Michelle L Hladik

List of Publications by Year
in descending order

72 papers	4,152 citations	147801 31 h-index	118850 62 g-index
90 all docs	90 docs citations	90 times ranked	4080 citing authors

#	Article	IF	Citations
1	Evaluation of ELISA for the analysis of imidacloprid in biological matrices: Cross-reactivities, matrix interferences, and comparison to LC-MS/MS. Chemosphere, 2022, 286, 131746.	8.2	7
2	Siteâ€•and individualâ€•level contamination affects infection prevalence of an emerging infectious disease of amphibians. Environmental Toxicology and Chemistry, 2022, , .	4.3	1
3	Watershed-Scale Risk to Aquatic Organisms from Complex Chemical Mixtures in the Shenandoah River. Environmental Science & Technology, 2022, 56, 845-861.	10.0	14
4	Pesticide exposure of wild bees and honey bees foraging from field border flowers in intensively managed agriculture areas. Science of the Total Environment, 2022, 831, 154697.	8.0	24
5	Exposure to crop production alters cecal prokaryotic microbiota, inflates virulome and resistome in wild prairie grouse. Environmental Pollution, 2022, 306, 119418.	7.5	0
6	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
7	Salinity Changes the Dynamics of Pyrethroid Toxicity in Terms of Behavioral Effects on Newly Hatched Delta Smelt Larvae. Toxics, 2021, 9, 40.	3.7	15
8	Exploring Biophysical Linkages between Coastal Forestry Management Practices and Aquatic Bivalve Contaminant Exposure. Toxics, 2021, 9, 46.	3.7	4
9	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
10	Crossâ€Ecosystem Fluxes of Pesticides from Prairie Wetlands Mediated by Aquatic Insect Emergence: Implications for Terrestrial Insectivores. Environmental Toxicology and Chemistry, 2021, 40, 2282-2296.	4.3	20
11	Cyprosulfamide: Analysis of the Herbicide Safener and Two of Its Degradates in Surface Water and Groundwater from the Midwestern United States. ACS Agricultural Science and Technology, 2021, 1, 355-361.	2.3	4
12	Public and private tapwater: Comparative analysis of contaminant exposure and potential risk, Cape Cod, Massachusetts, USA. Environment International, 2021, 152, 106487.	10.0	18
13	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
14	Pilot-scale expanded assessment of inorganic and organic tapwater exposures and predicted effects in Puerto Rico, USA. Science of the Total Environment, 2021, 788, 147721.	8.0	17
15	Assessing the ecological functionality and integrity of natural ponds, excavated ponds and stormwater basins for conserving amphibian diversity. Global Ecology and Conservation, 2021, 30, e01765.	2.1	0
16	The silence of the clams: Forestry registered pesticides as multiple stressors on soft-shell clams. Science of the Total Environment, 2021, , 152053.	8.0	2
17	Juvenile African Clawed Frogs (Xenopus laevis) Express Growth, Metamorphosis, Mortality, Gene Expression, and Metabolic Changes When Exposed to Thiamethoxam and Clothianidin. International Journal of Molecular Sciences, 2021, 22, 13291.	4.1	4
18	Exposure and potential effects of pesticides and pharmaceuticals in protected streams of the US National park Service southeast region. Science of the Total Environment, 2020, 704, 135431.	8.0	23

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19	Differences in Neonicotinoid and Metabolite Sorption to Activated Carbon Are Driven by Alterations to the Insecticidal Pharmacophore. Environmental Science & Technology, 2020, 54, 14694-14705.	10.0	29
20	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
21	Beyond neonicotinoids â€“ Wild pollinators are exposed to a range of pesticides while foraging in agroecosystems. Science of the Total Environment, 2020, 742, 140436.	8.0	50
22	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
23	Uptake, Metabolism, and Elimination of Fungicides from Coated Wheat Seeds in Japanese Quail (Coturnix japonica). Journal of Agricultural and Food Chemistry, 2020, 68, 1514-1524.	5.2	23
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.	8.0	19
25	Biofilms Provide New Insight into Pesticide Occurrence in Streams and Links to Aquatic Ecological Communities. Environmental Science & Technology, 2020, 54, 5509-5519.	10.0	34
26	Uptake and toxicity of clothianidin to monarch butterflies from milkweed consumption. PeerJ, 2020, 8, e8669.	2.0	16
27	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
28	Effects of the Neonicotinoid Insecticide Clothianidin on Southern Leopard Frog (Rana sphenocephala) Tadpole Behavior. Bulletin of Environmental Contamination and Toxicology, 2019, 103, 717-722.	2.7	11
29	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
30	Toxicokinetics of Imidacloprid-Coated Wheat Seeds in Japanese Quail (Coturnix japonica) and an Evaluation of Hazard. Environmental Science & Technology, 2019, 53, 3888-3897.	10.0	46
31	Review of and Recommendations for Monitoring Contaminants and their Effects in the San Francisco Bayâ^'Delta. San Francisco Estuary and Watershed Science, 2019, 17, .	0.4	3
32	Chlorinated Byproducts of Neonicotinoids and Their Metabolites: An Unrecognized Human Exposure Potential?. Environmental Science and Technology Letters, 2019, 6, 98-105.	8.7	70
33	Environmental Risks and Challenges Associated with Neonicotinoid Insecticides. Environmental Science & Technology, 2018, 52, 3329-3335.	10.0	316
34	Year-round presence of neonicotinoid insecticides in tributaries to the Great Lakes, USA. Environmental Pollution, 2018, 235, 1022-1029.	7.5	116
35	Leaching and sorption of neonicotinoid insecticides and fungicides from seed coatings. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2018, 53, 176-183.	1.5	27
36	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

