Dana W Kolpin

List of Publications by Citations

127 papers	16,596 citations	54 h-index	128 g-index
133 ext. papers	18,313 ext. citations	7.8 avg, IF	6.35 L-index

#	Paper	IF	Citations
127	Pharmaceuticals, hormones, and other organic wastewater contaminants in U.S. streams, 1999-2000: a national reconnaissance. *Environmental Science & Technology*, **2002**, 36, 1202-11	10.3	6099
126	A national reconnaissance for pharmaceuticals and other organic wastewater contaminants in the United States--II) untreated drinking water sources. *Science of the Total Environment*, **2008**, 402, 201-16	10.2	604
125	Are veterinary medicines causing environmental risks?. *Environmental Science & Technology*, **2003**, 37, 286A-294A	10.3	585
124	A national reconnaissance of pharmaceuticals and other organic wastewater contaminants in the United States--I) groundwater. *Science of the Total Environment*, **2008**, 402, 192-200	10.2	546
123	Transport of chemical and microbial compounds from known wastewater discharges: potential for use as indicators of human fecal contamination. *Environmental Science & Technology*, **2005**, 39, 5157-69	10.3	496
122	Urban contribution of pharmaceuticals and other organic wastewater contaminants to streams during differing flow conditions. *Science of the Total Environment*, **2004**, 328, 119-30	10.2	416
121	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	10.2	367
120	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, 1918-25	10.3	366
119	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	10.3	326
118	Impacts of waste from concentrated animal feeding operations on water quality. *Environmental Health Perspectives*, **2007**, 115, 308-12	8.4	284
117	Bioaccumulation of pharmaceuticals and other anthropogenic waste indicators in earthworms from agricultural soil amended with biosolid or swine manure. *Environmental Science & Technology*, **2008**, 42, 1863-70	10.3	269
116	Occurrence of Pesticides in Shallow Groundwater of the United States: Initial Results from the National Water-Quality Assessment Program. *Environmental Science & Technology*, **1998**, 32, 558-566	10.3	257
115	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, 171-80	4.5	241
114	Widespread occurrence of neonicotinoid insecticides in streams in a high corn and soybean producing region, USA. *Environmental Pollution*, **2014**, 193, 189-196	9.3	240
113	When synthetic chemicals degrade in the environment. *Environmental Science & Technology*, **2004**, 38, 368A-375A	10.3	224
112	Occurrence of Selected Pesticides and Their Metabolites in Near-Surface Aquifers of the Midwestern United States. *Environmental Science & Technology*, **1996**, 30, 335-340	10.3	205
111	Major herbicides in ground water: results from the National Water-Quality Assessment. *Journal of Environmental Quality*, **2001**, 30, 831-45	3.4	183

