

# Diana Aga

## List of Publications by Year in descending order

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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	Contaminants in Water. ACS in Focus, 2022, , .	0.4	0
2	Ceramide-1-Phosphate Is Involved in Therapy-Induced Senescence. ACS Chemical Biology, 2022, 17, 822-828.	1.6	2
3	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
4	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
5	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
6	Endocrine Therapy-Resistant Breast Cancer Cells Are More Sensitive to Ceramide Kinase Inhibition and Elevated Ceramide Levels Than Therapy-Sensitive Breast Cancer Cells. Cancers, 2022, 14, 2380.	1.7	4
7	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
8	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
9	Development of a Liquid Chromatography–Mass Spectrometry-Based In Vitro Assay to Assess Changes in Steroid Hormones Due to Exposure to Per- and Polyfluoroalkyl Substances. Chemical Research in Toxicology, 2022, 35, 1277-1288.	1.7	3
10	Demonstrating a Comprehensive Wastewater-Based Surveillance Approach That Differentiates Globally Sourced Resistomes. Environmental Science & Technology, 2022, 56, 14982-14993.	4.6	27
11	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
12	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
13	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
14	On-farm screw press and rotary drum treatment of dairy manure-associated antibiotic residues and resistance. Journal of Environmental Quality, 2021, 50, 134-143.	1.0	2
15	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
16	Increasing accuracy of field-scale studies to investigate plant uptake and soil dissipation of pharmaceuticals. Analytical Methods, 2021, 13, 3077-3085.	1.3	1
17	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
18	Optimized workflow for unknown screening using gas chromatography high-resolution mass spectrometry expands identification of contaminants in silicone personal passive samplers. Rapid Communications in Mass Spectrometry, 2021, 35, e9048.	0.7	14

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19	Evidence that watershed nutrient management practices effectively reduce estrogens in environmental waters. <i>Science of the Total Environment</i> , 2021, 758, 143904.	3.9	15
20	Effects of On-Farm Dairy Manure Composting on Tetracycline Content and Nutrient Composition. <i>Antibiotics</i> , 2021, 10, 443.	1.5	3
21	Feeding composition and sludge retention time both affect (co-)metabolic biotransformation of pharmaceutical compounds in activated sludge systems. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105123.	3.3	13
22	Evaluation of Metagenomic-Enabled Antibiotic Resistance Surveillance at a Conventional Wastewater Treatment Plant. <i>Frontiers in Microbiology</i> , 2021, 12, 657954.	1.5	46
23	Optimized suspect screening approach for a comprehensive assessment of the impact of best management practices in reducing micropollutants transport in the Potomac River watershed. <i>Water Research X</i> , 2021, 11, 100088.	2.8	16
24	Tetracycline, sulfadimethoxine, and antibiotic resistance gene dynamics during anaerobic digestion of dairy manure. <i>Journal of Environmental Quality</i> , 2021, 50, 694-705.	1.0	9
25	Increased coverage and high confidence in suspect screening of emerging contaminants in global environmental samples. <i>Journal of Hazardous Materials</i> , 2021, 414, 125369.	6.5	20
26	Data Analytics for Environmental Science and Engineering Research. <i>Environmental Science &amp; Technology</i> , 2021, 55, 10895-10907.	4.6	44
27	In Silico Supported Nontarget Analysis of Contaminants of Emerging Concern: Increasing Confidence in Unknown Identification in Wastewater and Surface Waters. <i>ACS ES&amp;T Water</i> , 2021, 1, 1765-1775.	2.3	7
