

Edward T Furlong

List of Publications by Year in descending order

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116
papers

20,679
citations

27035

58
h-index

25230

113
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143
all docs

143
docs citations

143
times ranked

16710
citing authors

#	ARTICLE	IF	CITATIONS
1	Pharmaceuticals, Hormones, and Other Organic Wastewater Contaminants in U.S. Streams, 1999~2000: A National Reconnaissance. <i>Environmental Science & Technology</i> , 2002, 36, 1202-1211.	4.6	6,924
2	Persistence of pharmaceutical compounds and other organic wastewater contaminants in a conventional drinking-water-treatment plant. <i>Science of the Total Environment</i> , 2004, 329, 99-113.	3.9	877
3	A national reconnaissance for pharmaceuticals and other organic wastewater contaminants in the 201-216.	3.9	700
4	A national reconnaissance of pharmaceuticals and other organic wastewater contaminants in the	3.9	626
5	Efficiency of conventional drinking-water-treatment processes in removal of pharmaceuticals and other organic compounds. <i>Science of the Total Environment</i> , 2007, 377, 255-272.	3.9	594
6	Transport of Chemical and Microbial Compounds from Known Wastewater Discharges: A Potential for Use as Indicators of Human Fecal Contamination. <i>Environmental Science & Technology</i> , 2005, 39, 5157-5169.	4.6	578
7	Urban contribution of pharmaceuticals and other organic wastewater contaminants to streams during differing flow conditions. <i>Science of the Total Environment</i> , 2004, 328, 119-130.	3.9	491
8	Antidepressant Pharmaceuticals in Two U.S. Effluent-Impacted Streams: Occurrence and Fate in Water and Sediment, and Selective Uptake in Fish Neural Tissue. <i>Environmental Science & Technology</i> , 2010, 44, 1918-1925.	4.6	429
9	Survey of Organic Wastewater Contaminants in Biosolids Destined for Land Application. <i>Environmental Science & Technology</i> , 2006, 40, 7207-7215.	4.6	403
10	PRESENCE AND DISTRIBUTION OF WASTEWATER-DERIVED PHARMACEUTICALS IN SOIL IRRIGATED WITH RECLAIMED WATER. <i>Environmental Toxicology and Chemistry</i> , 2006, 25, 317.	2.2	402
11	Urban Sprawl Leaves Its PAH Signature. <i>Environmental Science & Technology</i> , 2000, 34, 4064-4070.	4.6	362
12	Bioaccumulation of Pharmaceuticals and Other Anthropogenic Waste Indicators in Earthworms from Agricultural Soil Amended With Biosolid or Swine Manure. <i>Environmental Science & Technology</i> , 2008, 42, 1863-1870.	4.6	312
13	Determination of pharmaceutical compounds in surface- and ground-water samples by solid-phase extraction and high-performance liquid chromatography-electrospray ionization mass spectrometry. <i>Journal of Chromatography A</i> , 2004, 1041, 171-180.	1.8	285
14	Occurrence of sulfonamide, sulfonamide, imidazolinone, and other herbicides in rivers, reservoirs and ground water in the Midwestern United States, 1998. <i>Science of the Total Environment</i> , 2000, 248, 123-133.	3.9	281
15	Antidepressants at environmentally relevant concentrations affect predator avoidance behavior of larval fathead minnows (<i>Pimephales promelas</i>). <i>Environmental Toxicology and Chemistry</i> , 2009, 28, 2677-2684.	2.2	276
16	Expanded Target-Chemical Analysis Reveals Extensive Mixed-Organic-Contaminant Exposure in U.S. Streams. <i>Environmental Science & Technology</i> , 2017, 51, 4792-4802.	4.6	245
17	Pharmaceutical Formulation Facilities as Sources of Opioids and Other Pharmaceuticals to Wastewater Treatment Plant Effluents. <i>Environmental Science & Technology</i> , 2010, 44, 4910-4916.	4.6	236
18	Trace Analysis of Antidepressant Pharmaceuticals and Their Select Degradates in Aquatic Matrixes by LC/ESI/MS/MS. <i>Analytical Chemistry</i> , 2008, 80, 1756-1762.	3.2	216

