusive persistent and mobile organic compounds: Novel sample preparation and advanced analytical techniques. Trends in Environmental Analytical Chemistry, 2020, 25, e00078.	5.3	17
115	Quantum dots exhibit less bioaccumulation than free cadmium and selenium in the earthworm Eisenia andrei. Environmental Toxicology and Chemistry, 2013, 32, 1288-1294.	2.2	16
116	Determination of Total Arsenic and Speciation in Apple Juice by Liquid Chromatographyâ€“Inductively Coupled Plasma Mass Spectrometry: An Experiment for the Analytical Chemistry Laboratory. Journal of Chemical Education, 2016, 93, 1939-1944.	1.1	16
117	Optimized suspect screening approach for a comprehensive assessment of the impact of best management practices in reducing micropollutants transport in the Potomac River watershed. Water Research X, 2021, 11, 100088.	2.8	16
118	Analysis of hydroxylated polybrominated diphenyl ethers (OH-BDEs) by supercritical fluid chromatography/mass spectrometry. Talanta, 2016, 161, 122-129.	2.9	15
119	A Self-Assembled Iron(II) Metallacage as a Trap for Per- and Polyfluoroalkyl Substances in Water. Inorganic Chemistry, 2020, 59, 6697-6708.	1.9	15
120	Evidence that watershed nutrient management practices effectively reduce estrogens in environmental waters. Science of the Total Environment, 2021, 758, 143904.	3.9	15
121	Complementing RNA Detection with Pharmaceutical Monitoring for Early Warning of Viral Outbreaks through Wastewater-Based Epidemiology. Environmental Science and Technology Letters, 2022, 9, 567-574.	3.9	15
122	Dissolved Organic Carbon and Estrogen Transport in Surface Runoff From Agricultural Land Receiving Poultry Litter¹. Journal of the American Water Resources Association, 2012, 48, 558-569.	1.0	14
123	Optimizing extraction and analysis of pharmaceuticals in human urine, struvite, food crops, soil, and lysimeter water by liquid chromatography-tandem mass spectrometry. Analytical Methods, 2017, 9, 5952-5962.	1.3	14
124	Optimized workflow for unknown screening using gas chromatography highâ€resolution mass spectrometry expands identification of contaminants in silicone personal passive samplers. Rapid Communications in Mass Spectrometry, 2021, 35, e9048.	0.7	14
125	Characterization of moenomycin antibiotics from medicated chicken feed by ion-trap mass spectrometry with electrospray ionization. Rapid Communications in Mass Spectrometry, 2005, 19, 2179-2186.	0.7	13
126	Retention of polybrominated diphenyl ethers and hydroxylated metabolites in paired human serum and milk in relation to CYP2B6 genotype. Journal of Hazardous Materials, 2020, 386, 121904.	6.5	13

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127	Feeding composition and sludge retention time both affect (co-)metabolic biotransformation of pharmaceutical compounds in activated sludge systems. Journal of Environmental Chemical Engineering, 2021, 9, 105123.	3.3	13
128	Determination of enzyme kinetics and glutathione conjugates of chlortetracycline and chloroacetanilides using liquid chromatographyâ€“mass spectrometry. Analyst, The, 2007, 132, 664-671.	1.7	12
129	Integrative Advanced Oxidation and Biofiltration for Treating Pharmaceuticals in Wastewater. Water Environment Research, 2016, 88, 1985-1993.	1.3	12
130	Mechanisms of interaction between persistent organic pollutants (POPs) and CYP2B6: An in silico approach. Chemosphere, 2016, 159, 113-125.	4.2	12
131	Impacts of Sex and Exposure Duration on Gene Expression in Zebrafish Following Perfluorooctane Sulfonate Exposure. Environmental Toxicology and Chemistry, 2020, 39, 437-449.	2.2	12
132	Efficient workflow for suspect screening analysis to characterize novel and legacy per- and polyfluoroalkyl substances (PFAS) in biosolids. Analytical and Bioanalytical Chemistry, 2022, 414, 4497-4507.	1.9	12