28	Total and class-specific analysis of per- and polyfluoroalkyl substances in environmental samples using nuclear magnetic resonance spectroscopy. <i>Journal of Hazardous Materials Letters</i> , 2021, 2, 100023.	2.0	18
29	Impacts of Sex and Exposure Duration on Gene Expression in Zebrafish Following Perfluorooctane Sulfonate Exposure. <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 437-449.	2.2	12
30	Assessing pharmaceutical removal and reduction in toxicity provided by advanced wastewater treatment systems. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 62-77.	1.2	81
31	Retention of polybrominated diphenyl ethers and hydroxylated metabolites in paired human serum and milk in relation to CYP2B6 genotype. <i>Journal of Hazardous Materials</i> , 2020, 386, 121904.	6.5	13
32	Retrospective suspect screening reveals previously ignored antibiotics, antifungal compounds, and metabolites in Bangladesh surface waters. <i>Science of the Total Environment</i> , 2020, 712, 136285.	3.9	49
33	Invited review: Fate of antibiotic residues, antibiotic-resistant bacteria, and antibiotic resistance genes in US dairy manure management systems. <i>Journal of Dairy Science</i> , 2020, 103, 1051-1071.	1.4	112
34	Catching the elusive persistent and mobile organic compounds: Novel sample preparation and advanced analytical techniques. <i>Trends in Environmental Analytical Chemistry</i> , 2020, 25, e00078.	5.3	17
35	A Self-Assembled Iron(II) Metallacage as a Trap for Per- and Polyfluoroalkyl Substances in Water. <i>Inorganic Chemistry</i> , 2020, 59, 6697-6708.	1.9	15
36	Evidence of continued exposure to legacy persistent organic pollutants in threatened migratory common terns nesting in the Great Lakes. <i>Environment International</i> , 2020, 144, 106065.	4.8	7

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37	Retrospective analysis of the global antibiotic residues that exceed the predicted no effect concentration for antimicrobial resistance in various environmental matrices. <i>Environment International</i> , 2020, 141, 105796.	4.8	77
38	Catching flame retardants and pesticides in silicone wristbands: Evidence of exposure to current and legacy pollutants in Uruguayan children. <i>Science of the Total Environment</i> , 2020, 740, 140136.	3.9	19
39	Adsorption and advanced oxidation of diverse pharmaceuticals and personal care products (PPCPs) from water using highly efficient rGO@ZVI nanohybrids. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 2223-2238.	1.2	22
40	Accurate Prediction of Gas Chromatographic Retention Times via Density Functional Theory Calculations: A Case Study Using Brominated Flame Retardants. <i>ChemistrySelect</i> , 2020, 5, 2476-2481.	0.7	1
41	Prevalence of per- and polyfluoroalkyl substances (PFASs) in drinking and source water from two Asian countries. <i>Chemosphere</i> , 2020, 256, 127115.	4.2	54
42	The Global Crisis of Antimicrobial Resistance: Perspectives from Medicine, Geography, Food Science, and Chemistry. , 2020, , 127-143.		0
43	Assessing uptake of antimicrobials by <i>Zea mays</i> L. and prevalence of antimicrobial resistance genes in manure-fertilized soil. <i>Science of the Total Environment</i> , 2019, 646, 409-415.	3.9	23
44	Mass spectrometry based detection of common vitellogenin peptides across fish species for assessing exposure to estrogenic compounds in aquatic environments. <i>Science of the Total Environment</i> , 2019, 646, 400-408.	3.9	10
45	Binding of iodinated contrast media (ICM) and their transformation products with hormone receptors: Are ICM the new EDCs?. <i>Science of the Total Environment</i> , 2019, 692, 32-36.	3.9	9
46	High-resolution mass spectrometry-based metabolomics reveal the disruption of jasmonic pathway in <i>Arabidopsis thaliana</i> upon copper oxide nanoparticle exposure. <i>Science of the Total Environment</i> , 2019, 693, 133443.	3.9	19
47	Mineralization and Biotransformation of Estrone in Simulated Poultry Litter and Cow Manure Runoff Water. <i>Journal of Environmental Quality</i> , 2019, 48, 1120-1125.	1.0	6