110	Response to Comment on Pharmaceuticals, Hormones, and Other Organic Wastewater Contaminants in U.S. Streams, 19992000: A National Reconnaissance. *Environmental Science & Technology*, **2002**, 36, 4007-4008	10.3	169
109	Expanded Target-Chemical Analysis Reveals Extensive Mixed-Organic-Contaminant Exposure in U.S. Streams. *Environmental Science & Technology*, **2017**, 51, 4792-4802	10.3	168
108	Urban contributions of glyphosate and its degradate AMPA to streams in the United States. *Science of the Total Environment*, **2006**, 354, 191-7	10.2	168
107	Occurrence of Azoxystrobin, Propiconazole, and Selected Other Fungicides in US Streams, 20052006. *Water, Air, and Soil Pollution*, **2011**, 218, 307-322	2.6	157
106	Hydrologic and Land-Use Factors Associated with Herbicides and Nitrate in Near-Surface Aquifers. *Journal of Environmental Quality*, **1993**, 22, 646-656	3.4	138
105	Occurrence of Neonicotinoid Insecticides in Finished Drinking Water and Fate during Drinking Water Treatment. *Environmental Science and Technology Letters*, **2017**, 4, 168-173	11	134
104	GLYPHOSATE, OTHER HERBICIDES, AND TRANSFORMATION PRODUCTS IN MIDWESTERN STREAMS, 20021. *Journal of the American Water Resources Association*, **2005**, 41, 323-332	2.1	134
103	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	1.4	127
102	First national-scale reconnaissance of neonicotinoid insecticides in streams across the USA. *Environmental Chemistry*, **2016**, 13, 12	3.2	123
101	Occurrence and removal of pharmaceutically active compounds in sewage treatment plants with different technologies. *Journal of Environmental Monitoring*, **2009**, 11, 1498-505		118
100	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	10.2	114
99	Contaminants of emerging concern in fresh leachate from landfills in the conterminous United States. *Environmental Sciences: Processes and Impacts*, **2014**, 16, 2335-54	4.3	105
98	Per- and polyfluoroalkyl substances in source and treated drinking waters of the United States. *Science of the Total Environment*, **2019**, 653, 359-369	10.2	103
97	Fate of sulfamethoxazole, 4-nonylphenol, and 17beta-estradiol in groundwater contaminated by wastewater treatment plant effluent. *Environmental Science & Technology*, **2009**, 43, 4843-50	10.3	102
96	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	10.2	87
95	Temporal and spatial variation in pharmaceutical concentrations in an urban river system. *Water Research*, **2018**, 137, 72-85	12.5	87
94	Persistence and potential effects of complex organic contaminant mixtures in wastewater-impacted streams. *Environmental Science & Technology*, **2013**, 47, 2177-88	10.3	87
93	Biotransformation of caffeine, cotinine, and nicotine in stream sediments: implications for use as wastewater indicators. *Environmental Toxicology and Chemistry*, **2007**, 26, 1116-21	3.8	87

92	Peer reviewed: testing water quality for pesticide pollution. *Environmental Science & Technology*, **1999**, 33, 164A-9A	10.3	87
91	Degradates provide insight to spatial and temporal trends of herbicides in ground water. *Ground Water*, **2004**, 42, 601-8	2.4	84
90	Biodegradation of 17beta-estradiol, estrone and testosterone in stream sediments. *Environmental Science & Technology*, **2009**, 43, 1902-10	10.3	77
89	A critical review on the potential impacts of neonicotinoid insecticide use: current knowledge of environmental fate, toxicity, and implications for human health. *Environmental Sciences: Processes and Impacts*, **2020**, 22, 1315-1346	4.3	76
88	Occurrence of Selected Herbicides and Herbicide Degradation Products in Iowa's Ground Water, 1995. *Ground Water*, **1997**, 35, 679-688	2.4	75
87	Pesticides in Ground Water of the United States, 1992–1996. *Ground Water*, **2000**, 38, 858-863	2.4	75
86	Urban Stormwater: An Overlooked Pathway of Extensive Mixed Contaminants to Surface and Groundwaters in the United States. *Environmental Science & Technology*, **2019**, 53, 10070-10081	10.3	73
85	Aquifer vulnerability to pesticide pollution—combining soil, land-use and aquifer properties with molecular descriptors. *Journal of Hydrology*, **2004**, 293, 191-204	6	73
84	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	1.4	72
83	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	10.3	71
82	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, 700-16	10.2	69
81	Year-round presence of neonicotinoid insecticides in tributaries to the Great Lakes, USA. *Environmental Pollution*, **2018**, 235, 1022-1029	9.3	68
80	Acetochlor in the Hydrologic System in the Midwestern United States, 1994. *Environmental Science & Technology*, **1996**, 30, 1459-1464	10.3	68
79	Transformation products and human metabolites of triclocarban and triclosan in sewage sludge across the United States. *Environmental Science & Technology*, **2014**, 48, 7881-90	10.3	67
78	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	10.2	66
77	Agricultural Chemicals in Groundwater of the Midwestern United States: Relations to Land Use. *Journal of Environmental Quality*, **1997**, 26, 1025-1037	3.4	63
76	Phytoestrogens and mycotoxins in Iowa streams: an examination of underinvestigated compounds in agricultural basins. *Journal of Environmental Quality*, **2010**, 39, 2089-99	3.4	61
75	Pesticides in Near-Surface Aquifers: An Assessment Using Highly Sensitive Analytical Methods and Tritium. *Journal of Environmental Quality*, **1995**, 24, 1125-1132	3.4	61

