

# Michael T Meyer

## List of Publications by Year in descending order

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85  
papers

23,943  
citations

34105  
52  
h-index

54911  
84  
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118  
all docs

118  
docs citations

118  
times ranked

17531  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pharmaceuticals, Hormones, and Other Organic Wastewater Contaminants in U.S. Streams, 1999~2000: A National Reconnaissance. Environmental Science & Technology, 2002, 36, 1202-1211.	10.0	6,924
2	A global perspective on the use, sales, exposure pathways, occurrence, fate and effects of veterinary antibiotics (VAs) in the environment. Chemosphere, 2006, 65, 725-759.	8.2	2,698
3	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
4	A national reconnaissance for pharmaceuticals and other organic wastewater contaminants in the 201-216.	8.0	700
5	Occurrence of antibiotics in wastewater treatment facilities in Wisconsin, USA. Science of the Total Environment, 2006, 361, 196-207.	8.0	672
6	Analysis of Trace Levels of Sulfonamide and Tetracycline Antimicrobials in Groundwater and Surface Water Using Solid-Phase Extraction and Liquid Chromatography/Mass Spectrometry. Analytical Chemistry, 2001, 73, 4640-4646.	6.5	662
7	A national reconnaissance of pharmaceuticals and other organic wastewater contaminants in the	8.0	626
8	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
9	Transport of Chemical and Microbial Compounds from Known Wastewater Discharges: A Potential for Use as Indicators of Human Fecal Contamination. Environmental Science & Technology, 2005, 39, 5157-5169.	10.0	578
10	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
11	Antimicrobial residues in animal waste and water resources proximal to large-scale swine and poultry feeding operations. Science of the Total Environment, 2002, 299, 89-95.	8.0	444
12	Determination of Antibiotic Residues in Manure, Soil, and Surface Waters. Clean - Soil, Air, Water, 2003, 31, 36-44.	0.6	442
13	Glyphosate and Its Degradation Product <sc>AMPA</sc> Occur Frequently and Widely in <sc>U.S.</sc> Soils, Surface Water, Groundwater, and Precipitation. Journal of the American Water Resources Association, 2014, 50, 275-290.	2.4	401
14	A reconnaissance study of herbicides and their metabolites in surface water of the midwestern United States using immunoassay and gas chromatography/mass spectrometry. Environmental Science & Technology, 1992, 26, 2440-2447.	10.0	385
15	Herbicides in surface waters of the midwestern United States: the effect of spring flush. Environmental Science & Technology, 1991, 25, 1794-1796.	10.0	361
16	Cyanotoxin Mixtures and Taste-and-Odor Compounds in Cyanobacterial Blooms from the Midwestern United States. Environmental Science & Technology, 2010, 44, 7361-7368.	10.0	339
17	Enzyme-linked immunosorbent assay compared with gas chromatography/mass spectrometry for the determination of triazine herbicides in water. Analytical Chemistry, 1990, 62, 2043-2048.	6.5	312
18	Trace Analysis of Trimethoprim and Sulfonamide, Macrolide, Quinolone, and Tetracycline Antibiotics in Chlorinated Drinking Water Using Liquid Chromatography Electrospray Tandem Mass Spectrometry. Analytical Chemistry, 2007, 79, 1135-1144.	6.5	305

