

Michael T Meyer

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

106 papers	20,003 citations	51 h-index	118 g-index
118 ext. papers	21,548 ext. citations	7.6 avg, IF	6.49 L-index

#	Paper	IF	Citations
106	Environmental and anthropogenic drivers of contaminants in agricultural watersheds with implications for land management. <i>Science of the Total Environment</i> , 2021 , 774, 145687	10.2	6
105	Mixed organic and inorganic tapwater exposures and potential effects in greater Chicago area, USA. <i>Science of the Total Environment</i> , 2020 , 719, 137236	10.2	11
104	History, Evolution, and Future of Rapid Environmental Assays Used to Evaluate Water Quality and Ecosystem Health. <i>Springer Transactions in Civil and Environmental Engineering</i> , 2020 , 3-17	0.4	
103	Influence of land use and region on glyphosate and aminomethylphosphonic acid in streams in the USA. <i>Science of the Total Environment</i> , 2020 , 707, 136008	10.2	24
102	Antecedent and Post-Application Rain Events Trigger Glyphosate Transport from Runoff-Prone Soils. <i>Environmental Science and Technology Letters</i> , 2018 , 5, 249-254	11	6
101	Dissipation of polyoxyethylene tallow amine (POEA) and glyphosate in an agricultural field and their co-occurrence on streambed sediments. <i>Science of the Total Environment</i> , 2018 , 636, 212-219	10.2	19
100	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	10.3	25
99	Expanded Target-Chemical Analysis Reveals Extensive Mixed-Organic-Contaminant Exposure in U.S. Streams. <i>Environmental Science & Technology</i> , 2017 , 51, 4792-4802	10.3	168
98	Similarities and differences in occurrence and temporal fluctuations in glyphosate and atrazine in small Midwestern streams (USA) during the 2013 growing season. <i>Science of the Total Environment</i> , 2017 , 579, 149-158	10.2	56
97	Polyoxyethylene Tallow Amine, a Glyphosate Formulation Adjuvant: Soil Adsorption Characteristics, Degradation Profile, and Occurrence on Selected Soils from Agricultural Fields in Iowa, Illinois, Indiana, Kansas, Mississippi, and Missouri. <i>Environmental Science & Technology</i> , 2016 , 50, 5781-9	10.3	30
96	Cyanotoxins in inland lakes of the United States: Occurrence and potential recreational health risks in the EPA National Lakes Assessment 2007. <i>Harmful Algae</i> , 2016 , 56, 77-90	5.3	122
95	Aqueous exposure to the progestin, levonorgestrel, alters anal fin development and reproductive behavior in the eastern mosquitofish (<i>Gambusia holbrooki</i>). <i>General and Comparative Endocrinology</i> , 2016 , 234, 161-9	3	29
94	Exposure to the Contraceptive Progestin, Gestodene, Alters Reproductive Behavior, Arrests Egg Deposition, and Masculinizes Development in the Fathead Minnow (<i>Pimephales promelas</i>). <i>Environmental Science & Technology</i> , 2016 , 50, 5991-9	10.3	19
93	Predicting characteristics of rainfall driven estrogen runoff and transport from swine AFO spray fields. <i>Science of the Total Environment</i> , 2015 , 532, 571-80	10.2	18
92	Glyphosate and Its Degradation Product AMPA Occur Frequently and Widely in U.S. Soils, Surface Water, Groundwater, and Precipitation. <i>Journal of the American Water Resources Association</i> , 2014 , 50, 275-290	2.1	260
91	Transport of steroid hormones, phytoestrogens, and estrogenic activity across a swine lagoon/sprayfield system. <i>Environmental Science & Technology</i> , 2014 , 48, 11600-9	10.3	33
90	A Bayesian network model for assessing natural estrogen fate and transport in a swine waste lagoon. <i>Integrated Environmental Assessment and Management</i> , 2014 , 10, 511-21	2.5	5

