

Laura L McConnell

List of Publications by Year in descending order

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111
papers

3,633
citations

126907

33
h-index

149698

56
g-index

114
all docs

114
docs citations

114
times ranked

3090
citing authors

#	ARTICLE	IF	CITATIONS
1	Pesticides and amphibian population declines in California, USA. <i>Environmental Toxicology and Chemistry</i> , 2001, 20, 1591-1595.	4.3	259
2	Summertime transport of current-use pesticides from California's Central Valley to the Sierra Nevada Mountain Range, USA. <i>Environmental Toxicology and Chemistry</i> , 1999, 18, 2715-2722.	4.3	157
3	Characterizing the isotopic composition of atmospheric ammonia emission sources using passive samplers and a combined oxidation-bacterial denitrifier approach. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 2239-2246.	1.5	153
4	Wet deposition of current-use pesticides in the Sierra Nevada mountain range, California, USA. <i>Environmental Toxicology and Chemistry</i> , 1998, 17, 1908-1916.	4.3	151
5	Diffusive Exchange of Gaseous Polycyclic Aromatic Hydrocarbons and Polychlorinated Biphenyls Across the Air-Water Interface of the Chesapeake Bay. <i>Environmental Science & Technology</i> , 1998, 32, 912-919.	10.0	130
6	Evidence of currently-used pesticides in air, ice, fog, seawater and surface microlayer in the Bering and Chukchi seas. <i>Marine Pollution Bulletin</i> , 1996, 32, 410-419.	5.0	128
7	Global hexachlorocyclohexane use trends and their impact on the Arctic atmospheric environment. <i>Geophysical Research Letters</i> , 1998, 25, 39-41.	4.0	123
8	Gas exchange of hexachlorocyclohexane in the Great Lakes. <i>Environmental Science & Technology</i> , 1993, 27, 1304-1311.	10.0	99
9	A review of field experiments to determine air-water gas exchange of persistent organic pollutants. <i>Science of the Total Environment</i> , 1995, 159, 101-117.	8.0	97
10	PESTICIDES IN MOUNTAIN YELLOW-LEGGED FROGS (<i>RANA MUSCOSA</i>) FROM THE SIERRA NEVADA MOUNTAINS OF CALIFORNIA, USA. <i>Environmental Toxicology and Chemistry</i> , 2004, 23, 2170.	4.3	91
11	Organochlorines in the water and biota of Lake Baikal, Siberia. <i>Environmental Science & Technology</i> , 1994, 28, 31-37.	10.0	84
12	Air-Water Gas Exchange of Organochlorine Compounds in Lake Baikal, Russia. <i>Environmental Science & Technology</i> , 1996, 30, 2975-2983.	10.0	82
13	Henry's Law Constants for Pesticides Measured as a Function of Temperature and Salinity. <i>Journal of Agricultural and Food Chemistry</i> , 1997, 45, 2291-2298.	5.2	78
14	Persistence of Polybrominated Diphenyl Ethers in Agricultural Soils after Biosolids Applications. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 3077-3084.	5.2	70
15	PESTICIDES AND AMPHIBIAN POPULATION DECLINES IN CALIFORNIA, USA. <i>Environmental Toxicology and Chemistry</i> , 2001, 20, 1591.	4.3	70
16	Thermodynamic, Spectroscopic, and Computational Evidence for the Irreversible Conversion of Î²- to Î±-Endosulfan. <i>Journal of Agricultural and Food Chemistry</i> , 2001, 49, 5372-5376.	5.2	68
17	Identifying and tracking key odorants from cattle feedlots. <i>Atmospheric Environment</i> , 2011, 45, 4243-4251.	4.1	67
18	Agricultural pesticide residues in oysters and water from two Chesapeake Bay tributaries. <i>Marine Pollution Bulletin</i> , 1998, 37, 32-44.	5.0	63