48	Towards a harmonized method for the global reconnaissance of multi-class antimicrobials and other pharmaceuticals in wastewater and receiving surface waters. <i>Environment International</i> , 2019, 124, 361-369.	4.8	42
49	Lipidomics reveals insights on the biological effects of copper oxide nanoparticles in a human colon carcinoma cell line. <i>Molecular Omics</i> , 2019, 15, 30-38.	1.4	31
50	Trends in Antimicrobial Resistance Genes in Manure Blend Pits and Long-Term Storage Across Dairy Farms with Comparisons to Antimicrobial Usage and Residual Concentrations. <i>Environmental Science &amp; Technology</i> , 2019, 53, 2405-2415.	4.6	37
51	GMDTC Chelating Agent Attenuates Cisplatin-Induced Systemic Toxicity without Affecting Antitumor Efficacy. <i>Chemical Research in Toxicology</i> , 2019, 32, 1572-1582.	1.7	9
52	Global antimicrobial resistance: a complex and dire threat with few definite answers. <i>Tropical Medicine and International Health</i> , 2019, 24, 658-662.	1.0	17
53	Applications of metabolomics in assessing ecological effects of emerging contaminants and pollutants on plants. <i>Journal of Hazardous Materials</i> , 2019, 373, 527-535.	6.5	95
54	Comparison of GC-MS/MS and LC-MS/MS for the analysis of hormones and pesticides in surface waters: advantages and pitfalls. <i>Analytical Methods</i> , 2019, 11, 1436-1448.	1.3	49

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55	Method development for the analysis of ionophore antimicrobials in dairy manure to assess removal within a membrane-based treatment system. <i>Chemosphere</i> , 2018, 197, 271-279.	4.2	26
56	Occurrence and transformation of veterinary antibiotics and antibiotic resistance genes in dairy manure treated by advanced anaerobic digestion and conventional treatment methods. <i>Environmental Pollution</i> , 2018, 236, 764-772.	3.7	110
57	The effect of manganese exposure in Atp13a2-deficient mice. <i>NeuroToxicology</i> , 2018, 64, 256-266.	1.4	21
58	Toxicity profile of organic extracts from Magdalena River sediments. <i>Environmental Science and Pollution Research</i> , 2018, 25, 1519-1532.	2.7	19
59	Performance Quantification of Manure Management Systems at 11 Northeastern U.S. Dairy Farms. <i>Applied Engineering in Agriculture</i> , 2018, 34, 973-1000.	0.3	5
60	Establishing Analytical Performance Criteria for the Global Reconnaissance of Antibiotics and Other Pharmaceutical Residues in the Aquatic Environment Using Liquid Chromatography-Tandem Mass Spectrometry. <i>Journal of Analytical Methods in Chemistry</i> , 2018, 2018, 1-9.	0.7	19
61	Toward a Comprehensive Strategy to Mitigate Dissemination of Environmental Sources of Antibiotic Resistance. <i>Environmental Science &amp; Technology</i> , 2017, 51, 13061-13069.	4.6	236
62	Optimizing extraction and analysis of pharmaceuticals in human urine, struvite, food crops, soil, and lysimeter water by liquid chromatography-tandem mass spectrometry. <i>Analytical Methods</i> , 2017, 9, 5952-5962.	1.3	14
63	Mass spectrometry-based metabolomics to assess uptake of silver nanoparticles by <i>Arabidopsis thaliana</i> . <i>Environmental Science: Nano</i> , 2017, 4, 1944-1953.	2.2	21
64	Selective Uptake and Bioaccumulation of Antidepressants in Fish from Effluent-Impacted Niagara River. <i>Environmental Science &amp; Technology</i> , 2017, 51, 10652-10662.	4.6	166
65	Uptake and transformations of engineered nanomaterials: Critical responses observed in terrestrial plants and the model plant <i>Arabidopsis thaliana</i> . <i>Science of the Total Environment</i> , 2017, 607-608, 1497-1516.	3.9	56
66	Interactive Influence of <i>N6AMT1</i> and <i>As3MT</i> Genetic Variations on Arsenic Metabolism in the Population of Inner Mongolia, China. <i>Toxicological Sciences</i> , 2017, 155, 124-134.	1.4	25
67	Integrated Assessment of Aqueously Extractable Estrogens in Municipal Biosolids after Pilot-Scale Composting. <i>Transactions of the ASABE</i> , 2017, 60, 1645-1658.	1.1	1
