Laura L Mcconnell

List of Publications by Year
in descending order

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	Critical Reviews Should Illuminate a Path toward Impactful and Fruitful Lines of Research. Journal of Agricultural and Food Chemistry, 2022, 70, 2425-2426.	5.2	1
2	Critical Reviews Should Illuminate a Path toward Impactful and Fruitful Lines of Research. ACS Food Science & Technology, 2022, 2, 435-436.	2.7	0
3	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
4	Advances in Genome Editing for Sustainable Agriculture. ACS Agricultural Science and Technology, 2022, 2, 165-166.	2.3	2
5	A New Era in Agricultural Science Research Where Innovation in Sustainability Takes Center Stage. ACS Agricultural Science and Technology, 2021, 1, 1-2.	2.3	0
6	On-site evaluation of the effects of carbonaceous amendments on the bioavailability of aged organochlorine pesticide residues in soil. Environmental Advances, 2021, 6, 100126.	4.8	0
7	Modification and validation of the Gaussian plume model (GPM) to predict ammonia and particulate matter dispersion. Atmospheric Pollution Research, 2020, 11, 1063-1072.	3.8	20
8	Guidelines for unequivocal structural identification of compounds with biological activity of significance in food chemistry (IUPAC Technical Report). Pure and Applied Chemistry, 2019, 91, 1417-1437.	1.9	5
9	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. Integrated Environmental Assessment and Management, 2019, 15, 714-725.	2.9	14
10	Using a high-organic matter biowall to treat a trichloroethylene plume at the Beaver Dam Road landfill. Environmental Science and Pollution Research, 2018, 25, 8735-8746.	5.3	11
11	Assessment of particulate matter and ammonia emission concentrations and respective plume profiles from a commercial poultry house. Environmental Pollution, 2018, 238, 10-16.	7.5	19
12	Enhanced Dispersion and Removal of Ammonia Emitted from a Poultry House with a Vegetative Environmental Buffer. Agriculture (Switzerland), 2018, 8, 46.	3.1	2
13	Using a Vegetative Environmental Buffer to Reduce the Concentrations of Volatile Organic Compounds in Poultry-House Atmospheric Emissions. Journal of Agricultural and Food Chemistry, 2018, 66, 8231-8236.	5.2	6
14	Polybrominated diphenyl ethers: Residence time in soils receiving biosolids application. Environmental Pollution, 2017, 222, 412-422.	7.5	15
15	Using torsional forces to explain the gradient temperature Raman spectra of endosulfan isomers and its irreversible isomerization. Journal of Molecular Structure, 2017, 1139, 43-51.	3.6	5
16	Evaluation of an electronic nose for odorant and process monitoring of alkaline-stabilized biosolids production. Chemosphere, 2017, 186, 151-159.	8.2	25
17	Clothianidin in agricultural soils and uptake into corn pollen and canola nectar after multiyear seed treatment applications. Environmental Toxicology and Chemistry, 2016, 35, 311-321.	4.3	48
18	Assessment of Trace Element Accumulation by Earthworms in an Orchard Soil Remediation Study Using Soil Amendments. Water, Air, and Soil Pollution, 2016, 227, 1.	2.4	8

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19	Climate Change, Carbon Dioxide, and Pest Biology: Monitor, Mitigate, Manage. Journal of Agricultural and Food Chemistry, 2016, 64, 6-12.	5.2	50
20	Organic amendments for risk mitigation of organochlorine pesticide residues in old orchard soils. Environmental Pollution, 2016, 210, 182-191.	7.5	16
21	Integrating Technologies to Minimize Environmental Impacts. Issues in Environmental Science and Technology, 2016, , 1-19.	0.4	0
22	Augmenting the Efficacy of Fungal and Mycotoxin Control <I>via</I> Chemosensitization. Outlooks on Pest Management, 2015, 26, 171-175.	0.2	2
23	In situ effects of pesticides on amphibians in the Sierra Nevada. Ecotoxicology, 2015, 24, 262-278.	2.4	24