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19	Runoff Loss of Pesticides and Soil: A Comparison between Vegetative Mulch and Plastic Mulch in Vegetable Production Systems. <i>Journal of Environmental Quality</i> , 2001, 30, 1808-1821.	2.0	62
20	Pesticide Occurrence in Selected South Florida Canals and Biscayne Bay during High Agricultural Activity. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 6040-6048.	5.2	53
21	Solar Radiation, Relative Humidity, and Soil Water Effects on Metolachlor Volatilization. <i>Environmental Science & Technology</i> , 2005, 39, 5219-5226.	10.0	51
22	Climate Change, Carbon Dioxide, and Pest Biology: Monitor, Mitigate, Manage. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 6-12.	5.2	50
23	Chlorpyrifos in the Air and Surface Water of Chesapeake Bay: Predictions of Atmospheric Deposition Fluxes. <i>Environmental Science & Technology</i> , 1997, 31, 1390-1398.	10.0	49
24	Clothianidin in agricultural soils and uptake into corn pollen and canola nectar after multiyear seed treatment applications. <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 311-321.	4.3	48
25	Gas-Phase Analysis of Trimethylamine, Propionic and Butyric Acids, and Sulfur Compounds Using Solid-Phase Microextraction. <i>Analytical Chemistry</i> , 2002, 74, 1054-1060.	6.5	45
26	Atmospheric Deposition of Pesticides to an Agricultural Watershed of the Chesapeake Bay. <i>Journal of Environmental Quality</i> , 2003, 32, 1611-1622.	2.0	43
27	Pesticides and PCB Contaminants in Fish and Tadpoles from the Kaweah River Basin, California. <i>Bulletin of Environmental Contamination and Toxicology</i> , 1998, 60, 829-836.	2.7	39
28	Pesticide distributions and population declines of California, USA, alpine frogs, <i>Rana muscosa</i> and <i>Rana sierrae</i> . <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 682-691.	4.3	37
29	Wet Deposition and Air-Water Gas Exchange of Currently Used Pesticides to a Subestuary of the Chesapeake Bay. <i>Environmental Science & Technology</i> , 2000, 34, 1462-1468.	10.0	36
30	Fate of dietary perchlorate in lactating dairy cows: Relevance to animal health and levels in the milk supply. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 16152-16157.	7.1	36
31	Long-term trends of PBDEs, triclosan, and triclocarban in biosolids from a wastewater treatment plant in the Mid-Atlantic region of the US. <i>Journal of Hazardous Materials</i> , 2015, 282, 68-74.	12.4	36
32	Agricultural Pesticides in the Patuxent River, a Tributary of the Chesapeake Bay. <i>Journal of Environmental Quality</i> , 1999, 28, 928-938.	2.0	34
33	Relating nutrient and herbicide fate with landscape features and characteristics of 15 subwatersheds in the Choptank River watershed. <i>Science of the Total Environment</i> , 2011, 409, 3866-3878.	8.0	34
34	Evidence for Atmospheric Transport and Deposition of Polychlorinated Biphenyls to the Lake Tahoe Basin, California-Nevada. <i>Environmental Science & Technology</i> , 1998, 32, 1378-1385.	10.0	29
35	Volatile organic compounds in pesticide formulations: Methods to estimate ozone formation potential. <i>Atmospheric Environment</i> , 2011, 45, 2404-2412.	4.1	29
36	Spray Irrigation of Treated Municipal Wastewater as a Potential Source of Atmospheric PBDEs. <i>Environmental Science & Technology</i> , 2006, 40, 2142-2148.	10.0	28

