

Gregory H Lefevre

List of Publications by Year in descending order

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32
papers

1,741
citations

394421

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434195

31
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docs citations

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times ranked

1867
citing authors

#	ARTICLE	IF	CITATIONS
1	Combining Experimental Sorption Parameters with QSAR to Predict Neonicotinoid and Transformation Product Sorption to Carbon Nanotubes and Granular Activated Carbon. ACS ES&T Water, 2022, 2, 247-258.	4.6	4
2	The regenerative role of biofilm in the removal of pesticides from stormwater in biochar-amended biofilters. Environmental Science: Water Research and Technology, 2022, 8, 1092-1110.	2.4	5
3	White Rot Fungi Produce Novel Tire Wear Compound Metabolites and Reveal Underappreciated Amino Acid Conjugation Pathways. Environmental Science and Technology Letters, 2022, 9, 391-399.	8.7	14
4	The use of recycled materials in a biofilter to polish anammox wastewater treatment plant effluent. Chemosphere, 2022, 296, 134058.	8.2	4
5	Acid- and Base-Mediated Hydrolysis of Dichloroacetamide Herbicide Safeners. Environmental Science & Technology, 2022, 56, 325-334.	10.0	4
6	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
7	Improving the spatial and temporal monitoring of cyanotoxins in Iowa lakes using a multiscale and multi-modal monitoring approach. Science of the Total Environment, 2021, 760, 143327.	8.0	8
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	Evaluation of pilot-scale biochar-amended woodchip bioreactors to remove nitrate, metals, and trace organic contaminants from urban stormwater runoff. Water Research, 2019, 154, 1-11.	11.3	125
16	Photochemical Transformations of Dichloroacetamide Safeners. Environmental Science & Technology, 2019, 53, 6738-6746.	10.0	20
17	Quantifying the temperature dependence of nitrate reduction in woodchip bioreactors: experimental and modeled results with applied case-study. Environmental Science: Water Research and Technology, 2019, 5, 782-797.	2.4	19
18	Synergistic <i>Lemna</i> Duckweed and Microbial Transformation of Imidacloprid and Thiacloprid Neonicotinoids. Environmental Science and Technology Letters, 2019, 6, 761-767.	8.7	28

#	ARTICLE	IF	CITATIONS
19	Chlorinated Byproducts of Neonicotinoids and Their Metabolites: An Unrecognized Human Exposure Potential?. <i>Environmental Science and Technology Letters</i> , 2019, 6, 98-105.	8.7	70
20	Emerging investigator series: the role of vegetation in bioretention for stormwater treatment in the built environment: pollutant removal, hydrologic function, and ancillary benefits. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 592-612.	2.4	86
21	Benzotriazole (BT) and BT plant metabolites in crops irrigated with recycled water. <i>Environmental Science: Water Research and Technology</i> , 2017, 3, 213-223.	2.4	29
22	Evaluation of Mechanistic Models for Nitrate Removal in Woodchip Bioreactors. <i>Environmental Science & Technology</i> , 2017, 51, 5156-5164.	10.0	63
23	Occurrence of Neonicotinoid Insecticides in Finished Drinking Water and Fate during Drinking Water Treatment. <i>Environmental Science and Technology Letters</i> , 2017, 4, 168-173.	8.7	206
24	Competing mechanisms for perfluoroalkyl acid accumulation in plants revealed using an <i>Arabidopsis</i> model system. <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 1138-1147.	4.3	59
25	Metabolization and degradation kinetics of the urban-use pesticide fipronil by white rot fungus <i>Trametes versicolor</i> . <i>Environmental Sciences: Processes and Impacts</i> , 2016, 18, 1256-1265.	3.5	48
26	Plant Assimilation Kinetics and Metabolism of 2-Mercaptobenzothiazole Tire Rubber Vulcanizers by <i>Arabidopsis</i> . <i>Environmental Science & Technology</i> , 2016, 50, 6762-6771.	10.0	40
27	Review of Dissolved Pollutants in Urban Storm Water and Their Removal and Fate in Bioretention Cells. <i>Journal of Environmental Engineering, ASCE</i> , 2015, 141, .	1.4	242
28	Rapid Phytotransformation of Benzotriazole Generates Synthetic Tryptophan and Auxin Analogs in <i>Arabidopsis</i> . <i>Environmental Science & Technology</i> , 2015, 49, 10959-10968.	10.0	86
29	Root Exudate Enhanced Contaminant Desorption: An Abiotic Contribution to the Rhizosphere Effect. <i>Environmental Science & Technology</i> , 2013, 47, 11545-11553.	10.0	124
30	The role of biodegradation in limiting the accumulation of petroleum hydrocarbons in raingarden soils. <i>Water Research</i> , 2012, 46, 6753-6762.	11.3	65
31	Fate of Naphthalene in Laboratory-Scale Bioretention Cells: Implications for Sustainable Stormwater Management. <i>Environmental Science & Technology</i> , 2012, 46, 995-1002.	10.0	58
32	Using the NSF Graduate Research Fellowship Proposal to Train Original Scientific Writing Skills in First-Year Graduate Students: A Demonstrated Project at the University of Iowa. <i>Environmental Engineering Science</i> , 0, , .	1.6	1