Dana W Kolpin

List of Publications by Year in Descending Order

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	Evidence for interannual persistence of infectious influenza A viruses in Alaska wetlands. *Science of the Total Environment*, **2022**, 803, 150078	10.2	7
126	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
125	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
124	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
123	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
122	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
121	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
120	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
119	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
118	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
117	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
116	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
115	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
114	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
113	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
112	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
111	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

110	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
109	A Novel Method to Characterise Levels of Pharmaceutical Pollution in Large-Scale Aquatic Monitoring Campaigns. *Applied Sciences (Switzerland)*, **2019**, 9, 1368	2.6	19
108	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
107	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
106	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
105	Chlorinated Byproducts of Neonicotinoids and Their Metabolites: An Unrecognized Human Exposure Potential?. *Environmental Science and Technology Letters*, **2019**, 6, 98-105	11	43
104	Temporal and spatial variation in pharmaceutical concentrations in an urban river system. *Water Research*, **2018**, 137, 72-85	12.5	87
103	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
102	Year-round presence of neonicotinoid insecticides in tributaries to the Great Lakes, USA. *Environmental Pollution*, **2018**, 235, 1022-1029	9.3	68
101	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
100	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
99	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
98	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
97	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
96	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
95	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
94	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
93	Aquatic concentrations of chemical analytes compared to ecotoxicity estimates. *Science of the Total Environment*, **2017**, 579, 1649-1657	10.2	12

92	Expanded Target-Chemical Analysis Reveals Extensive Mixed-Organic-Contaminant Exposure in U.S. Streams. *Environmental Science & Technology*, **2017**, 51, 4792-4802	10.3	168
91	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
90	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
89	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
88	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
87	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
86	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
85	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
84	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
83	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
82	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
81	Complex mixtures, complex responses: Assessing pharmaceutical mixtures using field and laboratory approaches. *Environmental Toxicology and Chemistry*, **2016**, 35, 953-65	3.8	40
80	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
79	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
78	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
77	First national-scale reconnaissance of neonicotinoid insecticides in streams across the USA. *Environmental Chemistry*, **2016**, 13, 12	3.2	123
76	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
75	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

74	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
73	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
72	Riverbank filtration potential of pharmaceuticals in a wastewater-impacted stream. *Environmental Pollution*, **2014**, 193, 173-180	9.3	49
71	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
70	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
69	Persistence and potential effects of complex organic contaminant mixtures in wastewater-impacted streams. *Environmental Science & Technology*, **2013**, 47, 2177-88	10.3	87
68	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
67	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
66	Comparative mobility of sulfonamides and bromide tracer in three soils. *Journal of Environmental Management*, **2011**, 92, 1874-81	7.9	19
65	Occurrence of Azoxystrobin, Propiconazole, and Selected Other Fungicides in US Streams, 2005–2006. *Water, Air, and Soil Pollution*, **2011**, 218, 307-322	2.6	157
64	Lagrangian mass-flow investigations of inorganic contaminants in wastewater-impacted streams. *Environmental Science & Technology*, **2011**, 45, 2575-83	10.3	23
63	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
62	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
61	Contaminants of Emerging Concern: Introduction to a Featured Collection1. *Journal of the American Water Resources Association*, **2009**, 45, 1-3	2.1	25
60	Biodegradation of 17beta-estradiol, estrone and testosterone in stream sediments. *Environmental Science & Technology*, **2009**, 43, 1902-10	10.3	77
59	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
58	Occurrence and removal of pharmaceutically active compounds in sewage treatment plants with different technologies. *Journal of Environmental Monitoring*, **2009**, 11, 1498-505		118
57	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