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37	Herbicide and Insecticide Loadings from the Susquehanna River to the Northern Chesapeake Bay. <i>Journal of Agricultural and Food Chemistry</i> , 2002, 50, 4385-4392.	5.2	27
38	Agricultural pesticides and selected degradation products in five tidal regions and the main stem of Chesapeake Bay, USA. <i>Environmental Toxicology and Chemistry</i> , 2007, 26, 2567-2578.	4.3	27
39	Wet Deposition of Current Use Pesticides at a Rural Location on the Delmarva Peninsula: Impact of Rainfall Patterns and Agricultural Activity. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 7915-7924.	5.2	26
40	TSP, PM 10, and PM 2.5 emissions from a beef cattle feedlot using the flux-gradient technique. <i>Atmospheric Environment</i> , 2015, 101, 49-57.	4.1	26
41	Fate of some chlorinated hydrocarbons in arctic and far eastern ecosystems in the Russian Federation. <i>Science of the Total Environment</i> , 1995, 160-161, 75-85.	8.0	25
42	Examination of Mechanisms for Odor Compound Generation During Lime Stabilization. <i>Water Environment Research</i> , 2003, 75, 121-125.	2.7	25
43	Metolachlor metabolite (MESA) reveals agricultural nitrate-N fate and transport in Choptank River watershed. <i>Science of the Total Environment</i> , 2014, 473-474, 473-482.	8.0	25
44	Evaluation of an electronic nose for odorant and process monitoring of alkaline-stabilized biosolids production. <i>Chemosphere</i> , 2017, 186, 151-159.	8.2	25
45	In situ effects of pesticides on amphibians in the Sierra Nevada. <i>Ecotoxicology</i> , 2015, 24, 262-278.	2.4	24
46	Collection of nonpolar organic compounds from ambient air using polyurethane foam-granular adsorbent sandwich cartridges. <i>Analytical Chemistry</i> , 1991, 63, 1228-1232.	6.5	23
47	Acetylcholinesterase Activity in Grass Shrimp and Aqueous Pesticide Levels from South Florida Drainage Canals. <i>Archives of Environmental Contamination and Toxicology</i> , 2003, 45, 371-7.	4.1	23
48	Reducing Insecticide and Fungicide Loads in Runoff from Plastic Mulch with Vegetative-Covered Furrows. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 1377-1384.	5.2	23
49	Temperature-Dependent Raman Spectroscopic Evidence of and Molecular Mechanism for Irreversible Isomerization of $\hat{1}^2$ -Endosulfan to $\hat{1}\pm$ -Endosulfan. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 2023-2030.	5.2	23
50	Agrochemical and Nutrient Impacts on Estuaries and Other Aquatic Systems. <i>Journal of Agricultural and Food Chemistry</i> , 2002, 50, 4382-4384.	5.2	22
51	Measured Concentrations of Herbicides and Model Predictions of Atrazine Fate in the Patuxent River Estuary. <i>Journal of Environmental Quality</i> , 2004, 33, 594-604.	2.0	22
52	Pollutant fate and spatio-temporal variability in the choptank river estuary: Factors influencing water quality. <i>Science of the Total Environment</i> , 2010, 408, 2096-2108.	8.0	22
53	Spatial patterns of atmospherically deposited organic contaminants at high elevation in the southern Sierra Nevada mountains, California, USA. <i>Environmental Toxicology and Chemistry</i> , 2010, 29, 1056-1066.	4.3	22
54	Long-range atmospheric transport of toxaphene to Lake Baikal. <i>Chemosphere</i> , 1993, 27, 2027-2036.	8.2	21

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55	Current United States Department of Agriculture?Agricultural Research Service research on understanding agrochemical fate and transport to prevent and mitigate adverse environmental impacts. <i>Pest Management Science</i> , 2003, 59, 681-690.	3.4	21
56	Managing Agricultural Emissions to the Atmosphere: State of the Science, Fate and Mitigation, and Identifying Research Gaps. <i>Journal of Environmental Quality</i> , 2011, 40, 1347-1358.	2.0	21
57	Modification and validation of the Gaussian plume model (GPM) to predict ammonia and particulate matter dispersion. <i>Atmospheric Pollution Research</i> , 2020, 11, 1063-1072.	3.8	20
58	Comparison of copper levels in runoff from fresh-market vegetable production using polyethylene mulch or a vegetative mulch. <i>Environmental Toxicology and Chemistry</i> , 2002, 21, 24-30.	4.3	19
59	Assessment of particulate matter and ammonia emission concentrations and respective plume profiles from a commercial poultry house. <i>Environmental Pollution</i> , 2018, 238, 10-16.	7.5	19
60	SUMMERTIME TRANSPORT OF CURRENT-USE PESTICIDES FROM CALIFORNIA'S CENTRAL VALLEY TO THE SIERRA NEVADA MOUNTAIN RANGE, USA. <i>Environmental Toxicology and Chemistry</i> , 1999, 18, 2715.	4.3	19
61	Endosulfan in the atmosphere of South Florida: Transport to Everglades and Biscayne National Parks. <i>Atmospheric Environment</i> , 2013, 66, 131-140.	4.1	18
62	WET DEPOSITION OF CURRENT-USE PESTICIDES IN THE SIERRA NEVADA MOUNTAIN RANGE, CALIFORNIA, USA. <i>Environmental Toxicology and Chemistry</i> , 1998, 17, 1908.	4.3	18
63	Predicting Perchlorate Exposure in Milk from Concentrations in Dairy Feed. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 8806-8813.	5.2	17
64	Temporal and spatial variation of atmospherically deposited organic contaminants at high elevation in yosemite national park, California, USA. <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 517-525.	4.3	17
65	Laboratory evaluation of polyurethane foam-granular adsorbent sandwich cartridges for collecting chlorophenols from air. <i>Analytical Chemistry</i> , 1992, 64, 2858-2861.	6.5	16
66	Identification of Seasonal Variations in Volatile Sulfur Compound Formation and Release from the Secondary Treatment System at a Large Wastewater Treatment Plant. <i>Water Environment Research</i> , 2008, 80, 2261-2267.	2.7	16
67	Organic amendments for risk mitigation of organochlorine pesticide residues in old orchard soils. <i>Environmental Pollution</i> , 2016, 210, 182-191.	7.5	16
68	Toxaphene contamination in Lake Baikal's water and food web. <i>Chemosphere</i> , 1993, 27, 2017-2026.	8.2	15
69	Utilizing single particle Raman microscopy as a non-destructive method to identify sources of PM10 from cattle feedlot operations. <i>Atmospheric Environment</i> , 2013, 66, 17-24.	4.1	15
70	Polybrominated diphenyl ethers: Residence time in soils receiving biosolids application. <i>Environmental Pollution</i> , 2017, 222, 412-422.	7.5	15
71	USE OF VEGETATIVE FURROWS TO MITIGATE COPPER LOADS AND SOIL LOSS IN RUNOFF FROM POLYETHYLENE (PLASTIC) MULCH VEGETABLE PRODUCTION SYSTEMS. <i>Environmental Toxicology and Chemistry</i> , 2004, 23, 719.	4.3	14
72	Endosulfan wet deposition in Southern Florida (USA). <i>Science of the Total Environment</i> , 2014, 468-469, 505-513.	8.0	14