133	Characterization of glutathione conjugates of chloroacetanilide pesticides using ultraâ€performance liquid chromatography/quadrupole timeâ€ofâ€flight mass spectrometry and liquid chromatography/ion trap mass spectrometry. Rapid Communications in Mass Spectrometry, 2007, 21, 4017-4022.	0.7	11
134	Spatial distribution of pesticides, organochlorine compounds, PBDEs, and metals in surface marine sediments from Cartagena Bay, Colombia. Environmental Science and Pollution Research, 2021, 28, 14632-14653.	2.7	11
135	Endogenous concentrations of biologically relevant metals in rat brain and cochlea determined by inductively coupled plasma mass spectrometry. BioMetals, 2015, 28, 187-196.	1.8	10
136	Mass spectrometry based detection of common vitellogenin peptides across fish species for assessing exposure to estrogenic compounds in aquatic environments. Science of the Total Environment, 2019, 646, 400-408.	3.9	10
137	Resolving unknown isomers of emerging per- and polyfluoroalkyl substances (PFASs) in environmental samples using COSMO-RS-derived retention factor and mass fragmentation patterns. Journal of Hazardous Materials, 2021, 402, 123478.	6.5	10
138	Comprehensive assessment of chemical residues in surface and wastewater using passive sampling, chemical, biological, and fish behavioral assays. Science of the Total Environment, 2022, 828, 154176.	3.9	10
139	Partitioning behavior and stabilization of hydrophobically coated HfO2, ZrO2 and HfxZr1â^'xO2 nanoparticles with natural organic matter reveal differences dependent on crystal structure. Journal of Hazardous Materials, 2011, 196, 302-310.	6.5	9
140	Analysis of trace organic pollutants in wastewater to assess biodegradation using wrongâ€wayâ€round ionization in liquid chromatography/tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2014, 28, 1265-1272.	0.7	9
141	Mass spectrometry-based metabolomics of value-added biochemicals from Ettlia oleoabundans. Algal Research, 2016, 19, 146-154.	2.4	9
142	Binding of iodinated contrast media (ICM) and their transformation products with hormone receptors: Are ICM the new EDCs?. Science of the Total Environment, 2019, 692, 32-36.	3.9	9
143	GMDTC Chelating Agent Attenuates Cisplatin-Induced Systemic Toxicity without Affecting Antitumor Efficacy. Chemical Research in Toxicology, 2019, 32, 1572-1582.	1.7	9
144	Redox-active rGO-nZVI nanohybrid-catalyzed chain shortening of perfluorooctanoic acid (PFOA) and perfluorooctane sulfonic acid (PFOS). Journal of Hazardous Materials Letters, 2021, 2, 100007.	2.0	9

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145	Tetracycline, sulfadimethoxine, and antibiotic resistance gene dynamics during anaerobic digestion of dairy manure. Journal of Environmental Quality, 2021, 50, 694-705.	1.0	9
146	Determination of the antimicrobial growth promoter moenomycin-A in chicken litter. Journal of Chromatography A, 2007, 1175, 234-241.	1.8	8
147	Cellular Interactions and Fatty Acid Transporter CD36-Mediated Uptake of Per- and Polyfluorinated Alkyl Substances (PFAS). Chemical Research in Toxicology, 2022, 35, 694-702.	1.7	8
148	Statewide Survey of Hormones and Antibiotics in Surface Waters of Delaware. Journal of the American Water Resources Association, 2013, 49, 463-474.	1.0	7
149	In Vitro and In Vivo Assessment of Aqueously Extractable Estrogens in Poultry Manure after Pilotâ€scale Composting. Journal of Environmental Quality, 2017, 46, 614-622.	1.0	7
150	Evidence of continued exposure to legacy persistent organic pollutants in threatened migratory common terns nesting in the Great Lakes. Environment International, 2020, 144, 106065.	4.8	7
151	In Silico Supported Nontarget Analysis of Contaminants of Emerging Concern: Increasing Confidence in Unknown Identification in Wastewater and Surface Waters. ACS ES&T Water, 2021, 1, 1765-1775.	2.3	7
152	Mineralization and Biotransformation of Estrone in Simulated Poultry Litter and Cow Manure Runoff Water. Journal of Environmental Quality, 2019, 48, 1120-1125.	1.0	6
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