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19	Response to Comment on "Pharmaceuticals, Hormones, and Other Organic Wastewater Contaminants in U.S. Streams, 1999-2000: A National Reconnaissance" Environmental Science & Technology, 2002, 36, 4004-4004.	4.6	212
20	Selective uptake and biological consequences of environmentally relevant antidepressant pharmaceutical exposures on male fathead minnows. Aquatic Toxicology, 2011, 104, 38-47.	1.9	210
21	Urban contributions of glyphosate and its degradate AMPA to streams in the United States. Science of the Total Environment, 2006, 354, 191-197.	3.9	206
22	Increases in the polynuclear aromatic hydrocarbon content of an agricultural soil over the last century. Environmental Science & Technology, 1989, 23, 95-101.	4.6	200
23	Comparison of a novel passive sampler to standard water-column sampling for organic contaminants associated with wastewater effluents entering a New Jersey stream. Chemosphere, 2005, 61, 610-622.	4.2	179
24	Molecular Resolution and Fragmentation of Fulvic Acid by Electrospray Ionization/Multistage Tandem Mass Spectrometry. Analytical Chemistry, 2001, 73, 1461-1471.	3.2	178
25	Response to Comment on "Pharmaceuticals, Hormones, and Other Organic Wastewater Contaminants in U.S. Streams, 1999-2000: A National Reconnaissance" Environmental Science & Technology, 2002, 36, 4007-4008.	4.6	178
26	Per- and polyfluoroalkyl substances in source and treated drinking waters of the United States. Science of the Total Environment, 2019, 653, 359-369.	3.9	178
27	Nationwide reconnaissance of contaminants of emerging concern in source and treated drinking waters of the United States. Science of the Total Environment, 2017, 581-582, 909-922.	3.9	155
28	Pharmaceuticals and Other Organic Waste Water Contaminants Within a Leachate Plume Downgradient of a Municipal Landfill. Ground Water Monitoring and Remediation, 2004, 24, 119-126.	0.6	151
29	Hormones and Pharmaceuticals in Groundwater Used As a Source of Drinking Water Across the United States. Environmental Science & Technology, 2019, 53, 2950-2960.	4.6	150
30	Urban Stormwater: An Overlooked Pathway of Extensive Mixed Contaminants to Surface and Groundwaters in the United States. Environmental Science & Technology, 2019, 53, 10070-10081.	4.6	149
31	Persistence of pharmaceuticals and other organic compounds in chlorinated drinking water as a function of time. Science of the Total Environment, 2007, 373, 240-249.	3.9	135
32	A holistic passive integrative sampling approach for assessing the presence and potential impacts of waterborne environmental contaminants. Chemosphere, 2004, 54, 695-705.	4.2	129
33	Contaminants of emerging concern in fresh leachate from landfills in the conterminous United States. Environmental Sciences: Processes and Impacts, 2014, 16, 2335-2354.	1.7	129
34	Identification of Alkyl Dimethylbenzylammonium Surfactants in Water Samples by Solid-Phase Extraction Followed by Ion Trap LC/MS and LC/MS/MS. Environmental Science & Technology, 2001, 35, 2583-2588.	4.6	125
35	Pigment preservation and remineralization in oxic coastal marine sediments. Geochimica Et Cosmochimica Acta, 1988, 52, 87-99.	1.6	119
36	Paleoecological investigation of recent lake acidification in the Adirondack Mountains, N.Y.. Journal of Paleolimnology, 1990, 3, 195.	0.8	115