24	Long-term trends of PBDEs, triclosan, and triclocarban in biosolids from a wastewater treatment plant in the Mid-Atlantic region of the US. Journal of Hazardous Materials, 2015, 282, 68-74.	12.4	36
25	TSP, PM 10 , and PM 2.5 emissions from a beef cattle feedlot using the flux-gradient technique. Atmospheric Environment, 2015, 101, 49-57.	4.1	26
26	Particulate Emissions from a Beef Cattle Feedlot Using the Flux-Gradient Technique. Journal of Environmental Quality, 2014, 43, 1131-1142.	2.0	4
27	Fate of microconstituents in biosolids composted in an aerated silage bag. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2014, 49, 720-730.	1.7	4
28	Endosulfan wet deposition in Southern Florida (USA). Science of the Total Environment, 2014, 468-469, 505-513.	8.0	14
29	Metolachlor metabolite (MESA) reveals agricultural nitrate-N fate and transport in Choptank River watershed. Science of the Total Environment, 2014, 473-474, 473-482.	8.0	25
30	Utilizing thin-film solid-phase extraction to assess the effect of organic carbon amendments on the bioavailability of DDT and dieldrin to earthworms. Environmental Pollution, 2014, 185, 307-313.	7.5	13
31	Temperature-Dependent Raman Spectroscopic Evidence of and Molecular Mechanism for Irreversible Isomerization of Î²-Endosulfan to Î±-Endosulfan. Journal of Agricultural and Food Chemistry, 2014, 62, 2023-2030.	5.2	23
32	Endosulfan in the atmosphere of South Florida: Transport to Everglades and Biscayne National Parks. Atmospheric Environment, 2013, 66, 131-140.	4.1	18
33	Utilizing single particle Raman microscopy as a non-destructive method to identify sources of PM10 from cattle feedlot operations. Atmospheric Environment, 2013, 66, 17-24.	4.1	15
34	Utilizing Polymer-Coated Vials To Illustrate the Fugacity and Bioavailability of Chlorinated Pesticide Residues in Contaminated Soils. Journal of Chemical Education, 2013, 90, 479-482.	2.3	0
35	DSC and Raman spectra of Î± and Î²-Endosulfan plus 60/40 mixture. Proceedings of SPIE, 2013, , .	0.8	0
36	Pesticides in Amphibian Habitats of Central and Northern California, USA. ACS Symposium Series, 2013, , 123-150.	0.5	5

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37	Temporal and spatial variation of atmospherically deposited organic contaminants at high elevation in yosemite national park, California, USA. Environmental Toxicology and Chemistry, 2013, 32, 517-525.	4.3	17
38	Performance of commercial nonmethane hydrocarbon analyzers in monitoring oxygenated volatile organic compounds emitted from animal feeding operations. Journal of the Air and Waste Management Association, 2013, 63, 1163-1172.	1.9	4
39	Characterizing the isotopic composition of atmospheric ammonia emission sources using passive samplers and a combined oxidationâ€bacterial denitrifier approach. Rapid Communications in Mass Spectrometry, 2013, 27, 2239-2246.	1.5	153
40	Particulate Emissions from a Beef Cattle Feedlot Using the Flux-Gradient Technique. Journal of Environmental Quality, 2013, 42, 1341-1352.	2.0	6
41	Managing Agricultural Emissions to the Atmosphere: State of the Science, Fate and Mitigation, and Identifying Research Gaps. Journal of Environmental Quality, 2011, 40, 1347-1358.	2.0	21
42	Relating nutrient and herbicide fate with landscape features and characteristics of 15 subwatersheds in the Choptank River watershed. Science of the Total Environment, 2011, 409, 3866-3878.	8.0	34
43	Volatile organic compounds in pesticide formulations: Methods to estimate ozone formation potential. Atmospheric Environment, 2011, 45, 2404-2412.	4.1	29
44	Identifying and tracking key odorants from cattle feedlots. Atmospheric Environment, 2011, 45, 4243-4251.	4.1	67
45	Pesticide distributions and population declines of California, USA, alpine frogs, Rana muscosa and Rana sierrae. Environmental Toxicology and Chemistry, 2011, 30, 682-691.	4.3	37