68	In Vitro and In Vivo Assessment of Aqueously Extractable Estrogens in Poultry Manure after Pilot-Scale Composting. <i>Journal of Environmental Quality</i> , 2017, 46, 614-622.	1.0	7
69	Antibiotics in Agroecosystems: Introduction to the Special Section. <i>Journal of Environmental Quality</i> , 2016, 45, 377-393.	1.0	67
70	Integrative Advanced Oxidation and Biofiltration for Treating Pharmaceuticals in Wastewater. <i>Water Environment Research</i> , 2016, 88, 1985-1993.	1.3	12
71	Challenges in the Measurement of Antibiotics and in Evaluating Their Impacts in Agroecosystems: A Critical Review. <i>Journal of Environmental Quality</i> , 2016, 45, 407-419.	1.0	94
72	Metagenomic profiling of historic Colorado Front Range flood impact on distribution of riverine antibiotic resistance genes. <i>Scientific Reports</i> , 2016, 6, 38432.	1.6	55

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73	Transformation of ionophore antimicrobials in poultry litter during pilot-scale composting. <i>Environmental Pollution</i> , 2016, 212, 392-400.	3.7	23
74	Lessons learned from more than two decades of research on emerging contaminants in the environment. <i>Journal of Hazardous Materials</i> , 2016, 316, 242-251.	6.5	322
75	Isomer separation of polybrominated diphenyl ether metabolites using nanoESI-TIMS-MS. <i>International Journal for Ion Mobility Spectrometry</i> , 2016, 19, 69-76.	1.4	63
76	Urine Bacterial Community Convergence through Fertilizer Production: Storage, Pasteurization, and Struvite Precipitation. <i>Environmental Science &amp; Technology</i> , 2016, 50, 11619-11626.	4.6	42
77	Mass spectrometry-based metabolomics of value-added biochemicals from <i>Ettlia oleoabundans</i> . <i>Algal Research</i> , 2016, 19, 146-154.	2.4	9
78	Analysis of hydroxylated polybrominated diphenyl ethers (OH-BDEs) by supercritical fluid chromatography/mass spectrometry. <i>Talanta</i> , 2016, 161, 122-129.	2.9	15
79	Determination of Total Arsenic and Speciation in Apple Juice by Liquid Chromatography-Inductively Coupled Plasma Mass Spectrometry: An Experiment for the Analytical Chemistry Laboratory. <i>Journal of Chemical Education</i> , 2016, 93, 1939-1944.	1.1	16
80	Enhancing Extraction and Detection of Veterinary Antibiotics in Solid and Liquid Fractions of Manure. <i>Journal of Environmental Quality</i> , 2016, 45, 471-479.	1.0	39
81	Mechanisms of interaction between persistent organic pollutants (POPs) and CYP2B6: An in silico approach. <i>Chemosphere</i> , 2016, 159, 113-125.	4.2	12
82	Biotransformation of pharmaceuticals under nitrification, nitratation and heterotrophic conditions. <i>Science of the Total Environment</i> , 2016, 541, 1439-1447.	3.9	125
83	Chemical and biological assessment of endocrine disrupting chemicals in a full scale dairy manure anaerobic digester with thermal pretreatment. <i>Science of the Total Environment</i> , 2016, 550, 827-834.	3.9	32
84	Biodegradability of iopromide products after UV/H <sub>2</sub> O <sub>2</sub> advanced oxidation. <i>Chemosphere</i> , 2016, 144, 989-994.	4.2	30
85	Application of Metabolite Profiling Tools and Time-of-Flight Mass Spectrometry in the Identification of Transformation Products of Iopromide and Iopamidol during Advanced Oxidation. <i>Environmental Science &amp; Technology</i> , 2015, 49, 2983-2990.	4.6	39
86	Identification of Polybrominated Diphenyl Ether Metabolites Based on Calculated Boiling Points from COSMO-RS, Experimental Retention Times, and Mass Spectral Fragmentation Patterns. <i>Analytical Chemistry</i> , 2015, 87, 2299-2305.	3.2	29
87	Primary Role of Cytochrome P450 2B6 in the Oxidative Metabolism of 2,2,4,4,6-Pentabromodiphenyl Ether (BDE-100) to Hydroxylated BDEs. <i>Chemical Research in Toxicology</i> , 2015, 28, 672-681.	1.7	30
88	Endogenous concentrations of biologically relevant metals in rat brain and cochlea determined by inductively coupled plasma mass spectrometry. <i>BioMetals</i> , 2015, 28, 187-196.	1.8	10
