Edward T Furlong

List of Publications by Year
in descending order

116 papers	20,679 citations	23567 58 h-index	22166 113 g-index
143 all docs	143 docs citations	143 times ranked	15055 citing authors

#	Article	IF	Citations
1	Pharmaceuticals, Hormones, and Other Organic Wastewater Contaminants in U.S. Streams, 1999â˜’2000:â€‰A National Reconnaissance. Environmental Science & Technology, 2002, 36, 1202-1211.	10.0	6,924
2	Persistence of pharmaceutical compounds and other organic wastewater contaminants in a conventional drinking-water-treatment plant. Science of the Total Environment, 2004, 329, 99-113.	8.0	877
3	A national reconnaissance for pharmaceuticals and other organic wastewater contaminants in the 201-216.	8.0	700
4	A national reconnaissance of pharmaceuticals and other organic wastewater contaminants in the	8.0	626
5	Efficiency of conventional drinking-water-treatment processes in removal of pharmaceuticals and other organic compounds. Science of the Total Environment, 2007, 377, 255-272.	8.0	594
6	Transport of Chemical and Microbial Compounds from Known Wastewater Discharges:Â Potential for Use as Indicators of Human Fecal Contamination. Environmental Science & Technology, 2005, 39, 5157-5169.	10.0	578
7	Urban contribution of pharmaceuticals and other organic wastewater contaminants to streams during differing flow conditions. Science of the Total Environment, 2004, 328, 119-130.	8.0	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. Environmental Science & Technology, 2010, 44, 1918-1925.	10.0	429
9	Survey of Organic Wastewater Contaminants in Biosolids Destined for Land Application. Environmental Science & Technology, 2006, 40, 7207-7215.	10.0	403
10	PRESENCE AND DISTRIBUTION OF WASTEWATER-DERIVED PHARMACEUTICALS IN SOIL IRRIGATED WITH RECLAIMED WATER. Environmental Toxicology and Chemistry, 2006, 25, 317.	4.3	402
11	Urban Sprawl Leaves Its PAH Signature. Environmental Science & Technology, 2000, 34, 4064-4070.	10.0	362
12	Bioaccumulation of Pharmaceuticals and Other Anthropogenic Waste Indicators in Earthworms from Agricultural Soil Amended With Biosolid or Swine Manure. Environmental Science & Technology, 2008, 42, 1863-1870.	10.0	312
13	Determination of pharmaceutical compounds in surface- and ground-water samples by solid-phase extraction and high-performance liquid chromatographyâ€“electrospray ionization mass spectrometry. Journal of Chromatography A, 2004, 1041, 171-180.	3.7	285
14	Occurrence of sulfonylurea, sulfonamide, imidazolinone, and other herbicides in rivers, reservoirs and ground water in the Midwestern United States, 1998. Science of the Total Environment, 2000, 248, 123-133.	8.0	281
15	Antidepressants at environmentally relevant concentrations affect predator avoidance behavior of larval fathead minnows (Pimephales promelas). Environmental Toxicology and Chemistry, 2009, 28, 2677-2684.	4.3	276
16	Expanded Target-Chemical Analysis Reveals Extensive Mixed-Organic-Contaminant Exposure in U.S. Streams. Environmental Science & Technology, 2017, 51, 4792-4802.	10.0	245
17	Pharmaceutical Formulation Facilities as Sources of Opioids and Other Pharmaceuticals to Wastewater Treatment Plant Effluents. Environmental Science & Technology, 2010, 44, 4910-4916.	10.0	236
18	Trace Analysis of Antidepressant Pharmaceuticals and Their Select Degradates in Aquatic Matrixes by LC/ESI/MS/MS. Analytical Chemistry, 2008, 80, 1756-1762.	6.5	216