46	Comparison Between Soil Halfâ€“Life of PBDEs in Soils that have Received Biosolids Application. Proceedings of the Water Environment Federation, 2011, 2011, 5011-5019.	0.0	0
47	Concentrations of Particulate Matter Emitted from Large Cattle Feedlots in Kansas. Journal of the Air and Waste Management Association, 2011, 61, 1026-1035.	1.9	12
48	Pollutant fate and spatio-temporal variability in the choptank river estuary: Factors influencing water quality. Science of the Total Environment, 2010, 408, 2096-2108.	8.0	22
49	Spatial patterns of atmospherically deposited organic contaminants at high elevation in the southern Sierra Nevada mountains, California, USA. Environmental Toxicology and Chemistry, 2010, 29, 1056-1066.	4.3	22
50	Environmental factors affecting the levels of legacy pesticides in the airshed of Delaware and Chesapeake Bays, USA. Environmental Toxicology and Chemistry, 2010, 29, 1893-1906.	4.3	4
51	Persistence of Polybrominated Diphenyl Ethers in Agricultural Soils after Biosolids Applications. Journal of Agricultural and Food Chemistry, 2010, 58, 3077-3084.	5.2	70
52	Evaluation of Ferrate(VI) as a Conditioner for Dewatering Wastewater Biosolids. ACS Symposium Series, 2008, , 326-338.	0.5	3
53	Identification of Seasonal Variations in Volatile Sulfur Compound Formation and Release from the Secondary Treatment System at a Large Wastewater Treatment Plant. Water Environment Research, 2008, 80, 2261-2267.	2.7	16
54	Determination of vapor pressure-temperature relationships of currentâ€“use pesticides and transformation products. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2007, 42, 343-349.	1.5	13

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55	Reducing Insecticide and Fungicide Loads in Runoff from Plastic Mulch with Vegetative-Covered Furrows. Journal of Agricultural and Food Chemistry, 2007, 55, 1377-1384.	5.2	23
56	Predicting Perchlorate Exposure in Milk from Concentrations in Dairy Feed. Journal of Agricultural and Food Chemistry, 2007, 55, 8806-8813.	5.2	17
57	Agricultural pesticides and selected degradation products in five tidal regions and the main stem of Chesapeake Bay, USA. Environmental Toxicology and Chemistry, 2007, 26, 2567-2578.	4.3	27
58	Evaluation of vegetable production management practices to reduce the ecological risk of pesticides. Environmental Toxicology and Chemistry, 2007, 26, 2455-2464.	4.3	5
59	Spray Irrigation of Treated Municipal Wastewater as a Potential Source of Atmospheric PBDEs. Environmental Science & Technology, 2006, 40, 2142-2148.	10.0	28
60	Environmental Fate and Ecological Impact of Copper Hydroxide: Use of Management Practices to Reduce the Transport of Copper Hydroxide in Runoff from Vegetable Production. ACS Symposium Series, 2006, , 230-244.	0.5	1
61	Identification of Seasonal Variations in Volatile Sulfur Compound Formation and Emission from the Secondary Treatment System at a Large Wastewater Treatment Plant. Proceedings of the Water Environment Federation, 2006, 2006, 1142-1153.	0.0	1
62	Fate of dietary perchlorate in lactating dairy cows: Relevance to animal health and levels in the milk supply. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 16152-16157.	7.1	36
63	Characterization of Odors from Limed Biosolids Treated with Nitrate and Anthraquinone. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2005, 40, 139-149.	1.7	5
64	Prediction of Dimethyl Disulfide Levels from Biosolids Using Statistical Modeling. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2005, 40, 2009-2025.	1.7	8
65	Propylene Glycol Vapor Contamination in Controlled Environment Growth Chambers: Toxicity to Corn and Soybean Plants. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2005, 40, 443-448.	1.5	4
66	Pesticide Occurrence in Selected South Florida Canals and Biscayne Bay during High Agricultural Activity. Journal of Agricultural and Food Chemistry, 2005, 53, 6040-6048.	5.2	53