89	Effect of manganese treatment on the accumulation on biologically relevant metals in rat cochlea and brain by inductively coupled plasma mass spectrometry. <i>BioMetals</i> , 2015, 28, 1009-1016.	1.8	3
90	Trophic transfer of flame retardants (PBDEs) in the food web of Lake Erie. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2015, 72, 1886-1896.	0.7	35

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91	One-shot analysis of polybrominated diphenyl ethers and their hydroxylated and methoxylated analogs in human breast milk and serum using gas chromatography-tandem mass spectrometry. <i>Analytica Chimica Acta</i> , 2015, 892, 140-147.	2.6	24
92	Review on the occurrence and profiles of polybrominated diphenyl ethers in the Philippines. <i>Environment International</i> , 2015, 85, 314-326.	4.8	24
93	Effect of redox conditions on pharmaceutical loss during biological wastewater treatment using sequencing batch reactors. <i>Journal of Hazardous Materials</i> , 2015, 282, 106-115.	6.5	67
94	Factors impacting biotransformation kinetics of trace organic compounds in lab-scale activated sludge systems performing nitrification and denitrification. <i>Journal of Hazardous Materials</i> , 2015, 282, 116-124.	6.5	49
95	Urine Diversion for Nutrient Recovery and Micropollutant Management: Results from a Regional Urine Recycling Program. <i>Proceedings of the Water Environment Federation</i> , 2015, 2015, 3993-4002.	0.0	5
96	Fate of pharmaceutical and biological contaminants through the preparation and application of urine derived fertilizers. <i>Proceedings of the Water Environment Federation</i> , 2015, 2015, 1994-2006.	0.0	0
97	Analysis of trace organic pollutants in wastewater to assess biodegradation using wrong way around ionization in liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 1265-1272.	0.7	9
98	Assessing antibiotic sorption in soil: a literature review and new case studies on sulfonamides and macrolides. <i>Chemistry Central Journal</i> , 2014, 8, 5.	2.6	174
99	Quantum dots exhibit less bioaccumulation than free cadmium and selenium in the earthworm <i>Eisenia andrei</i> . <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 1288-1294.	2.2	16
100	Combined effects of cadmium and zinc on growth, tolerance, and metal accumulation in <i>Chara australis</i> and enhanced phytoextraction using EDTA. <i>Ecotoxicology and Environmental Safety</i> , 2013, 98, 236-243.	2.9	33
101	Development of a liquid chromatography-electrospray chemical ionization tandem mass spectrometry analytical method for analysis of eleven hydroxylated polybrominated diphenyl ethers. <i>Journal of Chromatography A</i> , 2013, 1301, 80-87.	1.8	20
102	Biotransformation of BDE-47 to Potentially Toxic Metabolites Is Predominantly Mediated by Human CYP2B6. <i>Environmental Health Perspectives</i> , 2013, 121, 440-446.	2.8	82
103	Statewide Survey of Hormones and Antibiotics in Surface Waters of Delaware. <i>Journal of the American Water Resources Association</i> , 2013, 49, 463-474.	1.0	7
104	Impact of Redox Environment and Microbial Community on Pharmaceutical Biotransformations During Wastewater Treatment. <i>Proceedings of the Water Environment Federation</i> , 2013, 2013, 6491-6495.	0.0	0
105	Enhanced Biodegradation of Carbamazepine after UV/H <sub>2</sub> O <sub>2</sub> Advanced Oxidation. <i>Environmental Science &amp; Technology</i> , 2012, 46, 6222-6227.	4.6	141
106	Analytical performance of a triple quadrupole mass spectrometer compared to a high resolution mass spectrometer for the analysis of polybrominated diphenyl ethers in fish. <i>Analytica Chimica Acta</i> , 2012, 747, 67-75.	2.6	27
107	Micropollutant Fate in Wastewater Treatment: Redefining Removal. <i>Environmental Science &amp; Technology</i> , 2012, 46, 10485-10486.	4.6	53
