

Morton A Barlaz

List of Publications by Year in descending order

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172
papers

16,690
citations

31976

53
h-index

15266

126
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176
all docs

176
docs citations

176
times ranked

13920
citing authors

#	ARTICLE	IF	CITATIONS
1	Accumulation and fragmentation of plastic debris in global environments. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2009, 364, 1985-1998.	4.0	4,134
2	Transport and release of chemicals from plastics to the environment and to wildlife. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2009, 364, 2027-2045.	4.0	2,043
3	Present and Long-Term Composition of MSW Landfill Leachate: A Review. <i>Critical Reviews in Environmental Science and Technology</i> , 2002, 32, 297-336.	12.8	1,807
4	Bacterial Population Development and Chemical Characteristics of Refuse Decomposition in a Simulated Sanitary Landfill. <i>Applied and Environmental Microbiology</i> , 1989, 55, 55-65.	3.1	297
5	Methane production from municipal refuse: A review of enhancement techniques and microbial dynamics. <i>Critical Reviews in Environmental Control</i> , 1990, 19, 557-584.	0.7	249
6	Biodegradability of Municipal Solid Waste Components in Laboratory-Scale Landfills. <i>Environmental Science & Technology</i> , 1997, 31, 911-917.	10.0	236
7	National Estimate of Per- and Polyfluoroalkyl Substance (PFAS) Release to U.S. Municipal Landfill Leachate. <i>Environmental Science & Technology</i> , 2017, 51, 2197-2205.	10.0	236
8	A Review of Chemical Warfare Agent Simulants for the Study of Environmental Behavior. <i>Critical Reviews in Environmental Science and Technology</i> , 2008, 38, 112-136.	12.8	223
9	Practice review of five bioreactor/recirculation landfills. <i>Waste Management</i> , 2007, 27, 13-29.	7.4	221
10	Occurrence and Treatment of 1,4-Dioxane in Aqueous Environments. <i>Environmental Engineering Science</i> , 2003, 20, 423-432.	1.6	218
11	Models for waste life cycle assessment: Review of technical assumptions. <i>Waste Management</i> , 2010, 30, 2636-2648.	7.4	217
12	A review of approaches for the long-term management of municipal solid waste landfills. <i>Waste Management</i> , 2012, 32, 498-512.	7.4	212
13	Evaluation of a Biologically Active Cover for Mitigation of Landfill Gas Emissions. <i>Environmental Science & Technology</i> , 2004, 38, 4891-4899.	10.0	192
14	Assessment of the state of food waste treatment in the United States and Canada. <i>Waste Management</i> , 2010, 30, 1486-1494.	7.4	157
15	Composition of Municipal Solid Waste in the United States and Implications for Carbon Sequestration and Methane Yield. <i>Journal of Environmental Engineering, ASCE</i> , 2009, 135, 901-909.	1.4	149
16	Mass Balance Analysis of Anaerobically Decomposed Refuse. <i>Journal of Environmental Engineering, ASCE</i> , 1989, 115, 1088-1102.	1.4	148
17	Refuse Decomposition in the Presence and Absence of Leachate Recirculation. <i>Journal of Environmental Engineering, ASCE</i> , 2002, 128, 228-236.	1.4	148
18	Investigating landfill leachate as a source of trace organic pollutants. <i>Chemosphere</i> , 2015, 127, 269-275.	8.2	148