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19	Response to Comment on â€œPharmaceuticals, Hormones, and Other Organic Wastewater Contaminants in U.S. Streams, 1999â^'2000:Â A National Reconnaissanceâ€• Environmental Science & Technology, 2002, 36, 4004-4004.	10.0	212
20	Selective uptake and biological consequences of environmentally relevant antidepressant pharmaceutical exposures on male fathead minnows. Aquatic Toxicology, 2011, 104, 38-47.	4.0	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.	8.0	206
22	Increases in the polynuclear aromatic hydrocarbon content of an agricultural soil over the last century. Environmental Science & Technology, 1989, 23, 95-101.	10.0	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.	8.2	179
24	Molecular Resolution and Fragmentation of Fulvic Acid by Electrospray Ionization/Multistage Tandem Mass Spectrometry. Analytical Chemistry, 2001, 73, 1461-1471.	6.5	178
25	Response to Comment on â€œPharmaceuticals, Hormones, and Other Organic Wastewater Contaminants in U.S. Streams, 1999â^'2000:Â A National Reconnaissanceâ€• Environmental Science & Technology, 2002, 36, 4007-4008.	10.0	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.	8.0	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.	8.0	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.	0.8	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.	10.0	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.	10.0	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.	8.0	135
32	A holistic passive integrative sampling approach for assessing the presence and potential impacts of waterborne environmental contaminants. Chemosphere, 2004, 54, 695-705.	8.2	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.	3.5	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.	10.0	125
35	Pigment preservation and remineralization in oxic coastal marine sediments. Geochimica Et Cosmochimica Acta, 1988, 52, 87-99.	3.9	119
36	Paleoecological investigation of recent lake acidification in the Adirondack Mountains, N.Y.. Journal of Paleolimnology, 1990, 3, 195.	1.6	115

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37	Nationwide reconnaissance of contaminants of emerging concern in source and treated drinking waters of the United States: Pharmaceuticals. Science of the Total Environment, 2017, 579, 1629-1642.	8.0	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. Analytical Chemistry, 2002, 74, 1275-1280.	6.5	108
39	Chemical Loading into Surface Water along a Hydrological, Biogeochemical, and Land Use Gradient:â€‰ A Holistic Watershed Approach. Environmental Science & Technology, 2006, 40, 475-486.	10.0	102
40	Persistence and Potential Effects of Complex Organic Contaminant Mixtures in Wastewater-Impacted Streams. Environmental Science & Technology, 2013, 47, 2177-2188.	10.0	97
41	Concentrations of hormones, pharmaceuticals and other micropollutants in groundwater affected by septic systems in New England and New York. Science of the Total Environment, 2015, 512-513, 43-54.	8.0	95
42	Trace organic contaminants in urban runoff: Associations with urban land-use. Environmental Pollution, 2018, 242, 2068-2077.	7.5	95
43	Groundwater as a nonpoint source of atrazine and deethylatrazine in a river during base flow conditions. Water Resources Research, 1993, 29, 1719-1729.	4.2	91
44	Evaluating the Behavior of Gadolinium and Other Rare Earth Elements through Large Metropolitan Sewage Treatment Plants. Environmental Science & Technology, 2010, 44, 3876-3882.	10.0	91
45	Chemical contaminants in water and sediment near fish nesting sites in the Potomac River basin: Determining potential exposures to smallmouth bass (Micropterus dolomieu). Science of the Total Environment, 2013, 443, 700-716.	8.0	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. Environmental Toxicology and Chemistry, 2016, 35, 906-918.	4.3	88
47	Comparison of in vitro estrogenic activity and estrogen concentrations in source and treated waters from 25 U.S. drinking water treatment plants. Science of the Total Environment, 2017, 579, 1610-1617.	8.0	86
48	Routine determination of sulfonylurea, imidazolinone, and sulfonamide herbicides at nanogram-per-liter concentrations by solid-phase extraction and liquid chromatography/mass spectrometry. Science of the Total Environment, 2000, 248, 135-146.	8.0	85
49	Transformation Products and Human Metabolites of Triclocarban and Triclosan in Sewage Sludge Across the United States. Environmental Science & Technology, 2014, 48, 7881-7890.	10.0	85
50	Occurrence of contaminants of emerging concern along the California coast (2009â€“10) using passive sampling devices. Marine Pollution Bulletin, 2014, 81, 347-354.	5.0	85
51	Organic Contaminants in Sediments from the Trenton Channel of the Detroit River, Michigan. Journal of Great Lakes Research, 1988, 14, 489-501.	1.9	84
52	Do Pharmaceuticals, Pathogens, and Other Organic Waste Water Compounds Persist When Waste Water Is Used for Recharge?. Ground Water Monitoring and Remediation, 2004, 24, 58-69.	0.8	84
53	Waste-Indicator and Pharmaceutical Compounds in Landfill-Leachate-Affected Ground Water near Elkhart, Indiana, 2000â€“2002. Bulletin of Environmental Contamination and Toxicology, 2009, 82, 653-659.	2.7	82
54	Detection of bacteria from biological mixtures using immunomagnetic separation combined with matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2001, 15, 1068-1074.	1.5	78