108	Concentrations of Free and Conjugated Estrogens at Different Landscape Positions in an Agricultural Watershed Receiving Poultry Litter. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 2821-2836.	1.1	26



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109	Dissolved Organic Carbon and Estrogen Transport in Surface Runoff From Agricultural Land Receiving Poultry Litter<sup>1</sup>. Journal of the American Water Resources Association, 2012, 48, 558-569.	1.0	14
110	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
111	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
112	Simultaneous Analysis of Free and Conjugated Estrogens, Sulfonamides, and Tetracyclines in Runoff Water and Soils Using Solid-Phase Extraction and Liquid Chromatography Tandem Mass Spectrometry. Journal of Agricultural and Food Chemistry, 2011, 59, 2213-2222.	2.4	60
113	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
114	Elucidating the Relative Roles of Ammonia Oxidizing and Heterotrophic Bacteria during the Biotransformation of 17 $\beta$ -Ethinylestradiol and Trimethoprim. Environmental Science & Technology, 2011, 45, 3605-3612.	4.6	178
115	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
116	Tetracycline speciation during molecular imprinting in xerogels results in class-selective binding. Analyst, The, 2011, 136, 749-755.	1.7	18
117	Humic Acid-Induced Silver Nanoparticle Formation Under Environmentally Relevant Conditions. Environmental Science & Technology, 2011, 45, 3895-3901.	4.6	265
118	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
119	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
120	Partitioning behavior and stabilization of hydrophobically coated HfO <sub>2</sub> , ZrO <sub>2</sub> and Hf <sub>x</sub> Zr <sub>1-x</sub> O <sub>2</sub> nanoparticles with natural organic matter reveal differences dependent on crystal structure. Journal of Hazardous Materials, 2011, 196, 302-310.	6.5	9
121	Synthesis and evaluation of tetracycline imprinted xerogels: Comparison of experiment and computational modeling. Analytica Chimica Acta, 2011, 684, 72-80.	2.6	20
122	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
123	Characterization of Chlorotetracycline-induced Glutathione S-Transferase to Conjugate Chloroacetanilide and Chlorotriazine Herbicides. ACS Symposium Series, 2010, , 153-167.	0.5	0
124	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
125	PCB and PBDE levels in wild common carp (Cyprinus carpio) from eastern Lake Erie. Chemosphere, 2010, 81, 541-547.	4.2	34
126	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



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127	A systematic investigation to optimize simultaneous extraction and liquid chromatography tandem mass spectrometry analysis of estrogens and their conjugated metabolites in milk. <i>Journal of Chromatography A</i> , 2010, 1217, 4784-4795.	1.8	74
128	Analysis of hydroxylated polybrominated diphenyl ether metabolites by liquid chromatography/atmospheric pressure chemical ionization tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 2227-2235.	0.7	36
129	Free and Conjugated Estrogen Exports in Surface Runoff from Poultry Litter Amended Soil. <i>Journal of Environmental Quality</i> , 2010, 39, 1688-1698.	1.0	57
130	Pharmaceutical metabolites in the environment: Analytical challenges and ecological risks. <i>Environmental Toxicology and Chemistry</i> , 2009, 28, 2473-2484.	2.2	262
131	Human Liver Microsome-Mediated Metabolism of Brominated Diphenyl Ethers 47, 99, and 153 and Identification of Their Major Metabolites. <i>Chemical Research in Toxicology</i> , 2009, 22, 1802-1809.	1.7	72
132	Development of a rapid biolistic assay to determine changes in relative levels of intracellular calcium in leaves following tetracycline uptake by pinto bean plants. <i>Analyst</i> , 2009, 134, 1594.	1.7	24
133	Natural Organic Matter-Mediated Phase Transfer of Quantum Dots in the Aquatic Environment. <i>Environmental Science &amp; Technology</i> , 2009, 43, 677-682.	4.6	62
