Dana W Kolpin

List of Publications by Year
in descending order

120	20,901	22153	18647
papers	citations	59 h-index	119 g-index

133	133	133	15256
all docs	docs citations	times ranked	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	A national reconnaissance for pharmaceuticals and other organic wastewater contaminants in the 201-216.	8.0	700
3	Peer Reviewed: Are Veterinary Medicines Causing Environmental Risks?. Environmental Science & Technology, 2003, 37, 286A-294A.	10.0	680
4	A national reconnaissance of pharmaceuticals and other organic wastewater contaminants in the	8.0	626
5	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
6	Pharmaceutical pollution of the worldâ€™s rivers. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	495
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	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
9	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
10	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
11	Impacts of Waste from Concentrated Animal Feeding Operations on Water Quality. Environmental Health Perspectives, 2007, 115, 308-312.	6.0	365
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	Occurrence of Pesticides in Shallow Groundwater of the United States:Â Initial Results from the National Water-Quality Assessment Program. Environmental Science & Technology, 1998, 32, 558-566.	10.0	309
14	Widespread occurrence of neonicotinoid insecticides in streams in a high corn and soybean producing region, USA. Environmental Pollution, 2014, 193, 189-196.	7.5	297
15	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
16	Peer Reviewed: When Synthetic Chemicals Degrade in the Environment. Environmental Science & Technology, 2004, 38, 368A-375A.	10.0	285
17	Expanded Target-Chemical Analysis Reveals Extensive Mixed-Organic-Contaminant Exposure in U.S. Streams. Environmental Science & Technology, 2017, 51, 4792-4802.	10.0	245
18	Occurrence of Selected Pesticides and Their Metabolites in Near-Surface Aquifers of the Midwestern United States. Environmental Science & Technology, 1996, 30, 335-340.	10.0	230

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19	Major Herbicides in Ground Water: Results from the National Waterâ€Quality Assessment. Journal of Environmental Quality, 2001, 30, 831-845.	2.0	217
20	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
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	Occurrence of Neonicotinoid Insecticides in Finished Drinking Water and Fate during Drinking Water Treatment. Environmental Science and Technology Letters, 2017, 4, 168-173.	8.7	206
23	Occurrence of Azoxystrobin, Propiconazole, and Selected Other Fungicides in US Streams, 2005â€“2006. Water, Air, and Soil Pollution, 2011, 218, 307-322.	2.4	198
24	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.	3.5	187
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	Hydrologic and Landâ€Use Factors Associated with Herbicides and Nitrate in Nearâ€Surface Aquifers. Journal of Environmental Quality, 1993, 22, 646-656.	2.0	175
28	GLYPHOSATE, OTHER HERBICIDES, AND TRANSFORMATION PRODUCTS IN MIDWESTERN STREAMS, 20021. Journal of the American Water Resources Association, 2005, 41, 323-332.	2.4	171
29	First national-scale reconnaissance of neonicotinoid insecticides in streams across the USA. Environmental Chemistry, 2016, 13, 12.	1.5	170
30	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
31	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
32	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
33	Temporal and spatial variation in pharmaceutical concentrations in an urban river system. Water Research, 2018, 137, 72-85.	11.3	144
34	Occurrence and removal of pharmaceutically active compounds in sewage treatment plants with different technologies. Journal of Environmental Monitoring, 2009, 11, 1498.	2.1	137
35	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
36	Year-round presence of neonicotinoid insecticides in tributaries to the Great Lakes, USA. Environmental Pollution, 2018, 235, 1022-1029.	7.5	116