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73	Overcoming Challenges of Incorporating Higher Tier Data in Ecological Risk Assessments and Risk Management of Pesticides in the United States: Findings and Recommendations from the 2017 Workshop on Regulation and Innovation in Agriculture. <i>Integrated Environmental Assessment and Management</i> , 2019, 15, 714-725.	2.9	14
74	Determination of vapor pressure-temperature relationships of current use pesticides and transformation products. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2007, 42, 343-349.	1.5	13
75	Utilizing thin-film solid-phase extraction to assess the effect of organic carbon amendments on the bioavailability of DDT and dieldrin to earthworms. <i>Environmental Pollution</i> , 2014, 185, 307-313.	7.5	13
76	Concentrations of Particulate Matter Emitted from Large Cattle Feedlots in Kansas. <i>Journal of the Air and Waste Management Association</i> , 2011, 61, 1026-1035.	1.9	12
77	Using a high-organic matter biowall to treat a trichloroethylene plume at the Beaver Dam Road landfill. <i>Environmental Science and Pollution Research</i> , 2018, 25, 8735-8746.	5.3	11
78	Collection of two-ring aromatic hydrocarbons, chlorinated phenols, guaiacols, and benzenes from ambient air using polyurethane foam/Tenax-GC cartridges. <i>Chemosphere</i> , 1998, 37, 885-898.	8.2	9
79	Evaluation of Odor Characteristics of Heat-Dried Biosolids Product. <i>Water Environment Research</i> , 2003, 75, 523-531.	2.7	9
80	Prediction of Dimethyl Disulfide Levels from Biosolids Using Statistical Modeling. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2005, 40, 2009-2025.	1.7	8
81	Assessment of Trace Element Accumulation by Earthworms in an Orchard Soil Remediation Study Using Soil Amendments. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	2.4	8
82	Particulate Emissions from a Beef Cattle Feedlot Using the Flux-Gradient Technique. <i>Journal of Environmental Quality</i> , 2013, 42, 1341-1352.	2.0	6
83	Using a Vegetative Environmental Buffer to Reduce the Concentrations of Volatile Organic Compounds in Poultry-House Atmospheric Emissions. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 8231-8236.	5.2	6
84	Pesticides Are Involved With Population Declines of Amphibians in the California Sierra Nevadas. <i>Scientific World Journal</i> , The, 2001, 1, 200-201.	2.1	5
85	Characterization of Odors from Limed Biosolids Treated with Nitrate and Anthraquinone. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2005, 40, 139-149.	1.7	5
86	Evaluation of vegetable production management practices to reduce the ecological risk of pesticides. <i>Environmental Toxicology and Chemistry</i> , 2007, 26, 2455-2464.	4.3	5
87	Pesticides in Amphibian Habitats of Central and Northern California, USA. <i>ACS Symposium Series</i> , 2013, , 123-150.	0.5	5
88	Using torsional forces to explain the gradient temperature Raman spectra of endosulfan isomers and its irreversible isomerization. <i>Journal of Molecular Structure</i> , 2017, 1139, 43-51.	3.6	5
89	Guidelines for unequivocal structural identification of compounds with biological activity of significance in food chemistry (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , 2019, 91, 1417-1437.	1.9	5
90	Propylene Glycol Vapor Contamination in Controlled Environment Growth Chambers: Toxicity to Corn and Soybean Plants. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2005, 40, 443-448.	1.5	4