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19	Solubility of Antimony and Other Elements in Samples Taken from Shooting Ranges. <i>Journal of Environmental Quality</i> , 2005, 34, 248-254.	2.0	292
20	<i>tet</i> and <i>sul</i> Antibiotic Resistance Genes in Livestock Lagoons of Various Operation Type, Configuration, and Antibiotic Occurrence. <i>Environmental Science &amp; Technology</i> , 2010, 44, 6102-6109.	10.0	289
21	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, 1444-1450.	7.5	284
22	Effects of Ionic Strength, Temperature, and pH on Degradation of Selected Antibiotics. <i>Journal of Environmental Quality</i> , 2008, 37, 378-386.	2.0	254
23	Expanded Target-Chemical Analysis Reveals Extensive Mixed-Organic-Contaminant Exposure in U.S. Streams. <i>Environmental Science &amp; Technology</i> , 2017, 51, 4792-4802.	10.0	245
24	Response to Comment on "Pharmaceuticals, Hormones, and Other Organic Wastewater Contaminants in U.S. Streams, 1999-2000: A National Reconnaissance" <i>Environmental Science &amp; Technology</i> , 2002, 36, 4004-4004.	10.0	212
25	Urban contributions of glyphosate and its degradate AMPA to streams in the United States. <i>Science of the Total Environment</i> , 2006, 354, 191-197.	8.0	206
26	Occurrence of Azoxystrobin, Propiconazole, and Selected Other Fungicides in US Streams, 2005-2006. <i>Water, Air, and Soil Pollution</i> , 2011, 218, 307-322.	2.4	198
27	Biodegradability of the anti-tumour agent ifosfamide and its occurrence in hospital effluents and communal sewage. <i>Water Research</i> , 1997, 31, 2705-2710.	11.3	189
28	Use and Environmental Occurrence of Antibiotics in Freestall Dairy Farms with Manured Forage Fields. <i>Environmental Science &amp; Technology</i> , 2010, 44, 6591-6600.	10.0	180
29	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, 610-622.	8.2	179
30	Response to Comment on "Pharmaceuticals, Hormones, and Other Organic Wastewater Contaminants in U.S. Streams, 1999-2000: A National Reconnaissance" <i>Environmental Science &amp; Technology</i> , 2002, 36, 4007-4008.	10.0	178
31	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.	4.8	174
32	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.	0.8	151
33	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, 240-249.	8.0	135
34	Herbicides and Their Metabolites in Rainfall: Origin, Transport, and Deposition Patterns across the Midwestern and Northeastern United States, 1990-1991. <i>Environmental Science &amp; Technology</i> , 1997, 31, 1325-1333.	10.0	131
35	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, 181-187.	8.0	125
36	Formation and Transport of Deethylatrazine and Deisopropylatrazine in Surface Water. <i>Environmental Science &amp; Technology</i> , 1994, 28, 2267-2277.	10.0	120

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37	Effects of Sorbate Speciation on Sorption of Selected Sulfonamides in Three Loamy Soils. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 1370-1376.	5.2	116
38	Fate of Sulfamethoxazole, 4-Nonylphenol, and 17 $\beta$ -Estradiol in Groundwater Contaminated by Wastewater Treatment Plant Effluent. <i>Environmental Science &amp; Technology</i> , 2009, 43, 4843-4850.	10.0	113
39	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.	10.0	111
40	Persistence and Potential Effects of Complex Organic Contaminant Mixtures in Wastewater-Impacted Streams. <i>Environmental Science &amp; Technology</i> , 2013, 47, 2177-2188.	10.0	97
41	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.	8.0	92
42	Bioassay of estrogenicity and chemical analyses of estrogens in streams across the United States associated with livestock operations. <i>Water Research</i> , 2013, 47, 3347-3363.	11.3	89
43	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.	8.0	88
44	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, 107-116.	8.0	87
45	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.	0.8	84
46	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.	3.3	82
47	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.	2.7	82
48	Automated solid-phase extraction of herbicides from water for gas chromatographic-mass spectrometric analysis. <i>Journal of Chromatography A</i> , 1993, 629, 55-59.	3.7	79
49	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.	0.8	75
50	Phytoestrogens and Mycotoxins in Iowa Streams: An Examination of Underinvestigated Compounds in Agricultural Basins. <i>Journal of Environmental Quality</i> , 2010, 39, 2089-2099.	2.0	72
51	Mycotoxins: Diffuse and point source contributions of natural contaminants of emerging concern to streams. <i>Science of the Total Environment</i> , 2014, 470-471, 669-676.	8.0	66
52	Alpine Peatlands of the Andes, Cajamarca, Peru. <i>Arctic, Antarctic, and Alpine Research</i> , 2010, 42, 19-33.	1.1	64
53	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.	8.0	61
54	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.	4.3	52