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37	Fate of Sulfamethoxazole, 4-Nonylphenol, and 17Î²-Estradiol in Groundwater Contaminated by Wastewater Treatment Plant Effluent. Environmental Science & Technology, 2009, 43, 4843-4850.	10.0	113
38	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
39	Peer Reviewed: Testing Water Quality for Pesticide Pollution. Environmental Science & Technology, 1999, 33, 164A-169A.	10.0	105
40	Biotransformation of caffeine, cotinine, and nicotine in stream sediments: Implications for use as wastewater indicators. Environmental Toxicology and Chemistry, 2007, 26, 1116-1121.	4.3	104
41	Degradates Provide Insight to Spatial and Temporal Trends of Herbicides in Ground Water. Ground Water, 2004, 42, 601-608.	1.3	98
42	Persistence and Potential Effects of Complex Organic Contaminant Mixtures in Wastewater-Impacted Streams. Environmental Science & Technology, 2013, 47, 2177-2188.	10.0	97
43	Biodegradation of 17Î²-Estradiol, Estrone and Testosterone in Stream Sediments. Environmental Science & Technology, 2009, 43, 1902-1910.	10.0	94
44	Pesticides in Ground Water of the United States, 1992-1996. Ground Water, 2000, 38, 858-863.	1.3	93
45	Occurrence of Selected Herbicides and Herbicide Degradation Products in Iowa's Ground Water, 1995. Ground Water, 1997, 35, 679-688.	1.3	91
46	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
47	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
48	Aquifer vulnerability to pesticide pollutionâ€"combining soil, land-use and aquifer properties with molecular descriptors. Journal of Hydrology, 2004, 293, 191-204.	5.4	86
49	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
50	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
51	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
52	Acetochlor in the Hydrologic System in the Midwestern United States, 1994. Environmental Science & Technology, 1996, 30, 1459-1464.	10.0	79
53	Pesticides in Nearâ€Surface Aquifers: An Assessment Using Highly Sensitive Analytical Methods and Tritium. Journal of Environmental Quality, 1995, 24, 1125-1132.	2.0	76
54	Phytoestrogens and Mycotoxins in Iowa Streams: An Examination of Underinvestigated Compounds in Agricultural Basins. Journal of Environmental Quality, 2010, 39, 2089-2099.	2.0	72

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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	Agricultural Chemicals in Groundwater of the Midwestern United States: Relations to Land Use. Journal of Environmental Quality, 1997, 26, 1025-1037.	2.0	71
57	Riverbank filtration potential of pharmaceuticals in a wastewater-impacted stream. Environmental Pollution, 2014, 193, 173-180.	7.5	71
58	Chlorinated Byproducts of Neonicotinoids and Their Metabolites: An Unrecognized Human Exposure Potential?. Environmental Science and Technology Letters, 2019, 6, 98-105.	8.7	70
59	Mycotoxins: Diffuse and point source contributions of natural contaminants of emerging concern to streams. Science of the Total Environment, 2014, 470-471, 669-676.	8.0	66
60	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.	8.0	61
61	Occurrence of Cyanazine Compounds in Groundwater:â€‰ Degradates More Prevalent Than the Parent Compound. Environmental Science & Technology, 2001, 35, 1217-1222.	10.0	60
62	Groundwater vulnerability: interactions of chemical and site properties. Science of the Total Environment, 2002, 299, 131-143.	8.0	60
63	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
64	Complex mixtures, complex responses: Assessing pharmaceutical mixtures using field and laboratory approaches. Environmental Toxicology and Chemistry, 2016, 35, 953-965.	4.3	53
65	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.	4.3	51
66	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
67	Effects on Groundwater Microbial Communities of an Engineered 30-Day In Situ Exposure to the Antibiotic Sulfamethoxazole. Environmental Science & Technology, 2012, 46, 7478-7486.	10.0	44
68	Agrichemicals in Ground Water of the Midwestern USA: Relations to Soil Characteristics. Journal of Environmental Quality, 1999, 28, 1908-1915.	2.0	43
69	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
70	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
71	Temporal Trends of Selected Agricultural Chemicals in Iowa's Groundwater, 1982â€“1995: Are Things Getting Better?. Journal of Environmental Quality, 1997, 26, 1007-1017.	2.0	40
72	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.	10.0	39