74	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, 906-18	3.8	58
73	Mycotoxins: diffuse and point source contributions of natural contaminants of emerging concern to streams. *Science of the Total Environment*, **2014**, 470-471, 669-76	10.2	53
72	Groundwater vulnerability: interactions of chemical and site properties. *Science of the Total Environment*, **2002**, 299, 131-43	10.2	52
71	Occurence of cyanazine compounds in groundwater: degradates more prevalent than the parent compound. *Environmental Science & Technology*, **2001**, 35, 1217-22	10.3	51
70	Riverbank filtration potential of pharmaceuticals in a wastewater-impacted stream. *Environmental Pollution*, **2014**, 193, 173-180	9.3	49
69	Microbial pathogens in source and treated waters from drinking water treatment plants in the United States and implications for human health. *Science of the Total Environment*, **2016**, 562, 987-995	10.2	47
68	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	10.2	43
67	Chlorinated Byproducts of Neonicotinoids and Their Metabolites: An Unrecognized Human Exposure Potential?. *Environmental Science and Technology Letters*, **2019**, 6, 98-105	11	43
66	Widespread detection of N,N-diethyl-m-toluamide in U.S. streams: comparison with concentrations of pesticides, personal care products, and other organic wastewater compounds. *Environmental Toxicology and Chemistry*, **2005**, 24, 1029-34	3.8	41
65	Complex mixtures, complex responses: Assessing pharmaceutical mixtures using field and laboratory approaches. *Environmental Toxicology and Chemistry*, **2016**, 35, 953-65	3.8	40
64	Effects on groundwater microbial communities of an engineered 30-day in situ exposure to the antibiotic sulfamethoxazole. *Environmental Science & Technology*, **2012**, 46, 7478-86	10.3	38
63	Temporal Trends of Selected Agricultural Chemicals in Iowa's Groundwater, 1982–1995: Are Things Getting Better?. *Journal of Environmental Quality*, **1997**, 26, 1007-1017	3.4	38
62	Pharmaceutical pollution of the world's rivers.. *Proceedings of the National Academy of Sciences of the United States of America*, **2022**, 119,	11.5	37
61	Pharmaceutical manufacturing facility discharges can substantially increase the pharmaceutical load to U.S. wastewaters. *Science of the Total Environment*, **2018**, 636, 69-79	10.2	35
60	Agrichemicals in Ground Water of the Midwestern USA: Relations to Soil Characteristics. *Journal of Environmental Quality*, **1999**, 28, 1908-1915	3.4	33
59	Landfill leachate contributes per-/poly-fluoroalkyl substances (PFAS) and pharmaceuticals to municipal wastewater. *Environmental Science: Water Research and Technology*, **2020**, 6, 1300-1311	4.2	32
58	Potential for 4-n-nonylphenol biodegradation in stream sediments. *Environmental Toxicology and Chemistry*, **2008**, 27, 260-5	3.8	32
57	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	10.2	31