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	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
54	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
53	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
52	Occurrence of Transformation Products in the Environment. *Handbook of Environmental Chemistry*, **2008**, 83-100	0.8	5
51	Potential for 4-n-nonylphenol biodegradation in stream sediments. *Environmental Toxicology and Chemistry*, **2008**, 27, 260-5	3.8	32
50	Impacts of waste from concentrated animal feeding operations on water quality. *Environmental Health Perspectives*, **2007**, 115, 308-12	8.4	284
49	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
48	Environmental Presence and Persistence of Pharmaceuticals An Overview **2007**, 3-51		4
47	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
46	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
45	Occurrence of antibiotics in water from 13 fish hatcheries, 2001-2003. *International Journal of Environmental Analytical Chemistry*, **2005**, 85, 1141-1152	1.8	20
44	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
43	GLYPHOSATE, OTHER HERBICIDES, AND TRANSFORMATION PRODUCTS IN MIDWESTERN STREAMS, 20021. *Journal of the American Water Resources Association*, **2005**, 41, 323-332	2.1	134
42	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
41	Degradates provide insight to spatial and temporal trends of herbicides in ground water. *Ground Water*, **2004**, 42, 601-8	2.4	84
40	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
39	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

38	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
37	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
36	When synthetic chemicals degrade in the environment. *Environmental Science & Technology*, **2004**, 38, 368A-375A	10.3	224
35	Aquifer vulnerability to pesticide pollution□ombining soil, land-use and aquifer properties with molecular descriptors. *Journal of Hydrology*, **2004**, 293, 191-204	6	73
34	Direct assessment of groundwater vulnerability from single observations of multiple contaminants. *Water Resources Research*, **2003**, 39,	5.4	18
33	Are veterinary medicines causing environmental risks?. *Environmental Science & Technology*, **2003**, 37, 286A-294A	10.3	585
32	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
31	Groundwater vulnerability: interactions of chemical and site properties. *Science of the Total Environment*, **2002**, 299, 131-43	10.2	52
30	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
29	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
28	Response to Comment on Pharmaceuticals, Hormones, and Other Organic Wastewater Contaminants in U.S. Streams, 19992000: A National Reconnaissance□*Environmental Science & Technology*, **2002**, 36, 4004-4004	10.3	71
27	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
26	Major herbicides in ground water: results from the National Water-Quality Assessment. *Journal of Environmental Quality*, **2001**, 30, 831-45	3.4	183
25	Occurence of cyanazine compounds in groundwater: degradates more prevalent than the parent compound. *Environmental Science & Technology*, **2001**, 35, 1217-22	10.3	51
24	Pesticides in Ground Water of the United States, 19921996. *Ground Water*, **2000**, 38, 858-863	2.4	75
23	Agrichemicals in Ground Water of the Midwestern USA: Relations to Soil Characteristics. *Journal of Environmental Quality*, **1999**, 28, 1908-1915	3.4	33
22	Peer reviewed: testing water quality for pesticide pollution. *Environmental Science & Technology*, **1999**, 33, 164A-9A	10.3	87
21	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

20	Agricultural Chemicals in Groundwater of the Midwestern United States: Relations to Land Use. *Journal of Environmental Quality*, **1997**, 26, 1025-1037	3.4	63
19	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
18	Occurrence of Selected Herbicides and Herbicide Degradation Products in Iowa's Ground Water, 1995. *Ground Water*, **1997**, 35, 679-688	2.4	75
17	Acetochlor in the Hydrologic System in the Midwestern United States, 1994. *Environmental Science & Technology*, **1996**, 30, 1459-1464	10.3	68
16	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
15	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
14	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
13	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
12	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
11	Pharmaceuticals, hormones, and other organic wastewater contaminants in U.S. streams. *U S Geological Survey Fact Sheet*,		3
10	Herbicides in ground water of the Midwest: A regional study of shallow aquifers, 1991-94. *U S Geological Survey Fact Sheet*,		2
9	Water-quality data for pharmaceuticals, hormones, and other organic wastewater contaminants in U.S. streams, 1999-2000. *US Geological Survey Open-File Report*,		8
8	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
7	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
6	Lagrangian sampling of wastewater treatment plant effluent in Boulder Creek, Colorado, and Fourmile Creek, Iowa, during the summer of 2003 and spring of 2005—Hydrological and water-quality data. *US Geological Survey Open-File Report*,		5
5	Chemical mixtures and environmental effects: a pilot study to assess ecological exposure and effects in streams. *US Geological Survey Open-File Report*,		5
4	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
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	Presence and distribution of organic wastewater compounds in wastewater, surface, ground, and drinking waters, Minnesota, 2000-02. *USGS Scientific Investigations Report*,	15
1	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