67	Solar Radiation, Relative Humidity, and Soil Water Effects on Metolachlor Volatilization. Environmental Science & Technology, 2005, 39, 5219-5226.	10.0	51
68	Wet Deposition of Current Use Pesticides at a Rural Location on the Delmarva Peninsula:Â Impact of Rainfall Patterns and Agricultural Activity. Journal of Agricultural and Food Chemistry, 2005, 53, 7915-7924.	5.2	26
69	Measured Concentrations of Herbicides and Model Predictions of Atrazine Fate in the Patuxent River Estuary. Journal of Environmental Quality, 2004, 33, 594-604.	2.0	22
70	USE OF VEGETATIVE FURROWS TO MITIGATE COPPER LOADS AND SOIL LOSS IN RUNOFF FROM POLYETHYLENE (PLASTIC) MULCH VEGETABLE PRODUCTION SYSTEMS. Environmental Toxicology and Chemistry, 2004, 23, 719.	4.3	14
71	PESTICIDES IN MOUNTAIN YELLOW-LEGGED FROGS (RANA MUSCOSA) FROM THE SIERRA NEVADA MOUNTAINS OF CALIFORNIA, USA. Environmental Toxicology and Chemistry, 2004, 23, 2170.	4.3	91
72	Acetylcholinesterase Activity in Grass Shrimp and Aqueous Pesticide Levels from South Florida Drainage Canals. Archives of Environmental Contamination and Toxicology, 2003, 45, 371-7.	4.1	23

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73	Current United States Department of Agriculture?Agricultural Research Service research on understanding agrochemical fate and transport to prevent and mitigate adverse environmental impacts. Pest Management Science, 2003, 59, 681-690.	3.4	21
74	Examination of Mechanisms for Odor Compound Generation During Lime Stabilization. Water Environment Research, 2003, 75, 121-125.	2.7	25
75	Evaluation of Odor Characteristics of Heat-Dried Biosolids Product. Water Environment Research, 2003, 75, 523-531.	2.7	9
76	Atmospheric Deposition of Pesticides to an Agricultural Watershed of the Chesapeake Bay. Journal of Environmental Quality, 2003, 32, 1611-1622.	2.0	43
77	Herbicide and Insecticide Loadings from the Susquehanna River to the Northern Chesapeake Bay. Journal of Agricultural and Food Chemistry, 2002, 50, 4385-4392.	5.2	27
78	Agrochemical and Nutrient Impacts on Estuaries and Other Aquatic Systems. Journal of Agricultural and Food Chemistry, 2002, 50, 4382-4384.	5.2	22
79	Gas-Phase Analysis of Trimethylamine, Propionic and Butyric Acids, and Sulfur Compounds Using Solid-Phase Microextraction. Analytical Chemistry, 2002, 74, 1054-1060.	6.5	45
80	Comparison of copper levels in runoff from freshâ€market vegetable production using polyethylene mulch or a vegetative mulch. Environmental Toxicology and Chemistry, 2002, 21, 24-30.	4.3	19
81	COMPARISON OF COPPER LEVELS IN RUNOFF FROM FRESH-MARKET VEGETABLE PRODUCTION USING POLYETHYLENE MULCH OR A VEGETATIVE MULCH. Environmental Toxicology and Chemistry, 2002, 21, 24.	4.3	1
82	Thermodynamic, Spectroscopic, and Computational Evidence for the Irreversible Conversion of Î²- to Î±-Endosulfan. Journal of Agricultural and Food Chemistry, 2001, 49, 5372-5376.	5.2	68
83	Pesticides Are Involved With Population Declines of Amphibians in the California Sierra Nevadas. Scientific World Journal, The, 2001, 1, 200-201.	2.1	5
84	Runoff Loss of Pesticides and Soil: A Comparison between Vegetative Mulch and Plastic Mulch in Vegetable Production Systems. Journal of Environmental Quality, 2001, 30, 1808-1821.	2.0	62
85	Pesticides and amphibian population declines in California, USA. Environmental Toxicology and Chemistry, 2001, 20, 1591-1595.	4.3	259
86	PESTICIDES AND AMPHIBIAN POPULATION DECLINES IN CALIFORNIA, USA. Environmental Toxicology and Chemistry, 2001, 20, 1591.	4.3	70
87	Wet Deposition and Airâ^'Water Gas Exchange of Currently Used Pesticides to a Subestuary of the Chesapeake Bay. Environmental Science & Technology, 2000, 34, 1462-1468.	10.0	36
88	Agricultural Pesticides in the Patuxent River, a Tributary of the Chesapeake Bay. Journal of Environmental Quality, 1999, 28, 928-938.	2.0	34