56	Comparing wastewater chemicals, indicator bacteria concentrations, and bacterial pathogen genes as fecal pollution indicators. *Journal of Environmental Quality*, **2009**, 38, 248-58	3.4	28
55	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	10.3	26
54	Contaminants of Emerging Concern: Introduction to a Featured Collection1. *Journal of the American Water Resources Association*, **2009**, 45, 1-3	2.1	25
53	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	10.3	25
52	Are exposure predictions, used for the prioritization of pharmaceuticals in the environment, fit for purpose?. *Environmental Toxicology and Chemistry*, **2017**, 36, 2823-2832	3.8	24
51	Neonicotinoid insecticide removal by prairie strips in row-cropped watersheds with historical seed coating use. *Agriculture, Ecosystems and Environment*, **2017**, 241, 160-167	5.7	23
50	Lagrangian mass-flow investigations of inorganic contaminants in wastewater-impacted streams. *Environmental Science & Technology*, **2011**, 45, 2575-83	10.3	23
49	Pre/post-closure assessment of groundwater pharmaceutical fate in a wastewater-facility-impacted stream reach. *Science of the Total Environment*, **2016**, 568, 916-925	10.2	21
48	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	12.5	21
47	Occurrence of antibiotics in water from 13 fish hatcheries, 2001-2003. *International Journal of Environmental Analytical Chemistry*, **2005**, 85, 1141-1152	1.8	20
46	ATRAZINE AND METOLACHLOR OCCURRENCE IN SHALLOW GROUND WATER OF THE UNITED STATES, 1993 TO 1995: RELATIONS TO EXPLANATORY FACTORS1. *Journal of the American Water Resources Association*, **2002**, 38, 301-311	2.1	20
45	A Novel Method to Characterise Levels of Pharmaceutical Pollution in Large-Scale Aquatic Monitoring Campaigns. *Applied Sciences (Switzerland)*, **2019**, 9, 1368	2.6	19
44	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	2.1	19
43	Comparative mobility of sulfonamides and bromide tracer in three soils. *Journal of Environmental Management*, **2011**, 92, 1874-81	7.9	19
42	Direct assessment of groundwater vulnerability from single observations of multiple contaminants. *Water Resources Research*, **2003**, 39,	5.4	18
41	Occurrence of Dichloroacetamide Herbicide Safeners and Co-Applied Herbicides in Midwestern U.S. Streams. *Environmental Science and Technology Letters*, **2018**, 5, 3-8	11	18
40	HERBICIDES AND DEGRADATES IN SHALLOW AQUIFERS OF ILLINOIS: SPATIAL AND TEMPORAL TRENDS1. *Journal of the American Water Resources Association*, **2005**, 41, 537-547	2.1	16
39	Fate and transport of nitrapyrin in agroecosystems: Occurrence in agricultural soils, subsurface drains, and receiving streams in the Midwestern US. *Science of the Total Environment*, **2019**, 650, 2830-2841	10.2	15

38	Modeled De Facto Reuse and Contaminants of Emerging Concern in Drinking Water Source Waters. *Journal - American Water Works Association*, **2018**, 110, E2-E18	0.5	15
37	Presence and distribution of organic wastewater compounds in wastewater, surface, ground, and drinking waters, Minnesota, 2000-02. *USGS Scientific Investigations Report*,		15
36	Occurrence and Spatiotemporal Dynamics of Pharmaceuticals in a Temperate-Region Wastewater Effluent-Dominated Stream: Variable Inputs and Differential Attenuation Yield Evolving Complex Exposure Mixtures. *Environmental Science & Technology*, **2020**, 54, 12967-12978	10.3	14
35	Nitrapyrin in Streams: The First Study Documenting Off-Field Transport of a Nitrogen Stabilizer Compound. *Environmental Science and Technology Letters*, **2016**, 3, 387-392	11	14
34	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	10.2	13
33	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. *USGS Scientific Investigations Report*,		13
32	Aquatic concentrations of chemical analytes compared to ecotoxicity estimates. *Science of the Total Environment*, **2017**, 579, 1649-1657	10.2	12
31	Mixed organic and inorganic tapwater exposures and potential effects in greater Chicago area, USA. *Science of the Total Environment*, **2020**, 719, 137236	10.2	11
30	Understanding the hydrologic impacts of wastewater treatment plant discharge to shallow groundwater: before and after plant shutdown. *Environmental Science: Water Research and Technology*, **2016**, 2, 864-874	4.2	10
29	De Facto Water Reuse: Bioassay suite approach delivers depth and breadth in endocrine active compound detection. *Science of the Total Environment*, **2020**, 699, 134297	10.2	10
28	Water-quality data for pharmaceuticals, hormones, and other organic wastewater contaminants in U.S. streams, 1999-2000. *US Geological Survey Open-File Report*,		8
27	Predictive Analysis Using Chemical-Gene Interaction Networks Consistent with Observed Endocrine Activity and Mutagenicity of U.S. Streams. *Environmental Science & Technology*, **2019**, 53, 8611-8620	10.3	7
26	Method description, quality assurance, environmental data, and other Information for analysis of pharmaceuticals in wastewater-treatment-plant effluents, streamwater, and reservoirs, 2004-2009. *US Geological Survey Open-File Report*,		7
25	Evidence for interannual persistence of infectious influenza A viruses in Alaska wetlands. *Science of the Total Environment*, **2022**, 803, 150078	10.2	7
24	Spatiotemporal variation in occurrence and co-occurrence of pesticides, hormones, and other organic contaminants in rivers in the Chesapeake Bay Watershed, United States. *Science of the Total Environment*, **2020**, 728, 138765	10.2	6
23	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	10.3	6
22	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. *US Geological Survey Open-File Report*,		6
21	Environmental and anthropogenic drivers of contaminants in agricultural watersheds with implications for land management. *Science of the Total Environment*, **2021**, 774, 145687	10.2	6