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55	Landfill leachate contributes per-/poly-fluoroalkyl substances (PFAS) and pharmaceuticals to municipal wastewater. Environmental Science: Water Research and Technology, 2020, 6, 1300-1311.	2.4	72
56	Riverbank filtration potential of pharmaceuticals in a wastewater-impacted stream. Environmental Pollution, 2014, 193, 173-180.	7.5	71
57	Steroid Hormone Runoff from Agricultural Test Plots Applied with Municipal Biosolids. Environmental Science & Technology, 2012, 46, 2746-2754.	10.0	62
58	Presence of the Corexit component dioctyl sodium sulfosuccinate in Gulf of Mexico waters after the 2010 Deepwater Horizon oil spill. Chemosphere, 2014, 95, 124-130.	8.2	60
59	Human health screening and public health significance of contaminants of emerging concern detected in public water supplies. Science of the Total Environment, 2017, 579, 1643-1648.	8.0	60
60	Complex mixtures, complex responses: Assessing pharmaceutical mixtures using field and laboratory approaches. Environmental Toxicology and Chemistry, 2016, 35, 953-965.	4.3	53
61	The Mussel Watch California pilot study on contaminants of emerging concern (CECs): Synthesis and next steps. Marine Pollution Bulletin, 2014, 81, 355-363.	5.0	51
62	Earthworm bioassays and seedling emergence for monitoring toxicity, aging and bioaccumulation of anthropogenic waste indicator compounds in biosolidsâ€“amended soil. Science of the Total Environment, 2012, 433, 507-515.	8.0	49
63	Hydrocarbon and azaarene markers of coal transport to aquatic sediments. Environmental Science & Technology, 1984, 18, 846-854.	10.0	47
64	Pharmaceutical manufacturing facility discharges can substantially increase the pharmaceutical load to U.S. wastewaters. Science of the Total Environment, 2018, 636, 69-79.	8.0	47
65	Azaarenes in Puget sound sediments. Geochimica Et Cosmochimica Acta, 1982, 46, 1385-1396.	3.9	44
66	Accumulation of polycyclic aromatic hydrocarbons in acid sensitive lakes. Geochimica Et Cosmochimica Acta, 1987, 51, 2965-2975.	3.9	44
67	Occurrence of Triclocarban and Triclosan in an Agro-ecosystem Following Application of Biosolids. Environmental Science & Technology, 2016, 50, 13206-13214.	10.0	44
68	A Role for Analytical Chemistry in Advancing our Understanding of the Occurrence, Fate, and Effects of Corexit Oil Dispersants. Environmental Science & Technology, 2010, 44, 6016-6018.	10.0	41
69	The impact of onsite wastewater disposal systems on groundwater in areas inundated by Hurricane Sandy in New York and New Jersey. Marine Pollution Bulletin, 2016, 107, 509-517.	5.0	41
70	The importance of quality control in validating concentrations of contaminants of emerging concern in source and treated drinking water samples. Science of the Total Environment, 2017, 579, 1618-1628.	8.0	41
71	Contaminants of emerging concern presence and adverse effects in fish: A case study in the Laurentian Great Lakes. Environmental Pollution, 2018, 236, 718-733.	7.5	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. Environmental Science & Technology, 2018, 52, 13972-13985.	10.0	41