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37	Nationwide reconnaissance of contaminants of emerging concern in source and treated drinking waters of the United States: Pharmaceuticals. <i>Science of the Total Environment</i> , 2017, 579, 1629-1642.	3.9	111
38	Accelerated Solvent Extraction Followed by On-Line Solid-Phase Extraction Coupled to Ion Trap LC/MS/MS for Analysis of Benzalkonium Chlorides in Sediment Samples. <i>Analytical Chemistry</i> , 2002, 74, 1275-1280.	3.2	108
39	Chemical Loading into Surface Water along a Hydrological, Biogeochemical, and Land Use Gradient: A Holistic Watershed Approach. <i>Environmental Science & Technology</i> , 2006, 40, 475-486.	4.6	102
40	Persistence and Potential Effects of Complex Organic Contaminant Mixtures in Wastewater-Impacted Streams. <i>Environmental Science & Technology</i> , 2013, 47, 2177-2188.	4.6	97
41	Concentrations of hormones, pharmaceuticals and other micropollutants in groundwater affected by septic systems in New England and New York. <i>Science of the Total Environment</i> , 2015, 512-513, 43-54.	3.9	95
42	Trace organic contaminants in urban runoff: Associations with urban land-use. <i>Environmental Pollution</i> , 2018, 242, 2068-2077.	3.7	95
43	Groundwater as a nonpoint source of atrazine and deethylatrazine in a river during base flow conditions. <i>Water Resources Research</i> , 1993, 29, 1719-1729.	1.7	91
44	Evaluating the Behavior of Gadolinium and Other Rare Earth Elements through Large Metropolitan Sewage Treatment Plants. <i>Environmental Science & Technology</i> , 2010, 44, 3876-3882.	4.6	91
45	Chemical contaminants in water and sediment near fish nesting sites in the Potomac River basin: Determining potential exposures to smallmouth bass (<i>Micropterus dolomieu</i>). <i>Science of the Total Environment</i> , 2013, 443, 700-716.	3.9	88
46	Landfill leachate as a mirror of today's disposable society: Pharmaceuticals and other contaminants of emerging concern in final leachate from landfills in the conterminous United States. <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 906-918.	2.2	88
47	Comparison of in vitro estrogenic activity and estrogen concentrations in source and treated waters from 25 U.S. drinking water treatment plants. <i>Science of the Total Environment</i> , 2017, 579, 1610-1617.	3.9	86
48	Routine determination of sulfonylurea, imidazolinone, and sulfonamide herbicides at nanogram-per-liter concentrations by solid-phase extraction and liquid chromatography/mass spectrometry. <i>Science of the Total Environment</i> , 2000, 248, 135-146.	3.9	85
49	Transformation Products and Human Metabolites of Triclocarban and Triclosan in Sewage Sludge Across the United States. <i>Environmental Science & Technology</i> , 2014, 48, 7881-7890.	4.6	85
50	Occurrence of contaminants of emerging concern along the California coast (2009-2010) using passive sampling devices. <i>Marine Pollution Bulletin</i> , 2014, 81, 347-354.	2.3	85
51	Organic Contaminants in Sediments from the Trenton Channel of the Detroit River, Michigan. <i>Journal of Great Lakes Research</i> , 1988, 14, 489-501.	0.8	84
52	Do Pharmaceuticals, Pathogens, and Other Organic Waste Water Compounds Persist When Waste Water Is Used for Recharge?. <i>Ground Water Monitoring and Remediation</i> , 2004, 24, 58-69.	0.6	84
53	Waste-Indicator and Pharmaceutical Compounds in Landfill-Leachate-Affected Ground Water near Elkhart, Indiana, 2000-2002. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2009, 82, 653-659.	1.3	82
54	Detection of bacteria from biological mixtures using immunomagnetic separation combined with matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2001, 15, 1068-1074.	0.7	78