89	Summertime transport of currentâ€use pesticides from California's Central Valley to the Sierra Nevada Mountain Range, USA. Environmental Toxicology and Chemistry, 1999, 18, 2715-2722.	4.3	157
90	Environmental Exposures to Agrochemicals in the Sierra Nevada Mountain Range. ACS Symposium Series, 1999, , 53-72.	0.5	1

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91	SUMMERTIME TRANSPORT OF CURRENT-USE PESTICIDES FROM CALIFORNIA'S CENTRAL VALLEY TO THE SIERRA NEVADA MOUNTAIN RANGE, USA. Environmental Toxicology and Chemistry, 1999, 18, 2715.	4.3	19
92	Agricultural pesticide residues in oysters and water from two chesapeake bay tributaries. Marine Pollution Bulletin, 1998, 37, 32-44.	5.0	63
93	Wet deposition of currentâ€use pesticides in the Sierra Nevada mountain range, California, USA. Environmental Toxicology and Chemistry, 1998, 17, 1908-1916.	4.3	151
94	Pesticides and PCB Contaminants in Fish and Tadpoles from the Kaweah River Basin, California. Bulletin of Environmental Contamination and Toxicology, 1998, 60, 829-836.	2.7	39
95	Collection of two-ring aromatic hydrocarbons, chlorinated phenols, guaiacols, and benzenes from ambient air using polyurethane foam/Tenax-GC cartridges. Chemosphere, 1998, 37, 885-898.	8.2	9
96	Diffusive Exchange of Gaseous Polycyclic Aromatic Hydrocarbons and Polychlorinated Biphenyls Across the Airâ^'Water Interface of the Chesapeake Bay. Environmental Science & Technology, 1998, 32, 912-919.	10.0	130
97	Evidence for Atmospheric Transport and Deposition of Polychlorinated Biphenyls to the Lake Tahoe Basin, Californiaâ^'Nevada. Environmental Science & Technology, 1998, 32, 1378-1385.	10.0	29
98	Global hexachlorocyclohexane use trends and their impact on the Arctic atmospheric environment. Geophysical Research Letters, 1998, 25, 39-41.	4.0	123
99	WET DEPOSITION OF CURRENT-USE PESTICIDES IN THE SIERRA NEVADA MOUNTAIN RANGE, CALIFORNIA, USA. Environmental Toxicology and Chemistry, 1998, 17, 1908.	4.3	18
100	Chlorpyrifos in the Air and Surface Water of Chesapeake Bay:Â Predictions of Atmospheric Deposition Fluxes. Environmental Science & Technology, 1997, 31, 1390-1398.	10.0	49
101	Henry's Law Constants for Pesticides Measured as a Function of Temperature and Salinity. Journal of Agricultural and Food Chemistry, 1997, 45, 2291-2298.	5.2	78
102	Evidence of currently-used pesticides in air, ice, fog, seawater and surface microlayer in the Bering and Chukchi seas. Marine Pollution Bulletin, 1996, 32, 410-419.	5.0	128
103	Airâ^'Water Gas Exchange of Organochlorine Compounds in Lake Baikal, Russia. Environmental Science & Technology, 1996, 30, 2975-2983.	10.0	82
104	A review of field experiments to determine air-water gas exchange of persistent organic pollutants. Science of the Total Environment, 1995, 159, 101-117.	8.0	97
105	Fate of some chlorinated hydrocarbons in arctic and far eastern ecosystems in the Russian Federation. Science of the Total Environment, 1995, 160-161, 75-85.	8.0	25
106	Organochlorines in the water and biota of Lake Baikal, Siberia. Environmental Science & Technology, 1994, 28, 31-37.	10.0	84
107	Toxaphene contamination in Lake Baikal's water and food web. Chemosphere, 1993, 27, 2017-2026.	8.2	15
108	Long-range atmospheric transport of toxaphene to Lake Baikal. Chemosphere, 1993, 27, 2027-2036.	8.2	21

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109	Gas exchange of hexachlorocyclohexane in the Great Lakes. Environmental Science & Technology, 1993, 27, 1304-1311.	10.0	99
110	Laboratory evaluation of polyurethane foam-granular adsorbent sandwich cartridges for collecting chlorophenols from air. Analytical Chemistry, 1992, 64, 2858-2861.	6.5	16
111	Collection of nonpolar organic compounds from ambient air using polyurethane foam-granular adsorbent sandwich cartridges. Analytical Chemistry, 1991, 63, 1228-1232.	6.5	23