James Levis

List of Publications by Year in descending order

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	Solid waste optimization lifeâ€cycle framework in Python (SwolfPy). Journal of Industrial Ecology, 2022, 26, 748-762.	2.8	7
2	Exploring alternative solid waste management strategies for achieving policy goals. Engineering Optimization, 2021, 53, 905-918.	1.5	3
3	What Is the Best End Use for Compost Derived from the Organic Fraction of Municipal Solid Waste?. Environmental Science & Technology, 2021, 55, 73-81.	4.6	26
4	Development of Streamlined Life-Cycle Assessment for the Solid Waste Management System. Environmental Science & Technology, 2021, 55, 5475-5484.	4.6	12
5	Life-cycle modeling of nutrient and energy recovery through mixed waste processing systems. Resources, Conservation and Recycling, 2021, 169, 105503.	5.3	10
6	Life-Cycle Assessment of a Regulatory Compliant U.S. Municipal Solid Waste Landfill. Environmental Science & Technology, 2021, 55, 13583-13592.	4.6	32
7	An Assessment of the Dynamic Global Warming Impact Associated with Long-Term Emissions from Landfills. Environmental Science & Technology, 2020, 54, 1304-1313.	4.6	22
8	Application of LCA modelling in integrated waste management. Waste Management, 2020, 118, 313-322.	3.7	93
9	Smart Infrastructure: A Vision for the Role of the Civil Engineering Profession in Smart Cities. Journal of Infrastructure Systems, 2020, 26, .	1.0	72
10	Economics of Enhancing Nutrient Circularity in an Organic Waste Valorization System. Environmental Science & Technology, 2019, 53, 6123-6132.	4.6	24
11	Approaches to fill data gaps and evaluate process completeness in LCAâ€”perspectives from solid waste management systems. International Journal of Life Cycle Assessment, 2019, 24, 1587-1601.	2.2	12
12	Solid Waste Management Policy Implications on Waste Process Choices and Systemwide Cost and Greenhouse Gas Performance. Environmental Science & Technology, 2019, 53, 1766-1775.	4.6	40
13	Application of a Life Cycle Model for European Union Policyâ€Driven Waste Management Decision Making in Emerging Economies. Journal of Industrial Ecology, 2018, 22, 341-355.	2.8	20
14	Application and testing of risk screening tools for nanomaterial risk analysis. Environmental Science: Nano, 2018, 5, 1844-1858.	2.2	7
15	Evaluation of Externality Costs in Life-Cycle Optimization of Municipal Solid Waste Management Systems. Environmental Science & Technology, 2017, 51, 3119-3127.	4.6	52
16	National Estimate of Per- and Polyfluoroalkyl Substance (PFAS) Release to U.S. Municipal Landfill Leachate. Environmental Science & Technology, 2017, 51, 2197-2205.	4.6	236
17	Life-Cycle Modeling of Municipal Solid Waste Landfills. , 2017, , .		1
18	Construction and Setup of a Bench-scale Algal Photosynthetic Bioreactor with Temperature, Light, and pH Monitoring for Kinetic Growth Tests. Journal of Visualized Experiments, 2017, , .	0.2	3

#	Article	IF	Citations
19	A review of the airborne and waterborne emissions from uncontrolled solid waste disposal sites. Critical Reviews in Environmental Science and Technology, 2017, 47, 1003-1041.	6.6	16
20	Systematic Evaluation of Industrial, Commercial, and Institutional Food Waste Management Strategies in the United States. Environmental Science & Technology, 2016, 50, 8444-8452.	4.6	56
21	Characterization of municipal solid waste collection operations. Resources, Conservation and Recycling, 2016, 114, 92-102.	5.3	47
22	Lifecycle Process Model for Municipal Solid Waste Collection. Journal of Environmental Engineering, ASCE, 2016, 142, .	0.7	20
23	Analysis of material recovery facilities for use in life-cycle assessment. Waste Management, 2015, 35, 307-317.	3.7	99
24	Systematic Exploration of Efficient Strategies to Manage Solid Waste in U.S. Municipalities: Perspectives from the Solid Waste Optimization Life-Cycle Framework (SWOLF). Environmental Science & Technology, 2014, 48, 3625-3631.	4.6	49
25	A generalized multistage optimization modeling framework for life cycle assessment-based integrated solid waste management. Environmental Modelling and Software, 2013, 50, 51-65.	1.9	78
26	Quantifying the Greenhouse Gas Emission Reductions Associated with Recycling Hot Mix Asphalt. Road Materials and Pavement Design, 2011, 12, 57-77.	2.0	14
27	What Is the Most Environmentally Beneficial Way to Treat Commercial Food Waste?. Environmental Science & Technology, 2011, 45, 7438-7444.	4.6	120
28	Is Biodegradability a Desirable Attribute for Discarded Solid Waste? Perspectives from a National Landfill Greenhouse Gas Inventory Model. Environmental Science & Technology, 2011, 45, 5470-5476.	4.6	90
29	Quantifying the Greenhouse Gas Emission Reductions Associated with Recycling Hot Mix Asphalt. Road Materials and Pavement Design, 2011, 12, 57-77.	2.0	1
30	Assessment of the state of food waste treatment in the United States and Canada. Waste Management, 2010, 30, 1486-1494.	3.7	157