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55	Landfill leachate contributes per-/poly-fluoroalkyl substances (PFAS) and pharmaceuticals to municipal wastewater. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 1300-1311.	1.2	72
56	Riverbank filtration potential of pharmaceuticals in a wastewater-impacted stream. <i>Environmental Pollution</i> , 2014, 193, 173-180.	3.7	71
57	Steroid Hormone Runoff from Agricultural Test Plots Applied with Municipal Biosolids. <i>Environmental Science & Technology</i> , 2012, 46, 2746-2754.	4.6	62
58	Presence of the Corexit component dioctyl sodium sulfosuccinate in Gulf of Mexico waters after the 2010 Deepwater Horizon oil spill. <i>Chemosphere</i> , 2014, 95, 124-130.	4.2	60
59	Human health screening and public health significance of contaminants of emerging concern detected in public water supplies. <i>Science of the Total Environment</i> , 2017, 579, 1643-1648.	3.9	60
60	Complex mixtures, complex responses: Assessing pharmaceutical mixtures using field and laboratory approaches. <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 953-965.	2.2	53
61	The Mussel Watch California pilot study on contaminants of emerging concern (CECs): Synthesis and next steps. <i>Marine Pollution Bulletin</i> , 2014, 81, 355-363.	2.3	51
62	Earthworm bioassays and seedling emergence for monitoring toxicity, aging and bioaccumulation of anthropogenic waste indicator compounds in biosolids-amended soil. <i>Science of the Total Environment</i> , 2012, 433, 507-515.	3.9	49
63	Hydrocarbon and azaarene markers of coal transport to aquatic sediments. <i>Environmental Science & Technology</i> , 1984, 18, 846-854.	4.6	47
64	Pharmaceutical manufacturing facility discharges can substantially increase the pharmaceutical load to U.S. wastewaters. <i>Science of the Total Environment</i> , 2018, 636, 69-79.	3.9	47
65	Azaarenes in Puget sound sediments. <i>Geochimica Et Cosmochimica Acta</i> , 1982, 46, 1385-1396.	1.6	44
66	Accumulation of polycyclic aromatic hydrocarbons in acid sensitive lakes. <i>Geochimica Et Cosmochimica Acta</i> , 1987, 51, 2965-2975.	1.6	44
67	Occurrence of Triclocarban and Triclosan in an Agro-ecosystem Following Application of Biosolids. <i>Environmental Science & Technology</i> , 2016, 50, 13206-13214.	4.6	44
68	A Role for Analytical Chemistry in Advancing our Understanding of the Occurrence, Fate, and Effects of Corexit Oil Dispersants. <i>Environmental Science & Technology</i> , 2010, 44, 6016-6018.	4.6	41
69	The impact of onsite wastewater disposal systems on groundwater in areas inundated by Hurricane Sandy in New York and New Jersey. <i>Marine Pollution Bulletin</i> , 2016, 107, 509-517.	2.3	41
70	The importance of quality control in validating concentrations of contaminants of emerging concern in source and treated drinking water samples. <i>Science of the Total Environment</i> , 2017, 579, 1618-1628.	3.9	41
71	Contaminants of emerging concern presence and adverse effects in fish: A case study in the Laurentian Great Lakes. <i>Environmental Pollution</i> , 2018, 236, 718-733.	3.7	41
72	Reconnaissance of Mixed Organic and Inorganic Chemicals in Private and Public Supply Tapwaters at Selected Residential and Workplace Sites in the United States. <i>Environmental Science & Technology</i> , 2018, 52, 13972-13985.	4.6	41