134	Characterization of Metabolites Formed During the Biotransformation of 17 $\beta$ -Ethinylestradiol by <i>Nitrosomonas europaea</i> in Batch and Continuous Flow Bioreactors. <i>Environmental Science &amp; Technology</i> , 2009, 43, 3549-3555.	4.6	60
135	Trace Analysis of Polar Pharmaceuticals in Wastewater by LC-MS-MS: Comparison of Membrane Bioreactor and Activated Sludge Systems. <i>Journal of Chromatographic Science</i> , 2009, 47, 19-25.	0.7	37
136	Evaluation of the Fate of Environmentally Relevant Micropollutants: Carbamazepine (CBZ), Iopromide (IOP), and Trimethoprim (TMP). , 2007, , 1.		1
137	Fate of tetracycline resistant bacteria as a function of activated sludge process organic loading and growth rate. <i>Water Science and Technology</i> , 2007, 55, 291-297.	1.2	29
138	Antibiotic Transformation in Plants via Glutathione Conjugation. , 2007, , 199-213.		0
139	Effect of Sequencing Batch Reactor Operation on Presence and Concentration of Tetracycline Resistant Organisms. <i>Water Environment Research</i> , 2007, 79, 2287-2297.	1.3	4
140	Biotransformation of Pharmaceuticals and Personal Care Products (PPCPs) during Nitrification: The Role of Ammonia Oxidizing Bacteria versus Heterotrophic Bacteria. <i>Proceedings of the Water Environment Federation</i> , 2007, 2007, 132-145.	0.0	0
141	Tetracycline as a selector for resistant bacteria in activated sludge. <i>Chemosphere</i> , 2007, 66, 1643-1651.	4.2	98
142	Comparison of the occurrence of antibiotics in four full-scale wastewater treatment plants with varying designs and operations. <i>Chemosphere</i> , 2007, 68, 428-435.	4.2	437
143	Chlortetracycline Detoxification in Maize via Induction of Glutathione S-Transferases after Antibiotic Exposure. <i>Environmental Science &amp; Technology</i> , 2007, 41, 1450-1456.	4.6	99
144	Determination of enzyme kinetics and glutathione conjugates of chlortetracycline and chloroacetanilides using liquid chromatography mass spectrometry. <i>Analyst</i> , 2007, 132, 664-671.	1.7	12

#	ARTICLE	IF	CITATIONS
145	Addressing the challenges of tetracycline analysis in soil: extraction, clean-up, and matrix effects in LC-MS. <i>Journal of Environmental Monitoring</i> , 2007, 9, 1254.	2.1	33
146	Potential Ecological and Human Health Impacts of Antibiotics and Antibiotic-Resistant Bacteria from Wastewater Treatment Plants. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2007, 10, 559-573.	2.9	374
147	Analysis of tetracycline antibiotics in soil: Advances in extraction, clean-up, and quantification. <i>TrAC - Trends in Analytical Chemistry</i> , 2007, 26, 456-465.	5.8	141
148	Determination of the antimicrobial growth promoter moenomycin-A in chicken litter. <i>Journal of Chromatography A</i> , 2007, 1175, 234-241.	1.8	8
149	Characterization of glutathione conjugates of chloroacetanilide pesticides using ultra-performance liquid chromatography/quadrupole time-of-flight mass spectrometry and liquid chromatography/ion trap mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 4017-4022.	0.7	11
150	Abundance of six tetracycline resistance genes in wastewater lagoons at cattle feedlots with different antibiotic use strategies. <i>Environmental Microbiology</i> , 2007, 9, 143-151.	1.8	297
151	Removal of Pharmaceuticals in Biological Wastewater Treatment Plants. , 2007, , 349-361.		2
152	Enhanced Biodegradation of Iopromide and Trimethoprim in Nitrifying Activated Sludge. <i>Environmental Science &amp; Technology</i> , 2006, 40, 7367-7373.	4.6	239
153	Structural Characterization of Metabolites of the X-ray Contrast Agent Iopromide in Activated Sludge Using Ion Trap Mass Spectrometry. <i>Analytical Chemistry</i> , 2006, 78, 1866-1874.	3.2	91
154	Occurrence of sulfonamide antimicrobials in private water wells in Washington County, Idaho, USA. <i>Chemosphere</i> , 2006, 64, 1963-1971.	4.2	267
155	Determination of potential sources of PCBs and PBDEs in sediments of the Niagara River. <i>Environmental Pollution</i> , 2006, 139, 489-497.	3.7	119