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73	Occurrence, temporal variation, and estrogenic burden of five parabens in sewage sludge collected across the United States. Science of the Total Environment, 2017, 593-594, 368-374.	8.0	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. Science of the Total Environment, 2016, 572, 906-914.	8.0	35
75	Comparing Wastewater Chemicals, Indicator Bacteria Concentrations, and Bacterial Pathogen Genes as Fecal Pollution Indicators. Journal of Environmental Quality, 2009, 38, 248-258.	2.0	34
76	Uptake and Disposition of Select Pharmaceuticals by Bluegill Exposed at Constant Concentrations in a Flow-Through Aquatic Exposure System. Environmental Science & Technology, 2017, 51, 4434-4444.	10.0	34
77	Are exposure predictions, used for the prioritization of pharmaceuticals in the environment, fit for purpose?. Environmental Toxicology and Chemistry, 2017, 36, 2823-2832.	4.3	33
78	Occurrence and potential adverse effects of semivolatile organic compounds in streambed sediment, United States, 1992â€“1995. Environmental Toxicology and Chemistry, 2001, 20, 727-737.	4.3	31
79	Rainfall-runoff of anthropogenic waste indicators from agricultural fields applied with municipal biosolids. Science of the Total Environment, 2017, 580, 83-89.	8.0	31
80	Assessing the impact of wastewater treatment plant effluent on downstream drinking water-source quality using a zebrafish (Danio Rerio) liver cell-based metabolomics approach. Water Research, 2018, 145, 198-209.	11.3	29
81	Effects of Hurricanes Katrina and Rita on the Chemistry of Bottom Sediments in Lake Pontchartrain, Louisiana, USA. Environmental Science & Technology, 2006, 40, 6894-6902.	10.0	26
82	Dissipation of Contaminants of Emerging Concern in Biosolids Applied to Nonirrigated Farmland in Eastern Colorado. Journal of the American Water Resources Association, 2014, 50, 343-357.	2.4	26
83	Comparison of detection limits estimated using single- and multi-concentration spike-based and blank-based procedures. Talanta, 2021, 228, 122139.	5.5	26
84	Simultaneous Multiple Substrate Tag Detection with ESI-Ion Trap MS for In Vivo Bacterial Enzyme Activity Profiling. Analytical Chemistry, 2002, 74, 4290-4293.	6.5	24
85	Toward Identifying the Next Generation of Superfund and Hazardous Waste Site Contaminants. Environmental Health Perspectives, 2011, 119, 6-10.	6.0	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. Chemosphere, 2011, 85, 1406-1413.	8.2	24
87	Refocusing Mussel Watch on contaminants of emerging concern (CECs): The California pilot study (2009â€“10). Marine Pollution Bulletin, 2014, 81, 334-339.	5.0	24
88	De Facto Water Reuse: Bioassay suite approach delivers depth and breadth in endocrine active compound detection. Science of the Total Environment, 2020, 699, 134297.	8.0	24
89	Pre/post-closure assessment of groundwater pharmaceutical fate in a wastewater-facility-impacted stream reach. Science of the Total Environment, 2016, 568, 916-925.	8.0	23
90	Modeled De Facto Reuse and Contaminants of Emerging Concern in Drinking Water Source Waters. Journal - American Water Works Association, 2018, 110, E2.	0.3	21