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73	Occurrence, temporal variation, and estrogenic burden of five parabens in sewage sludge collected across the United States. <i>Science of the Total Environment</i> , 2017, 593-594, 368-374.	3.9	38
74	Investigating dynamic sources of pharmaceuticals: Demographic and seasonal use are more important than down-the-drain disposal in wastewater effluent in a University City setting. <i>Science of the Total Environment</i> , 2016, 572, 906-914.	3.9	35
75	Comparing Wastewater Chemicals, Indicator Bacteria Concentrations, and Bacterial Pathogen Genes as Fecal Pollution Indicators. <i>Journal of Environmental Quality</i> , 2009, 38, 248-258.	1.0	34
76	Uptake and Disposition of Select Pharmaceuticals by Bluegill Exposed at Constant Concentrations in a Flow-Through Aquatic Exposure System. <i>Environmental Science & Technology</i> , 2017, 51, 4434-4444.	4.6	34
77	Are exposure predictions, used for the prioritization of pharmaceuticals in the environment, fit for purpose?. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 2823-2832.	2.2	33
78	Occurrence and potential adverse effects of semivolatile organic compounds in streambed sediment, United States, 1992-1995. <i>Environmental Toxicology and Chemistry</i> , 2001, 20, 727-737.	2.2	31
79	Rainfall-runoff of anthropogenic waste indicators from agricultural fields applied with municipal biosolids. <i>Science of the Total Environment</i> , 2017, 580, 83-89.	3.9	31
80	Assessing the impact of wastewater treatment plant effluent on downstream drinking water-source quality using a zebrafish (<i>Danio Rerio</i>) liver cell-based metabolomics approach. <i>Water Research</i> , 2018, 145, 198-209.	5.3	29
81	Effects of Hurricanes Katrina and Rita on the Chemistry of Bottom Sediments in Lake Pontchartrain, Louisiana, USA. <i>Environmental Science & Technology</i> , 2006, 40, 6894-6902.	4.6	26
82	Dissipation of Contaminants of Emerging Concern in Biosolids Applied to Nonirrigated Farmland in Eastern Colorado. <i>Journal of the American Water Resources Association</i> , 2014, 50, 343-357.	1.0	26
83	Comparison of detection limits estimated using single- and multi-concentration spike-based and blank-based procedures. <i>Talanta</i> , 2021, 228, 122139.	2.9	26
84	Simultaneous Multiple Substrate Tag Detection with ESI-Ion Trap MS for In Vivo Bacterial Enzyme Activity Profiling. <i>Analytical Chemistry</i> , 2002, 74, 4290-4293.	3.2	24
85	Toward Identifying the Next Generation of Superfund and Hazardous Waste Site Contaminants. <i>Environmental Health Perspectives</i> , 2011, 119, 6-10.	2.8	24
86	Contamination of nonylphenolic compounds in creek water, wastewater treatment plant effluents, and sediments from Lake Shihwa and vicinity, Korea: Comparison with fecal pollution. <i>Chemosphere</i> , 2011, 85, 1406-1413.	4.2	24
87	Refocusing Mussel Watch on contaminants of emerging concern (CECs): The California pilot study (2009-10). <i>Marine Pollution Bulletin</i> , 2014, 81, 334-339.	2.3	24
88	De Facto Water Reuse: Bioassay suite approach delivers depth and breadth in endocrine active compound detection. <i>Science of the Total Environment</i> , 2020, 699, 134297.	3.9	24
89	Pre/post-closure assessment of groundwater pharmaceutical fate in a wastewater-facility-impacted stream reach. <i>Science of the Total Environment</i> , 2016, 568, 916-925.	3.9	23
90	Modeled De Facto Reuse and Contaminants of Emerging Concern in Drinking Water Source Waters. <i>Journal - American Water Works Association</i> , 2018, 110, E2.	0.2	21

