# Gregory H Lefevre

List of Publications by Year
in descending order



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|---|---|---|---|
| 32 papers | 1,741 citations | 394421 19 h-index | 434195 31 g-index |
| 32 all docs | 32 docs citations | 32 times ranked | 1867 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Review of Dissolved Pollutants in Urban Storm Water and Their Removal and Fate in Bioretention Cells. Journal of Environmental Engineering, ASCE, 2015, 141, . | 1.4 | 242 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | Root Exudate Enhanced Contaminant Desorption: An Abiotic Contribution to the Rhizosphere Effect. Environmental Science & Technology, 2013, 47, 11545-11553. | 10.0 | 124 |
| 6 | Rapid Phytotransformation of Benzotriazole Generates Synthetic Tryptophan and Auxin Analogs in Arabidopsis. Environmental Science & Technology, 2015, 49, 10959-10968. | 10.0 | 86 |
| 7 | Emerging investigator series: the role of vegetation in bioretention for stormwater treatment in the built environment: pollutant removal, hydrologic function, and ancillary benefits. Environmental Science: Water Research and Technology, 2018, 4, 592-612. | 2.4 | 86 |
| 8 | Chlorinated Byproducts of Neonicotinoids and Their Metabolites: An Unrecognized Human Exposure Potential?. Environmental Science and Technology Letters, 2019, 6, 98-105. | 8.7 | 70 |
| 9 | The role of biodegradation in limiting the accumulation of petroleum hydrocarbons in raingarden soils. Water Research, 2012, 46, 6753-6762. | 11.3 | 65 |
| 10 | Evaluation of Mechanistic Models for Nitrate Removal in Woodchip Bioreactors. Environmental Science & Technology, 2017, 51, 5156-5164. | 10.0 | 63 |
| 11 | Competing mechanisms for perfluoroalkyl acid accumulation in plants revealed using an Arabidopsis model system. Environmental Toxicology and Chemistry, 2016, 35, 1138-1147. | 4.3 | 59 |
| 12 | Fate of Naphthalene in Laboratory-Scale Bioretention Cells: Implications for Sustainable Stormwater Management. Environmental Science & Technology, 2012, 46, 995-1002. | 10.0 | 58 |
| 13 | Metabolization and degradation kinetics of the urban-use pesticide fipronil by white rot fungus Trametes versicolor. Environmental Sciences: Processes and Impacts, 2016, 18, 1256-1265. | 3.5 | 48 |
| 14 | Plant Assimilation Kinetics and Metabolism of 2-Mercaptobenzothiazole Tire Rubber Vulcanizers by Arabidopsis. Environmental Science & Technology, 2016, 50, 6762-6771. | 10.0 | 40 |
| 15 | 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 |
| 16 | Benzotriazole (BT) and BT plant metabolites in crops irrigated with recycled water. Environmental Science: Water Research and Technology, 2017, 3, 213-223. | 2.4 | 29 |
| 17 | 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 |
| 18 | Synergistic Lemna 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 | 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 |
| 20 | 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 |
| 21 | Photochemical Transformations of Dichloroacetamide Safeners. Environmental Science & Technology, 2019, 53, 6738-6746. | 10.0 | 20 |
| 22 | 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 |
| 23 | 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 |
| 24 | 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 |
| 25 | 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 |
| 26 | 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 |
| 27 | 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 |
| 28 | 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 |
| 29 | 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 |
| 30 | The use of recycled materials in a biofilter to polish anammox wastewater treatment plant effluent. Chemosphere, 2022, 296, 134058. | 8.2 | 4 |
| 31 | Acid- and Base-Mediated Hydrolysis of Dichloroacetamide Herbicide Safeners. Environmental Science & Technology, 2022, 56, 325-334. | 10.0 | 4 |
| 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. Environmental Engineering Science, 0, , . | 1.6 | 1 |