

James Levis

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,419
citations

430754

18
h-index

501076

28
g-index

30
all docs

30
docs citations

30
times ranked

1545
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | National Estimate of Per- and Polyfluoroalkyl Substance (PFAS) Release to U.S. Municipal Landfill Leachate. <i>Environmental Science & Technology</i> , 2017, 51, 2197-2205. | 4.6 | 236 |
| 2 | Assessment of the state of food waste treatment in the United States and Canada. <i>Waste Management</i> , 2010, 30, 1486-1494. | 3.7 | 157 |
| 3 | What Is the Most Environmentally Beneficial Way to Treat Commercial Food Waste?. <i>Environmental Science & Technology</i> , 2011, 45, 7438-7444. | 4.6 | 120 |
| 4 | Analysis of material recovery facilities for use in life-cycle assessment. <i>Waste Management</i> , 2015, 35, 307-317. | 3.7 | 99 |
| 5 | Application of LCA modelling in integrated waste management. <i>Waste Management</i> , 2020, 118, 313-322. | 3.7 | 93 |
| 6 | Is Biodegradability a Desirable Attribute for Discarded Solid Waste? Perspectives from a National Landfill Greenhouse Gas Inventory Model. <i>Environmental Science & Technology</i> , 2011, 45, 5470-5476. | 4.6 | 90 |
| 7 | A generalized multistage optimization modeling framework for life cycle assessment-based integrated solid waste management. <i>Environmental Modelling and Software</i> , 2013, 50, 51-65. | 1.9 | 78 |
| 8 | Smart Infrastructure: A Vision for the Role of the Civil Engineering Profession in Smart Cities. <i>Journal of Infrastructure Systems</i> , 2020, 26, . | 1.0 | 72 |
| 9 | Systematic Evaluation of Industrial, Commercial, and Institutional Food Waste Management Strategies in the United States. <i>Environmental Science & Technology</i> , 2016, 50, 8444-8452. | 4.6 | 56 |
| 10 | Evaluation of Externality Costs in Life-Cycle Optimization of Municipal Solid Waste Management Systems. <i>Environmental Science & Technology</i> , 2017, 51, 3119-3127. | 4.6 | 52 |
| 11 | Systematic Exploration of Efficient Strategies to Manage Solid Waste in U.S. Municipalities: Perspectives from the Solid Waste Optimization Life-Cycle Framework (SWOLF). <i>Environmental Science & Technology</i> , 2014, 48, 3625-3631. | 4.6 | 49 |
| 12 | Characterization of municipal solid waste collection operations. <i>Resources, Conservation and Recycling</i> , 2016, 114, 92-102. | 5.3 | 47 |
| 13 | Solid Waste Management Policy Implications on Waste Process Choices and Systemwide Cost and Greenhouse Gas Performance. <i>Environmental Science & Technology</i> , 2019, 53, 1766-1775. | 4.6 | 40 |
| 14 | Life-Cycle Assessment of a Regulatory Compliant U.S. Municipal Solid Waste Landfill. <i>Environmental Science & Technology</i> , 2021, 55, 13583-13592. | 4.6 | 32 |
| 15 | What Is the Best End Use for Compost Derived from the Organic Fraction of Municipal Solid Waste?. <i>Environmental Science & Technology</i> , 2021, 55, 73-81. | 4.6 | 26 |
| 16 | Economics of Enhancing Nutrient Circularity in an Organic Waste Valorization System. <i>Environmental Science & Technology</i> , 2019, 53, 6123-6132. | 4.6 | 24 |
| 17 | An Assessment of the Dynamic Global Warming Impact Associated with Long-Term Emissions from Landfills. <i>Environmental Science & Technology</i> , 2020, 54, 1304-1313. | 4.6 | 22 |
| 18 | Lifecycle Process Model for Municipal Solid Waste Collection. <i>Journal of Environmental Engineering, ASCE</i> , 2016, 142, . | 0.7 | 20 |

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|----|--|-----|-----------|
| 19 | Application of a Life Cycle Model for European Union Policy-Driven Waste Management Decision Making in Emerging Economies. <i>Journal of Industrial Ecology</i> , 2018, 22, 341-355. | 2.8 | 20 |
| 20 | A review of the airborne and waterborne emissions from uncontrolled solid waste disposal sites. <i>Critical Reviews in Environmental Science and Technology</i> , 2017, 47, 1003-1041. | 6.6 | 16 |
| 21 | Quantifying the Greenhouse Gas Emission Reductions Associated with Recycling Hot Mix Asphalt. <i>Road Materials and Pavement Design</i> , 2011, 12, 57-77. | 2.0 | 14 |
| 22 | Approaches to fill data gaps and evaluate process completeness in LCA—perspectives from solid waste management systems. <i>International Journal of Life Cycle Assessment</i> , 2019, 24, 1587-1601. | 2.2 | 12 |
| 23 | Development of Streamlined Life-Cycle Assessment for the Solid Waste Management System. <i>Environmental Science & Technology</i> , 2021, 55, 5475-5484. | 4.6 | 12 |
| 24 | Life-cycle modeling of nutrient and energy recovery through mixed waste processing systems. <i>Resources, Conservation and Recycling</i> , 2021, 169, 105503. | 5.3 | 10 |
| 25 | Application and testing of risk screening tools for nanomaterial risk analysis. <i>Environmental Science: Nano</i> , 2018, 5, 1844-1858. | 2.2 | 7 |
| 26 | Solid waste optimization life-cycle framework in Python (SwolfPy). <i>Journal of Industrial Ecology</i> , 2022, 26, 748-762. | 2.8 | 7 |
| 27 | Construction and Setup of a Bench-scale Algal Photosynthetic Bioreactor with Temperature, Light, and pH Monitoring for Kinetic Growth Tests. <i>Journal of Visualized Experiments</i> , 2017, , . | 0.2 | 3 |
| 28 | Exploring alternative solid waste management strategies for achieving policy goals. <i>Engineering Optimization</i> , 2021, 53, 905-918. | 1.5 | 3 |
| 29 | Life-Cycle Modeling of Municipal Solid Waste Landfills. , 2017, , . | | 1 |
| 30 | Quantifying the Greenhouse Gas Emission Reductions Associated with Recycling Hot Mix Asphalt. <i>Road Materials and Pavement Design</i> , 2011, 12, 57-77. | 2.0 | 1 |