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91	Environmental factors affecting the levels of legacy pesticides in the airshed of Delaware and Chesapeake Bays, USA. <i>Environmental Toxicology and Chemistry</i> , 2010, 29, 1893-1906.	4.3	4
92	Performance of commercial nonmethane hydrocarbon analyzers in monitoring oxygenated volatile organic compounds emitted from animal feeding operations. <i>Journal of the Air and Waste Management Association</i> , 2013, 63, 1163-1172.	1.9	4
93	Particulate Emissions from a Beef Cattle Feedlot Using the Flux-Gradient Technique. <i>Journal of Environmental Quality</i> , 2014, 43, 1131-1142.	2.0	4
94	Fate of microconstituents in biosolids composted in an aerated silage bag. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2014, 49, 720-730.	1.7	4
95	Evaluation of Ferrate(VI) as a Conditioner for Dewatering Wastewater Biosolids. <i>ACS Symposium Series</i> , 2008, , 326-338.	0.5	3
96	Augmenting the Efficacy of Fungal and Mycotoxin Control & via; Chemosensitization. <i>Outlooks on Pest Management</i> , 2015, 26, 171-175.	0.2	2
97	Enhanced Dispersion and Removal of Ammonia Emitted from a Poultry House with a Vegetative Environmental Buffer. <i>Agriculture (Switzerland)</i> , 2018, 8, 46.	3.1	2
98	Advances in Genome Editing for Sustainable Agriculture. <i>ACS Agricultural Science and Technology</i> , 2022, 2, 165-166.	2.3	2
99	Environmental Exposures to Agrochemicals in the Sierra Nevada Mountain Range. <i>ACS Symposium Series</i> , 1999, , 53-72.	0.5	1
100	Environmental Fate and Ecological Impact of Copper Hydroxide: Use of Management Practices to Reduce the Transport of Copper Hydroxide in Runoff from Vegetable Production. <i>ACS Symposium Series</i> , 2006, , 230-244.	0.5	1
101	Identification of Seasonal Variations in Volatile Sulfur Compound Formation and Emission from the Secondary Treatment System at a Large Wastewater Treatment Plant. <i>Proceedings of the Water Environment Federation</i> , 2006, 2006, 1142-1153.	0.0	1
102	COMPARISON OF COPPER LEVELS IN RUNOFF FROM FRESH-MARKET VEGETABLE PRODUCTION USING POLYETHYLENE MULCH OR A VEGETATIVE MULCH. <i>Environmental Toxicology and Chemistry</i> , 2002, 21, 24.	4.3	1
103	Critical Reviews Should Illuminate a Path toward Impactful and Fruitful Lines of Research. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 2425-2426.	5.2	1
104	Comparison Between Soil Half-Life of PBDEs in Soils that have Received Biosolids Application. <i>Proceedings of the Water Environment Federation</i> , 2011, 2011, 5011-5019.	0.0	0
105	Utilizing Polymer-Coated Vials To Illustrate the Fugacity and Bioavailability of Chlorinated Pesticide Residues in Contaminated Soils. <i>Journal of Chemical Education</i> , 2013, 90, 479-482.	2.3	0
106	DSC and Raman spectra of $\hat{1}$ and $\hat{2}$ -Endosulfan plus 60/40 mixture. <i>Proceedings of SPIE</i> , 2013, , .	0.8	0
107	A New Era in Agricultural Science Research Where Innovation in Sustainability Takes Center Stage. <i>ACS Agricultural Science and Technology</i> , 2021, 1, 1-2.	2.3	0
108	On-site evaluation of the effects of carbonaceous amendments on the bioavailability of aged organochlorine pesticide residues in soil. <i>Environmental Advances</i> , 2021, 6, 100126.	4.8	0

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109	Integrating Technologies to Minimize Environmental Impacts. Issues in Environmental Science and Technology, 2016, , 1-19.	0.4	0
110	Critical Reviews Should Illuminate a Path toward Impactful and Fruitful Lines of Research. ACS Food Science & Technology, 2022, 2, 435-436.	2.7	0
111	Critical Reviews Should Illuminate a Path Toward Impactful and Fruitful Lines of Research. ACS Agricultural Science and Technology, 2022, 2, 1-2.	2.3	0