89	Mycotoxins: diffuse and point source contributions of natural contaminants of emerging concern to streams. <i>Science of the Total Environment</i> , 2014 , 470-471, 669-76	10.2	53
88	Characterization of polyoxyethylene tallow amine surfactants in technical mixtures and glyphosate formulations using ultra-high performance liquid chromatography and triple quadrupole mass spectrometry. <i>Journal of Chromatography A</i> , 2013 , 1319, 80-7	4.5	25
87	Occurrence and partitioning of antibiotic compounds found in the water column and bottom sediments from a stream receiving two wastewater treatment plant effluents in northern New Jersey, 2008. <i>Science of the Total Environment</i> , 2013 , 458-460, 107-16	10.2	72
86	Persistence and potential effects of complex organic contaminant mixtures in wastewater-impacted streams. <i>Environmental Science & Technology</i> , 2013 , 47, 2177-88	10.3	87
85	Bioassay of estrogenicity and chemical analyses of estrogens in streams across the United States associated with livestock operations. <i>Water Research</i> , 2013 , 47, 3347-63	12.5	81
84	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, 700-16	10.2	69
83	Comprehensive assessment of hormones, phytoestrogens, and estrogenic activity in an anaerobic swine waste lagoon. <i>Environmental Science & Technology</i> , 2013 , 47, 13781-90	10.3	39
82	Effects on groundwater microbial communities of an engineered 30-day in situ exposure to the antibiotic sulfamethoxazole. <i>Environmental Science & Technology</i> , 2012 , 46, 7478-86	10.3	38
81	Eleven-year trend in acetanilide pesticide degradates in the Iowa River, Iowa. <i>Journal of Environmental Quality</i> , 2012 , 41, 1566-79	3.4	18
80	Comparative mobility of sulfonamides and bromide tracer in three soils. <i>Journal of Environmental Management</i> , 2011 , 92, 1874-81	7.9	19
79	Occurrence of Azoxystrobin, Propiconazole, and Selected Other Fungicides in US Streams, 2005-2006. <i>Water, Air, and Soil Pollution</i> , 2011 , 218, 307-322	2.6	157
78	Phytoestrogens and mycotoxins in Iowa streams: an examination of underinvestigated compounds in agricultural basins. <i>Journal of Environmental Quality</i> , 2010 , 39, 2089-99	3.4	61
77	Use and environmental occurrence of antibiotics in freestall dairy farms with manured forage fields. <i>Environmental Science & Technology</i> , 2010 , 44, 6591-600	10.3	157
76	Cyanotoxin mixtures and taste-and-odor compounds in cyanobacterial blooms from the Midwestern United States. <i>Environmental Science & Technology</i> , 2010 , 44, 7361-8	10.3	278
75	Alpine Peatlands of the Andes, Cajamarca, Peru. <i>Arctic, Antarctic, and Alpine Research</i> , 2010 , 42, 19-33	1.8	40
74	Effect of diet on fecal and urinary estrogenic activity. <i>Journal of Dairy Science</i> , 2010 , 93, 2088-94	4	14
73	tet and sul antibiotic resistance genes in livestock lagoons of various operation type, configuration, and antibiotic occurrence. <i>Environmental Science & Technology</i> , 2010 , 44, 6102-9	10.3	237
72	Occurrence of organic wastewater and other contaminants in cave streams in northeastern Oklahoma and northwestern Arkansas. <i>Archives of Environmental Contamination and Toxicology</i> , 2010 , 58, 286-98	3.2	17