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91	Aquatic concentrations of chemical analytes compared to ecotoxicity estimates. Science of the Total Environment, 2017, 579, 1649-1657.	8.0	20
92	Estimating virus occurrence using Bayesian modeling in multiple drinking water systems of the United States. Science of the Total Environment, 2018, 619-620, 1330-1339.	8.0	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. TrAC - Trends in Analytical Chemistry, 1996, 15, 319-325.	11.4	18
94	Cimetidine, acetaminophen, and 1,7-dimethylxanthine, as indicators of wastewater pollution in marine sediments from Masan Bay, Korea. Ocean Science Journal, 2014, 49, 231-240.	1.3	12
95	Reconnaissance of Pharmaceuticals and Wastewater Indicators in Streambed Sediments of the Lower Columbia River Basin, Oregon and Washington. Journal of the American Water Resources Association, 2014, 50, 291-301.	2.4	11
96	Effects of the fungicides mancozeb and chlorothalonil on fluxes of CO2, N2O, and CH4in a fertilized Colorado grassland soil. Journal of Geophysical Research, 2004, 109, .	3.3	9
97	Effects of the herbicides prosulfuron and metolachlor on fluxes of CO2, N2O, and CH4in a fertilized Colorado grassland soil. Journal of Geophysical Research, 2004, 109, .	3.3	9
98	Polymeric Nanofiber-Carbon Nanotube Composite Mats as Fast-Equilibrium Passive Samplers for Polar Organic Contaminants. Environmental Science & Technology, 2020, 54, 6703-6712.	10.0	9
99	Response to Comment on â€œPersistence of pharmaceutical compounds and other organic wastewater contaminants in a conventional drinking-water-treatment plantâ€. Science of the Total Environment, 2006, 354, 93-97.	8.0	7
100	Response to Comment on â€œPharmaceuticals, Hormones, and Other Organic Wastewater Contaminants in U.S. Streams, 1999â^'2000:Â A National Reconnaissanceâ€. Environmental Science & Technology, 2003, 37, 1054-1054.	10.0	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. Science of the Total Environment, 2017, 579, 1608-1609.	8.0	6
102	Exposure to Human-Associated Chemical Markers of Fecal Contamination and Self-Reported Illness among Swimmers at Recreational Beaches. Environmental Science & Technology, 2018, 52, 7513-7523.	10.0	6
103	Environmental Presence and Persistence of Pharmaceuticals An Overview. , 2007, , 3-51.		6
104	Charge Characteristics and Fragmentation of Polycarboxylic Acids by Electrospray Ionizationâ€”Multistage Tandem Mass Spectrometry. ACS Symposium Series, 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. Journal of Chromatography A, 2004, 1041, 171-171.	3.7	5
106	Occurrence of Transformation Products in the Environment. Handbook of Environmental Chemistry, 2008, , 83-100.	0.4	5
107	Changes in reproductive biomarkers in an endangered fish species (bonytail chub, Gila elegans) exposed to low levels of organic wastewater compounds in a controlled experiment. Aquatic Toxicology, 2009, 95, 133-143.	4.0	5
108	Earthworms: Diagnostic Indicators of Wastewater Derived Anthropogenic Organic Contaminants in Terrestrial Environments. ACS Symposium Series, 2010, , 297-317.	0.5	5

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109	Comment on â€œPharmaceuticals, Hormones, and Other Organic Wastewater Contaminants in U.S. Streams, 1999â"2000:Â A National Reconnaissanceâ€• Environmental Science & Technology, 2002, 36, 4003-4003.	10.0	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 â€œPharmaceuticals, Hormones, and Other Organic Wastewater Contaminants in U.S. Streams, 1999â"2000:Â A National Reconnaissanceâ€• Environmental Science & Technology, 2003, 37, 1052-1053.	10.0	3
113	Response to Comment on â€œUrban Sprawl Leaves Its PAH Signatureâ€• Environmental Science & Technology, 2001, 35, 1890-1891.	10.0	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 â€œComment on â€˜Bioaccumulation of Pharmaceuticals and Other Anthropogenic Waste Indicators in Earthworms from Agricultural Soil Amended with Biosolid or Swine Manureâ€™â€• Environmental Science & Technology, 2009, 43, 545-547.	10.0	0