156	Evaluating the vulnerability of surface waters to antibiotic contamination from varying wastewater treatment plant discharges. <i>Environmental Pollution</i> , 2006, 142, 295-302.	3.7	354
157	Enantiomeric separation of metolachlor and its metabolites using LC-MS and CZE. <i>Chemosphere</i> , 2006, 62, 1591-1599.	4.2	39
158	Recent advances in the sample preparation, liquid chromatography tandem mass spectrometric analysis and environmental fate of microcystins in water. <i>TrAC - Trends in Analytical Chemistry</i> , 2005, 24, 658-670.	5.8	50
159	EVALUATING THE BIODEGRADABILITY OF SULFAMETHAZINE, SULFAMETHOXAZOLE, SULFATHIAZOLE, AND TRIMETHOPRIM AT DIFFERENT STAGES OF SEWAGE TREATMENT. <i>Environmental Toxicology and Chemistry</i> , 2005, 24, 1361.	2.2	254
160	Characterization of moenomycin antibiotics from medicated chicken feed by ion-trap mass spectrometry with electrospray ionization. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 2179-2186.	0.7	13
161	Application of Ion Trap-MS with H/D Exchange and QqTOF-MS in the Identification of Microbial Degradates of Trimethoprim in Nitrifying Activated Sludge. <i>Analytical Chemistry</i> , 2005, 77, 4176-4184.	3.2	104
162	Determination of the Persistence of Tetracycline Antibiotics and Their Degradates in Manure-Amended Soil Using Enzyme-Linked Immunosorbent Assay and Liquid Chromatography-Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 7165-7171.	2.4	177

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163	Simultaneous Analysis of Multiple Classes of Antibiotics by Ion Trap LC/MS/MS for Assessing Surface Water and Groundwater Contamination. <i>Analytical Chemistry</i> , 2005, 77, 2940-2947.	3.2	230
164	Removal of Antibiotics in Wastewater: Effect of Hydraulic and Solid Retention Times on the Fate of Tetracycline in the Activated Sludge Process. <i>Environmental Science &amp; Technology</i> , 2005, 39, 5816-5823.	4.6	428
165	Fragmentation studies on the antibiotic avilamycin A using ion trap mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2004, 39, 1541-1553.	0.7	4
166	Identification of a Photooxygenation Product of Chlortetracycline in Hog Lagoons Using LC/ESI-Ion Trap-MS and LC/ESI-Time-of-Flight-MS. <i>Analytical Chemistry</i> , 2004, 76, 6002-6011.	3.2	61
167	Investigating the Molecular Interactions of Oxytetracycline in Clay and Organic Matter: Insights on Factors Affecting Its Mobility in Soil. <i>Environmental Science &amp; Technology</i> , 2004, 38, 4097-4105.	4.6	433
168	Application of ELISA in determining the fate of tetracyclines in land-applied livestock wastes. <i>Analyst</i> , 2003, 128, 658.	1.7	140
169	Formation and Transport of the Sulfonic Acid Metabolites of Alachlor and Metolachlor in Soil. <i>Environmental Science &amp; Technology</i> , 2001, 35, 2455-2460.	4.6	79
170	Simultaneous Quantification of Acetanilide Herbicides and Their Oxanilic and Sulfonic Acid Metabolites in Natural Waters. <i>Analytical Chemistry</i> , 2000, 72, 840-845.	3.2	21
171	Sulfonic and Oxanilic Acid Metabolites of Acetanilide Herbicides: Separation of Diastereomers and Enantiomers by Capillary Zone Electrophoresis and Identification by <sup>1</sup> H NMR Spectroscopy. <i>Environmental Science &amp; Technology</i> , 1999, 33, 3462-3468.	4.6	39
172	Occurrence of Alachlor and Its Sulfonated Metabolite in Rivers and Reservoirs of the Midwestern United States: The Importance of Sulfonation in the Transport of Chloroacetanilide Herbicides. <i>Environmental Science &amp; Technology</i> , 1996, 30, 569-574.	4.6	111
173	Identification of a New Sulfonic Acid Metabolite of Metolachlor in Soil. <i>Environmental Science &amp; Technology</i> , 1996, 30, 592-597.	4.6	79
174	Determination of Alachlor and Its Sulfonic Acid Metabolite in Water by Solid-Phase Extraction and Enzyme-Linked Immunosorbent Assay. <i>Analytical Chemistry</i> , 1994, 66, 1495-1499.	3.2	77