71	Determination of antibiotics in sewage from hospitals, nursery and slaughter house, wastewater treatment plant and source water in Chongqing region of Three Gorge Reservoir in China. <i>Environmental Pollution</i> , 2010 , 158, 1444-50	9.3	235
70	Fate of trace organic compounds during vadose zone soil treatment in an onsite wastewater system. <i>Environmental Toxicology and Chemistry</i> , 2010 , 29, 285-293	3.8	49
69	Antibiotic fate and transport in three effluent-dominated Ozark streams. <i>Ecological Engineering</i> , 2010 , 36, 930-938	3.9	47
68	The Evolution of Analytical Technology and Its Impact on Water-Quality Studies for Selected Herbicides and Their Degradation Products in Water 2009 , 289-313		1
67	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, 653-9	2.7	76
66	Fate of sulfamethoxazole, 4-nonylphenol, and 17beta-estradiol in groundwater contaminated by wastewater treatment plant effluent. <i>Environmental Science & Technology</i> , 2009 , 43, 4843-50	10.3	102
65	Comparing wastewater chemicals, indicator bacteria concentrations, and bacterial pathogen genes as fecal pollution indicators. <i>Journal of Environmental Quality</i> , 2009 , 38, 248-58	3.4	28
64	A national reconnaissance for pharmaceuticals and other organic wastewater contaminants in the United States--II) untreated drinking water sources. <i>Science of the Total Environment</i> , 2008 , 402, 201-16	10.2	604
63	A national reconnaissance of pharmaceuticals and other organic wastewater contaminants in the United States--I) groundwater. <i>Science of the Total Environment</i> , 2008 , 402, 192-200	10.2	546
62	Occurrence of Transformation Products in the Environment. <i>Handbook of Environmental Chemistry</i> , 2008 , 83-100	0.8	5
61	Effects of ionic strength, temperature, and pH on degradation of selected antibiotics. <i>Journal of Environmental Quality</i> , 2008 , 37, 378-86	3.4	194
60	Comparison of fate and transport of isoxaflutole to atrazine and metolachlor in 10 Iowa rivers. <i>Environmental Science & Technology</i> , 2007 , 41, 6933-9	10.3	15
59	Trace analysis of trimethoprim and sulfonamide, macrolide, quinolone, and tetracycline antibiotics in chlorinated drinking water using liquid chromatography electrospray tandem mass spectrometry. <i>Analytical Chemistry</i> , 2007 , 79, 1135-44	7.8	266
58	Persistence of pharmaceuticals and other organic compounds in chlorinated drinking water as a function of time. <i>Science of the Total Environment</i> , 2007 , 373, 240-9	10.2	117
57	Efficiency of conventional drinking-water-treatment processes in removal of pharmaceuticals and other organic compounds. <i>Science of the Total Environment</i> , 2007 , 377, 255-72	10.2	519
56	Effects of sorbate speciation on sorption of selected sulfonamides in three loamy soils. <i>Journal of Agricultural and Food Chemistry</i> , 2007 , 55, 1370-6	5.7	101
55	Urban contributions of glyphosate and its degradate AMPA to streams in the United States. <i>Science of the Total Environment</i> , 2006 , 354, 191-7	10.2	168
54	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, 93-7	10.2	5

53	Occurrence of antibiotics in wastewater treatment facilities in Wisconsin, USA. <i>Science of the Total Environment</i> , 2006 , 361, 196-207	10.2	535
52	A global perspective on the use, sales, exposure pathways, occurrence, fate and effects of veterinary antibiotics (VAs) in the environment. <i>Chemosphere</i> , 2006 , 65, 725-59	8.4	2189
51	Pharmaceuticals and Other Organic Chemicals in Selected North-Central and Northwestern Arkansas Streams. <i>Journal of Environmental Quality</i> , 2006 , 35, 1078-1087	3.4	16
50	Evaluation of the persistence of micropollutants through pure-oxygen activated sludge nitrification and denitrification. <i>Water Environment Research</i> , 2006 , 78, 2276-85	2.8	16
49	Enantiomeric separation of metolachlor and its metabolites using LC-MS and CZE. <i>Chemosphere</i> , 2006 , 62, 1591-9	8.4	31
48	Pharmaceuticals and other organic chemicals in selected north-central and northwestern Arkansas streams. <i>Journal of Environmental Quality</i> , 2006 , 35, 1078-87	3.4	255
47	Comparison of a novel passive sampler to standard water-column sampling for organic contaminants associated with wastewater effluents entering a New Jersey stream. <i>Chemosphere</i> , 2005 , 61, 610-22	8.4	152
46	Transport of chemical and microbial compounds from known wastewater discharges: potential for use as indicators of human fecal contamination. <i>Environmental Science & Technology</i> , 2005 , 39, 5157-69	10.3	496
45	Occurrence of antibiotics in water from 13 fish hatcheries, 2001-2003. <i>International Journal of Environmental Analytical Chemistry</i> , 2005 , 85, 1141-1152	1.8	20
44	Use of tracers and isotopes to evaluate vulnerability of water in domestic wells to septic waste. <i>Ground Water Monitoring and Remediation</i> , 2005 , 25, 107-117	1.4	71
43	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	1.4	72
42	Pharmaceuticals and Other Organic Waste Water Contaminants Within a Leachate Plume Downgradient of a Municipal Landfill. <i>Ground Water Monitoring and Remediation</i> , 2004 , 24, 119-126	1.4	127
41	Urban contribution of pharmaceuticals and other organic wastewater contaminants to streams during differing flow conditions. <i>Science of the Total Environment</i> , 2004 , 328, 119-30	10.2	416
40	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	10.2	765
39	Determination of Antibiotic Residues in Manure, Soil, and Surface Waters. <i>Clean - Soil, Air, Water</i> , 2003 , 31, 36-44		384
38	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	10.3	6
37	Antimicrobial residues in animal waste and water resources proximal to large-scale swine and poultry feeding operations. <i>Science of the Total Environment</i> , 2002 , 299, 89-95	10.2	367
36	Pharmaceuticals, hormones, and other organic wastewater contaminants in U.S. streams, 1999-2000: a national reconnaissance. <i>Environmental Science & Technology</i> , 2002 , 36, 1202-11	10.3	6099