20	Groundwater discharges as a source of phytoestrogens and other agriculturally derived contaminants to streams. *Science of the Total Environment*, **2021**, 755, 142873	10.2	6
19	Prevalence of neonicotinoids and sulfoxaflor in alluvial aquifers in a high corn and soybean producing region of the Midwestern United States. *Science of the Total Environment*, **2021**, 782, 146762	10.2	6
18	Occurrence of Transformation Products in the Environment. *Handbook of Environmental Chemistry*, **2008**, 83-100	0.8	5
17	Lagrangian sampling of wastewater treatment plant effluent in Boulder Creek, Colorado, and Fourmile Creek, Iowa, during the summer of 2003 and spring of 2005Hydrological and water-quality data. *US Geological Survey Open-File Report*,		5
16	Chemical mixtures and environmental effects: a pilot study to assess ecological exposure and effects in streams. *US Geological Survey Open-File Report*,		5
15	Methods used to characterize the chemical composition and biological activity of environmental waters throughout the United States, 2012-14. *US Geological Survey Open-File Report*,		5
14	Avian Influenza Virus RNA in Groundwater Wells Supplying Poultry Farms Affected by the 2015 Influenza Outbreak. *Environmental Science and Technology Letters*, **2017**, 4, 268-272	11	5
13	Widespread Use of the Nitrification Inhibitor Nitrapyrin: Assessing Benefits and Costs to Agriculture, Ecosystems, and Environmental Health. *Environmental Science & Technology*, **2021**, 55, 1345-1353	10.3	5
12	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, 133-43	5.1	4
11	Environmental Presence and Persistence of Pharmaceuticals An Overview **2007**, 3-51		4
10	Exposure and Transport of Alkaloids and Phytoestrogens from Soybeans to Agricultural Soils and Streams in the Midwestern United States. *Environmental Science & Technology*, **2021**,	10.3	4
9	Emerging investigator series: municipal wastewater as a year-round point source of neonicotinoid insecticides that persist in an effluent-dominated stream. *Environmental Sciences: Processes and Impacts*, **2021**, 23, 678-688	4.3	4
8	Polymeric Nanofiber-Carbon Nanotube Composite Mats as Fast-Equilibrium Passive Samplers for Polar Organic Contaminants. *Environmental Science & Technology*, **2020**, 54, 6703-6712	10.3	3
7	Highlighting the complexities of a groundwater pilot study during an avian influenza outbreak: Methods, lessons learned, and select contaminant results. *Environmental Research*, **2017**, 158, 212-224	7.9	3
6	Postflood occurrence of selected agricultural chemicals and volatile organic compounds in near-surface unconsolidated aquifers in the upper Mississippi River basin, 1993. *U S Geological Survey Circular*,		3
5	Pharmaceuticals, hormones, and other organic wastewater contaminants in U.S. streams. *U S Geological Survey Fact Sheet*,		3
4	Herbicides in ground water of the Midwest: A regional study of shallow aquifers, 1991-94. *U S Geological Survey Fact Sheet*,		2
3	Methods used for the collection and analysis of chemical and biological data for the Tapwater Exposure Study, United States, 2016–17. *US Geological Survey Open-File Report*,		2

2	In vitro effects-based method and water quality screening model for use in pre- and post-distribution treated waters. *Science of the Total Environment*, **2021**, 768, 144750	10.2	2
1	Tandem field and laboratory approaches to quantify attenuation mechanisms of pharmaceutical and pharmaceutical transformation products in a wastewater effluent-dominated stream. *Water Research*, **2021**, 203, 117537	12.5	0