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55	Antibiotic fate and transport in three effluent-dominated Ozark streams. <i>Ecological Engineering</i> , 2010, 36, 930-938.	3.6	52
56	Comprehensive Assessment of Hormones, Phytoestrogens, and Estrogenic Activity in an Anaerobic Swine Waste Lagoon. <i>Environmental Science &amp; Technology</i> , 2013, 47, 13781-13790.	10.0	48
57	Effects on Groundwater Microbial Communities of an Engineered 30-Day In Situ Exposure to the Antibiotic Sulfamethoxazole. <i>Environmental Science &amp; Technology</i> , 2012, 46, 7478-7486.	10.0	44
58	Transport of Steroid Hormones, Phytoestrogens, and Estrogenic Activity across a Swine Lagoon/Sprayfield System. <i>Environmental Science &amp; Technology</i> , 2014, 48, 11600-11609.	10.0	42
59	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 &amp; Technology</i> , 2018, 52, 13972-13985.	10.0	41
60	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 &amp; Technology</i> , 2016, 50, 5781-5789.	10.0	40
61	Enantiomeric separation of metolachlor and its metabolites using LC-MS and CZE. <i>Chemosphere</i> , 2006, 62, 1591-1599.	8.2	39
62	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, 80-87.	3.7	38
63	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, 161-169.	1.8	35
64	Comparing Wastewater Chemicals, Indicator Bacteria Concentrations, and Bacterial Pathogen Genes as Fecal Pollution Indicators. <i>Journal of Environmental Quality</i> , 2009, 38, 248-258.	2.0	34
65	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.	8.0	32
66	Mixed organic and inorganic tapwater exposures and potential effects in greater Chicago area, USA. <i>Science of the Total Environment</i> , 2020, 719, 137236.	8.0	32
67	Occurrence of antibiotics in water from 13 fish hatcheries, 2001-2003. <i>International Journal of Environmental Analytical Chemistry</i> , 2005, 85, 1141-1152.	3.3	25
68	Comparative mobility of sulfonamides and bromide tracer in three soils. <i>Journal of Environmental Management</i> , 2011, 92, 1874-1881.	7.8	24
69	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 &amp; Technology</i> , 2016, 50, 5991-5999.	10.0	24
70	Eleven-Year Trend in Acetanilide Pesticide Degradates in the Iowa River, Iowa. <i>Journal of Environmental Quality</i> , 2012, 41, 1566-1579.	2.0	23
71	Predicting characteristics of rainfall driven estrogen runoff and transport from swine AFO spray fields. <i>Science of the Total Environment</i> , 2015, 532, 571-580.	8.0	23
72	Environmental and anthropogenic drivers of contaminants in agricultural watersheds with implications for land management. <i>Science of the Total Environment</i> , 2021, 774, 145687.	8.0	23

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73	Pharmaceuticals and Other Organic Chemicals in Selected North-Central and Northwestern Arkansas Streams. <i>Journal of Environmental Quality</i> , 2006, 35, 1078-1087.	2.0	21
74	Evaluation of the Persistence of Micropollutants Through Pure-Oxygen Activated Sludge Nitrification and Denitrification. <i>Water Environment Research</i> , 2006, 78, 2276-2285.	2.7	20
75	Comparison of Fate and Transport of Isoxaflutole to Atrazine and Metolachlor in 10 Iowa Rivers. <i>Environmental Science &amp; Technology</i> , 2007, 41, 6933-6939.	10.0	19
76	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, 286-298.	4.1	17
77	Effect of diet on fecal and urinary estrogenic activity. <i>Journal of Dairy Science</i> , 2010, 93, 2088-2094.	3.4	15
78	Watershed-Scale Risk to Aquatic Organisms from Complex Chemical Mixtures in the Shenandoah River. <i>Environmental Science &amp; Technology</i> , 2022, 56, 845-861.	10.0	14
79	Antecedent and Post-Application Rain Events Trigger Glyphosate Transport from Runoff-Prone Soils. <i>Environmental Science and Technology Letters</i> , 2018, 5, 249-254.	8.7	11
80	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.	8.0	7
81	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, 511-521.	2.9	7
82	Response to Comment on "Pharmaceuticals, Hormones, and Other Organic Wastewater Contaminants in U.S. Streams, 1999-2000: A National Reconnaissance". <i>Environmental Science &amp; Technology</i> , 2003, 37, 1054-1054.	10.0	6
83	Occurrence of Transformation Products in the Environment. <i>Handbook of Environmental Chemistry</i> , 2008, , 83-100.	0.4	5
84	The Evolution of Analytical Technology and Its Impact on Water-Quality Studies for Selected Herbicides and Their Degradation Products in Water. , 2009, , 289-313.		2
85	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	0