35	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> , 2002 , 36, 4004-4004	10.3	71
34	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> , 2002 , 36, 4007-4008	10.3	169
33	Analysis of trace levels of sulfonamide and tetracycline antimicrobials in groundwater and surface water using solid-phase extraction and liquid chromatography/mass spectrometry. <i>Analytical Chemistry</i> , 2001 , 73, 4640-6	7.8	595
32	Use of radioimmunoassay as a screen for antibiotics in confined animal feeding operations and confirmation by liquid chromatography/mass spectrometry. <i>Science of the Total Environment</i> , 2000 , 248, 181-7	10.2	106
31	Herbicides and Their Metabolites in Rainfall: Origin, Transport, and Deposition Patterns across the Midwestern and Northeastern United States, 1990-1991. <i>Environmental Science & Technology</i> , 1997 , 31, 1325-1333	10.3	114
30	Biodegradability of the anti-tumour agent ifosfamide and its occurrence in hospital effluents and communal sewage. <i>Water Research</i> , 1997 , 31, 2705-2710	12.5	166
29	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 & Technology</i> , 1996 , 30, 569-574	10.3	105
28	Formation and transport of deethylatrazine and deisopropylatrazine in surface water. <i>Environmental Science & Technology</i> , 1994 , 28, 2267-77	10.3	106
27	Automated solid-phase extraction of herbicides from water for gas chromatographic-mass spectrometric analysis. <i>Journal of Chromatography A</i> , 1993 , 629, 55-59	4.5	61
26	The Wathaman batholith: An Early Proterozoic continental arc in the Trans-Hudson orogenic belt, Canada. <i>Bulletin of the Geological Society of America</i> , 1992 , 104, 1073-1085	3.9	65
25	A reconnaissance study of herbicides and their metabolites in surface water of the midwestern United States using immunoassay and gas chromatography/mass spectrometry. <i>Environmental Science & Technology</i> , 1992 , 26, 2440-2447	10.3	326
24	Herbicides in surface waters of the midwestern United States: the effect of spring flush. <i>Environmental Science & Technology</i> , 1991 , 25, 1794-1796	10.3	297
23	Enzyme-linked immunosorbent assay compared with gas chromatography/mass spectrometry for the determination of triazine herbicides in water. <i>Analytical Chemistry</i> , 1990 , 62, 2043-8	7.8	255
22	Concentration of selected herbicides, herbicide degradation products, and nutrients in the lower Mississippi River, Louisiana, April 1991 through December 2003. <i>Data Series</i> ,		4
21	Concentrations of selected pharmaceuticals and antibiotics in south-central Pennsylvania waters, March through September 2006. <i>Data Series</i> ,		3
20	Total cylindrospermopsins, microcystins/nodularins, and saxitoxins data for the 2007 United States Environmental Protection Agency National Lake Assessment. <i>Data Series</i> ,		2
19	Water-quality data for pharmaceuticals, hormones, and other organic wastewater contaminants in U.S. streams, 1999-2000. <i>US Geological Survey Open-File Report</i> ,		8
18	Results of analyses of the fungicide Chlorothalonil, its degradation products, and other selected pesticides at 22 surface-water sites in five Southern states, 2003-04. <i>US Geological Survey Open-File Report</i> ,		5