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91	Aquatic concentrations of chemical analytes compared to ecotoxicity estimates. <i>Science of the Total Environment</i> , 2017, 579, 1649-1657.	3.9	20
92	Estimating virus occurrence using Bayesian modeling in multiple drinking water systems of the United States. <i>Science of the Total Environment</i> , 2018, 619-620, 1330-1339.	3.9	19
93	Determination of nitroaromatic explosives and their degradation products in unsaturated-zone water samples by high-performance liquid chromatography with photodiode-array, mass spectrometric, and tandem mass spectrometric detection. <i>TrAC - Trends in Analytical Chemistry</i> , 1996, 15, 319-325.	5.8	18
94	Cimetidine, acetaminophen, and 1,7-dimethylxanthine, as indicators of wastewater pollution in marine sediments from Masan Bay, Korea. <i>Ocean Science Journal</i> , 2014, 49, 231-240.	0.6	12
95	Reconnaissance of Pharmaceuticals and Wastewater Indicators in Streambed Sediments of the Lower Columbia River Basin, Oregon and Washington. <i>Journal of the American Water Resources Association</i> , 2014, 50, 291-301.	1.0	11
96	Effects of the fungicides mancozeb and chlorothalonil on fluxes of CO ₂ , N ₂ O, and CH ₄ in a fertilized Colorado grassland soil. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	9
97	Effects of the herbicides prosulfuron and metolachlor on fluxes of CO ₂ , N ₂ O, and CH ₄ in a fertilized Colorado grassland soil. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	9
98	Polymeric Nanofiber-Carbon Nanotube Composite Mats as Fast-Equilibrium Passive Samplers for Polar Organic Contaminants. <i>Environmental Science & Technology</i> , 2020, 54, 6703-6712.	4.6	9
99	Response to Comment on "Persistence of pharmaceutical compounds and other organic wastewater contaminants in a conventional drinking-water-treatment plant". <i>Science of the Total Environment</i> , 2006, 354, 93-97.	3.9	7
100	Response to Comment on "Pharmaceuticals, Hormones, and Other Organic Wastewater Contaminants in U.S. Streams, 1999-2000: A National Reconnaissance". <i>Environmental Science & Technology</i> , 2003, 37, 1054-1054.	4.6	6
101	An introduction to joint research by the USEPA and USGS on contaminants of emerging concern in source and treated drinking waters of the United States. <i>Science of the Total Environment</i> , 2017, 579, 1608-1609.	3.9	6
102	Exposure to Human-Associated Chemical Markers of Fecal Contamination and Self-Reported Illness among Swimmers at Recreational Beaches. <i>Environmental Science & Technology</i> , 2018, 52, 7513-7523.	4.6	6
103	Environmental Presence and Persistence of Pharmaceuticals An Overview. , 2007, , 3-51.		6
104	Charge Characteristics and Fragmentation of Polycarboxylic Acids by Electrospray Ionization" Multistage Tandem Mass Spectrometry. <i>ACS Symposium Series</i> , 2003, , 312-324.	0.5	5
105	Determination of pharmaceutical compounds in surface- and ground-water samples by solid-phase extraction and high-performance liquid chromatography?electrospray ionization mass spectrometry. <i>Journal of Chromatography A</i> , 2004, 1041, 171-171.	1.8	5
106	Occurrence of Transformation Products in the Environment. <i>Handbook of Environmental Chemistry</i> , 2008, , 83-100.	0.2	5
107	Changes in reproductive biomarkers in an endangered fish species (bonytail chub, <i>Gila elegans</i>) exposed to low levels of organic wastewater compounds in a controlled experiment. <i>Aquatic Toxicology</i> , 2009, 95, 133-143.	1.9	5
108	Earthworms: Diagnostic Indicators of Wastewater Derived Anthropogenic Organic Contaminants in Terrestrial Environments. <i>ACS Symposium Series</i> , 2010, , 297-317.	0.5	5

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109	Comment on "Pharmaceuticals, Hormones, and Other Organic Wastewater Contaminants in U.S. Streams, 1999-2000: A National Reconnaissance". Environmental Science & Technology, 2002, 36, 4003-4003.	4.6	3
110	TOF-MS and Quadrupole Ion-Trap MS/MS for the Discovery of Herbicide Degradates in Groundwater. ACS Symposium Series, 2003, , 128-144.	0.5	3
111	Identification of Homologue Unknowns in Wastewater by Ion Trap MSn: The Diagnostic-Ion Approach. ACS Symposium Series, 2003, , 376-393.	0.5	3
112	Comment on "Pharmaceuticals, Hormones, and Other Organic Wastewater Contaminants in U.S. Streams, 1999-2000: A National Reconnaissance". Environmental Science & Technology, 2003, 37, 1052-1053.	4.6	3
113	Response to Comment on "Urban Sprawl Leaves Its PAH Signature". Environmental Science & Technology, 2001, 35, 1890-1891.	4.6	1
114	Identification of Labile Polar Organic Contaminants by Atmospheric-Pressure Ionization Tandem Mass Spectrometry. ACS Symposium Series, 2003, , 175-187.	0.5	1
115	MICROCONSTITUENTS OF EMERGING CONCERN IN RECLAIMED WATER AND BIOSOLIDS: CONSIDERATIONS FOR GROUNDWATER QUALITY. Proceedings of the Water Environment Federation, 2007, 2007, 4740-4753.	0.0	0
116	Response to "Comment on "Bioaccumulation of Pharmaceuticals and Other Anthropogenic Waste Indicators in Earthworms from Agricultural Soil Amended with Biosolid or Swine Manure". Environmental Science & Technology, 2009, 43, 545-547.	4.6	0