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73	POTENTIAL FOR 4-n-NONYLPHENOL BIODEGRADATION IN STREAM SEDIMENTS. Environmental Toxicology and Chemistry, 2008, 27, 260.	4.3	38
74	Neonicotinoid insecticide removal by prairie strips in row-cropped watersheds with historical seed coating use. Agriculture, Ecosystems and Environment, 2017, 241, 160-167.	5.3	37
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	A Novel Method to Characterise Levels of Pharmaceutical Pollution in Large-Scale Aquatic Monitoring Campaigns. Applied Sciences (Switzerland), 2019, 9, 1368.	2.5	33
78	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
79	Mixed organic and inorganic tapwater exposures and potential effects in greater Chicago area, USA. Science of the Total Environment, 2020, 719, 137236.	8.0	32
80	Lagrangian Mass-Flow Investigations of Inorganic Contaminants in Wastewater-Impacted Streams. Environmental Science & Technology, 2011, 45, 2575-2583.	10.0	31
81	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
82	ATRAZINE AND METOLACHLOR OCCURRENCE IN SHALLOW GROUND WATER OF THE UNITED STATES, 1993 TO 1995: RELATIONS TO EXPLANATORY FACTORS. Journal of the American Water Resources Association, 2002, 38, 301-311.	2.4	27
83	Contaminants of Emerging Concern: Introduction to a Featured Collection¹. Journal of the American Water Resources Association, 2009, 45, 1-3.	2.4	27
84	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
85	Occurrence of Dichloroacetamide Herbicide Safeners and Co-Applied Herbicides in Midwestern U.S. Streams. Environmental Science and Technology Letters, 2018, 5, 3-8.	8.7	26
86	Occurrence of antibiotics in water from 13 fish hatcheries, 2001-2003. International Journal of Environmental Analytical Chemistry, 2005, 85, 1141-1152.	3.3	25
87	Comparative mobility of sulfonamides and bromide tracer in three soils. Journal of Environmental Management, 2011, 92, 1874-1881.	7.8	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	Nitrapyrin in Streams: The First Study Documenting Off-Field Transport of a Nitrogen Stabilizer Compound. Environmental Science and Technology Letters, 2016, 3, 387-392.	8.7	23
90	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

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91	Widespread Use of the Nitrification Inhibitor Nitrapyrin: Assessing Benefits and Costs to Agriculture, Ecosystems, and Environmental Health. Environmental Science & Technology, 2021, 55, 1345-1353.	10.0	23
92	Environmental and anthropogenic drivers of contaminants in agricultural watersheds with implications for land management. Science of the Total Environment, 2021, 774, 145687.	8.0	23
93	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.	8.0	22
94	Direct assessment of groundwater vulnerability from single observations of multiple contaminants. Water Resources Research, 2003, 39, .	4.2	21
95	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
96	Exposure and Transport of Alkaloids and Phytoestrogens from Soybeans to Agricultural Soils and Streams in the Midwestern United States. Environmental Science & Technology, 2021, 55, 11029-11039.	10.0	21
97	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.	3.5	21
98	Aquatic concentrations of chemical analytes compared to ecotoxicity estimates. Science of the Total Environment, 2017, 579, 1649-1657.	8.0	20
99	A Comprehensive Statewide Spatiotemporal Stream Assessment of Per- and Polyfluoroalkyl Substances (PFAS) in an Agricultural Region of the United States. Environmental Science and Technology Letters, 2021, 8, 981-988.	8.7	20
100	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
101	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.	8.0	19
102	HERBICIDES AND DEGRADATES IN SHALLOW AQUIFERS OF ILLINOIS: SPATIAL AND TEMPORAL TRENDS. Journal of the American Water Resources Association, 2005, 41, 537-547.	2.4	18
103	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.	11.3	18
104	Evidence for interannual persistence of infectious influenza A viruses in Alaska wetlands. Science of the Total Environment, 2022, 803, 150078.	8.0	17
105	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.	8.7	17
106	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.	8.0	16
107	Groundwater discharges as a source of phytoestrogens and other agriculturally derived contaminants to streams. Science of the Total Environment, 2021, 755, 142873.	8.0	14
108	Watershed-Scale Risk to Aquatic Organisms from Complex Chemical Mixtures in the Shenandoah River. Environmental Science & Technology, 2022, 56, 845-861.	10.0	14

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109	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.	2.4	11
110	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.	8.0	11
111	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.	10.0	9
112	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
113	Modeling risk dynamics of contaminants of emerging concern in a temperate-region wastewater effluent-dominated stream. Environmental Science: Water Research and Technology, 2022, 8, 1408-1422.	2.4	9
114	Food, Beverage, and Feedstock Processing Facility Wastewater: a Unique and Underappreciated Source of Contaminants to U.S. Streams. Environmental Science & Technology, 2022, 56, 1028-1040.	10.0	7
115	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
116	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
117	Environmental Presence and Persistence of Pharmaceuticals An Overview. , 2007, , 3-51.		6
118	Occurrence of Transformation Products in the Environment. Handbook of Environmental Chemistry, 2008, , 83-100.	0.4	5
119	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
120	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.	7.5	5