17	Water-quality data for pharmaceuticals and other organic wastewater contaminants in ground water and in untreated drinking water sources in the United States, 2000-01. <i>US Geological Survey Open-File Report,</i>	6
16	Comparison of two cell lysis procedures for recovery of microcystins in water samples from silver lake in Dover, Delaware, with microcystin producing cyanobacterial accumulations. <i>US Geological Survey Open-File Report,</i>	7
15	Lagrangian sampling of wastewater treatment plant effluent in Boulder Creek, Colorado, and Fourmile Creek, Iowa, during the summer of 2003 and spring of 2005. <i>Hydrological and water-quality data. US Geological Survey Open-File Report,</i>	5
14	Methods used to characterize the chemical composition and biological activity of environmental waters throughout the United States, 2012-14. <i>US Geological Survey Open-File Report,</i>	5
13	Methods used for the collection and analysis of chemical and biological data for the Tapwater Exposure Study, United States, 2016-17. <i>US Geological Survey Open-File Report,</i>	2
12	Concentrations of selected herbicides, two triazine netabolites, and nutrients in storm runoff from nine stream basins in the Midwestern United States, 1990-92. <i>US Geological Survey Open-File Report,</i>	6
11	Presence and distribution of organic wastewater compounds in wastewater, surface, ground, and drinking waters, Minnesota, 2000-02. <i>USGS Scientific Investigations Report,</i>	15
10	Summary of significant results from studies of triazine herbicides and their degradation products in surface water, ground water, and precipitation in the midwestern United States during the 1990s. <i>USGS Scientific Investigations Report,</i>	13
9	Occurrence of organic wastewater compounds in wastewater effluent and the Big Sioux River in the Upper Big Sioux River basin, South Dakota, 2003-2004. <i>USGS Scientific Investigations Report,</i>	3
8	Occurrence of isoxaflutole, acetamide, and triazine herbicides and their degradation products in 10 Iowa rivers draining to the Mississippi and Missouri Rivers, 2004. <i>USGS Scientific Investigations Report,</i>	5
7	Evaluation of emerging contaminants of concern at the South District Wastewater Treatment Plant based on seasonal events, Miami-Dade County, Florida, 2004. <i>USGS Scientific Investigations Report,</i>	2
6	Occurrence and transport of agricultural chemicals in Leary Weber Ditch Basin, Hancock County, Indiana, 2003-04. <i>USGS Scientific Investigations Report,</i>	19
5	Concentrations of glyphosate, its degradation product, aminomethylphosphonic acid, and glufosinate in ground- and surface-water, rainfall, and soil samples collected in the United States, 2001-06. <i>USGS Scientific Investigations Report,</i>	34
4	Guidelines for design and sampling for cyanobacterial toxin and taste-and-odor studies in lakes and reservoirs. <i>USGS Scientific Investigations Report,</i>	11
3	Occurrence of antibiotic compounds in source water and finished drinking water from the upper Scioto River Basin, Ohio, 2005-6. <i>USGS Scientific Investigations Report,</i>	2
2	Occurrence and potential transport of selected pharmaceuticals and other organic wastewater compounds from wastewater-treatment plant influent and effluent to groundwater and canal systems in Miami-Dade County, Florida. <i>USGS Scientific Investigations Report,</i> i-64	2
1	Determination of glyphosate, its degradation product aminomethylphosphonic acid, and glufosinate, in water by isotope dilution and online solid-phase extraction and liquid chromatography/tandem mass spectrometry. <i>U S Geological Survey Techniques and Methods,</i>	12