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37	Complex mixtures of dissolved pesticides show potential aquatic toxicity in a synoptic study of Midwestern U.S. streams. Science of the Total Environment, 2018, 613-614, 1469-1488.	8.0	116
38	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
39	Exploring the amphibian exposome in an agricultural landscape using telemetry and passive sampling. Scientific Reports, 2018, 8, 10045.	3.3	28
40	Expanded Target-Chemical Analysis Reveals Extensive Mixed-Organic-Contaminant Exposure in U.S. Streams. Environmental Science & Technology, 2017, 51, 4792-4802.	10.0	245
41	Organic geochemistry and toxicology of a stream impacted by unconventional oil and gas wastewater disposal operations. Applied Geochemistry, 2017, 80, 155-167.	3.0	46
42	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
43	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
44	The effects of fipronil and the photodegradation product fipronil desulfinyl on growth and gene expression in juvenile blue crabs, Callinectes sapidus, at different salinities. Aquatic Toxicology, 2017, 186, 96-104.	4.0	47
45	Widespread occurrence and potential for biodegradation of bioactive contaminants in Congaree National Park, USA. Environmental Toxicology and Chemistry, 2017, 36, 3045-3056.	4.3	21
46	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
47	Management of Arthropod Pathogen Vectors in North America: Minimizing Adverse Effects on Pollinators. Journal of Medical Entomology, 2017, 54, 1463-1475.	1.8	20
48	Effects of two fungicide formulations on microbial and macroinvertebrate leaf decomposition under laboratory conditions. Environmental Toxicology and Chemistry, 2016, 35, 2834-2844.	4.3	6
49	First national-scale reconnaissance of neonicotinoid insecticides in streams across the USA. Environmental Chemistry, 2016, 13, 12.	1.5	170
50	Dairy-Impacted Wastewater Is a Source of Iodinated Disinfection Byproducts in the Environment. Environmental Science and Technology Letters, 2016, 3, 190-193.	8.7	27
51	Bifenthrin Causes Trophic Cascade and Altered Insect Emergence in Mesocosms: Implications for Small Streams. Environmental Science & Technology, 2016, 50, 11974-11983.	10.0	61
52	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
53	Increasing neonicotinoid use and the declining butterfly fauna of lowland California. Biology Letters, 2016, 12, 20160475.	2.3	97
54	Storm-event-transport of urban-use pesticides to streams likely impairs invertebrate assemblages. Environmental Monitoring and Assessment, 2016, 188, 345.	2.7	48

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55	Exposure of native bees foraging in an agricultural landscape to current-use pesticides. Science of the Total Environment, 2016, 542, 469-477.	8.0	177
56	Impact of wastewater infrastructure upgrades on the urban water cycle: Reduction in halogenated reaction byproducts following conversion from chlorine gas to ultraviolet light disinfection. Science of the Total Environment, 2015, 529, 264-274.	8.0	11
57	Pesticide concentrations in frog tissue and wetland habitats in a landscape dominated by agriculture. Science of the Total Environment, 2015, 502, 80-90.	8.0	115
58	Discharges of produced waters from oil and gas extraction via wastewater treatment plants are sources of disinfection by-products to receiving streams. Science of the Total Environment, 2014, 466-467, 1085-1093.	8.0	109
59	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
60	Pyrethroid insecticides in bed sediments from urban and agricultural streams across the United States. Journal of Environmental Monitoring, 2012, 14, 1838.	2.1	48
61	Esfenvalerate toxicity to the cladoceran Ceriodaphnia dubia in the presence of green algae, Pseudokirchneriella subcapitata. Ecotoxicology, 2012, 21, 2409-2418.	2.4	17
62	Occurrence and Potential Sources of Pyrethroid Insecticides in Stream Sediments from Seven U.S. Metropolitan Areas. Environmental Science & Technology, 2012, 46, 4297-4303.	10.0	163
63	Pyrethroid insecticide concentrations and toxicity in streambed sediments and loads in surface waters of the San Joaquin Valley, California, USA. Environmental Toxicology and Chemistry, 2010, 29, 813-823.	4.3	57
64	Concentrations and loads of suspended sediment-associated pesticides in the San Joaquin River, California and tributaries during storm events. Science of the Total Environment, 2009, 408, 356-364.	8.0	23
65	Assessing the Occurrence and Distribution of Pyrethroids in Water and Suspended Sediments. Journal of Agricultural and Food Chemistry, 2009, 57, 9079-9085.	5.2	78
66	A Multi-residue Method for the Analysis of Pesticides and Pesticide Degradates in Water Using HLB Solid-phase Extraction and Gas Chromatographyâ€“Ion Trap Mass Spectrometry. Bulletin of Environmental Contamination and Toxicology, 2008, 80, 139-144.	2.7	71
67	Neutral chloroacetamide herbicide degradates and related compounds in Midwestern United States drinking water sources. Science of the Total Environment, 2008, 390, 155-165.	8.0	73
68	Neutral degradates of chloroacetamide herbicides: Occurrence in drinking water and removal during conventional water treatment. Water Research, 2008, 42, 4905-4914.	11.3	49
69	Analysis of Chlorothalonil and Three Degradates in Sediment and Soil. Journal of Agricultural and Food Chemistry, 2008, 56, 2310-2314.	5.2	20
70	Occurrence of Pyrethroids in Bed and Suspended Sediments in California. ACS Symposium Series, 2008, , 55-71.	0.5	3
71	Are Neutral Chloroacetamide Herbicide Degradates of Potential Environmental Concern? Analysis and Occurrence in the Upper Chesapeake Bay. Environmental Science & Technology, 2005, 39, 6561-6574.	10.0	58
72	Removal of neutral chloroacetamide herbicide degradates during simulated unit processes for drinking water treatment. Water Research, 2005, 39, 5033-5044.	11.3	44