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19	Quantitative determination of fluorochemicals in municipal landfill leachates. <i>Chemosphere</i> , 2011, 82, 1380-1386.	8.2	139
20	Nitrogen management in bioreactor landfills. <i>Waste Management</i> , 2003, 23, 675-688.	7.4	135
21	Forest products decomposition in municipal solid waste landfills. <i>Waste Management</i> , 2006, 26, 321-333.	7.4	130
22	Effect of Spatial Differences in Microbial Activity, pH, and Substrate Levels on Methanogenesis Initiation in Refuse. <i>Applied and Environmental Microbiology</i> , 2011, 77, 2381-2391.	3.1	126
23	What Is the Most Environmentally Beneficial Way to Treat Commercial Food Waste?. <i>Environmental Science & Technology</i> , 2011, 45, 7438-7444.	10.0	120
24	Release of Trace Organic Compounds during the Decomposition of Municipal Solid Waste Components. <i>Environmental Science & Technology</i> , 2006, 40, 5984-5991.	10.0	118
25	Distributed model of solid waste anaerobic digestion: Effects of leachate recirculation and pH adjustment. <i>Biotechnology and Bioengineering</i> , 2003, 81, 66-73.	3.3	115
26	Estimation of Waste Component-Specific Landfill Decay Rates Using Laboratory-Scale Decomposition Data. <i>Environmental Science & Technology</i> , 2010, 44, 4722-4728.	10.0	106
27	Carbon storage during biodegradation of municipal solid waste components in laboratory-scale landfills. <i>Global Biogeochemical Cycles</i> , 1998, 12, 373-380.	4.9	105
28	Methane oxidation and microbial exopolymer production in landfill cover soil. <i>Soil Biology and Biochemistry</i> , 2000, 32, 457-467.	8.8	102
29	Critical Evaluation of Factors Required To Terminate the Postclosure Monitoring Period at Solid Waste Landfills. <i>Environmental Science & Technology</i> , 2002, 36, 3457-3464.	10.0	102
30	Release of Per- and Polyfluoroalkyl Substances (PFASs) from Carpet and Clothing in Model Anaerobic Landfill Reactors. <i>Environmental Science & Technology</i> , 2016, 50, 5024-5032.	10.0	101
31	Analysis of material recovery facilities for use in life-cycle assessment. <i>Waste Management</i> , 2015, 35, 307-317.	7.4	99
32	Anaerobic biodegradability of cellulose and hemicellulose in excavated refuse samples using a biochemical methane potential assay. <i>Journal of Industrial Microbiology</i> , 1994, 13, 147-153.	0.9	94
33	Application of LCA modelling in integrated waste management. <i>Waste Management</i> , 2020, 118, 313-322.	7.4	93
34	Relationship of Compressibility Parameters to Municipal Solid Waste Decomposition. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2003, 129, 1151-1158.	3.0	92
35	Controls on Landfill Gas Collection Efficiency: Instantaneous and Lifetime Performance. <i>Journal of the Air and Waste Management Association</i> , 2009, 59, 1399-1404.	1.9	91
36	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.	10.0	90

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37	Life-Cycle-based Solid Waste Management. I: Model Development. Journal of Environmental Engineering, ASCE, 2002, 128, 981-992.	1.4	88
38	Physical and Biological Release of Poly- and Perfluoroalkyl Substances (PFASs) from Municipal Solid Waste in Anaerobic Model Landfill Reactors. Environmental Science & Technology, 2015, 49, 7648-7656.	10.0	88
39	Landfill Methane Oxidation Response to Vegetation, Fertilization, and Liming. Journal of Environmental Quality, 2000, 29, 324-334.	2.0	78
40	A generalized multistage optimization modeling framework for life cycle assessment-based integrated solid waste management. Environmental Modelling and Software, 2013, 50, 51-65.	4.5	78
41	Orthogonal zirconium diol/C18 liquid chromatography-tandem mass spectrometry analysis of poly and perfluoroalkyl substances in landfill leachate. Journal of Chromatography A, 2014, 1359, 202-211.	3.7	71
42	Heat Generation and Accumulation in Municipal Solid Waste Landfills. Environmental Science & Technology, 2017, 51, 12434-12442.	10.0	70
43	Performance of North American Bioreactor Landfills. II: Chemical and Biological Characteristics. Journal of Environmental Engineering, ASCE, 2010, 136, 839-853.	1.4	66
44	Wood Biodegradation in Laboratory-Scale Landfills. Environmental Science & Technology, 2011, 45, 6864-6871.	10.0	66
45	Observations on the methane oxidation capacity of landfill soils. Waste Management, 2011, 31, 914-925.	7.4	65
46	Deer Track Bioreactor Experiment: Field-Scale Evaluation of Municipal Solid Waste Bioreactor Performance. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2012, 138, 658-670.	3.0	65
47	Life-Cycle-based Solid Waste Management. II: Illustrative Applications. Journal of Environmental Engineering, ASCE, 2002, 128, 993-1005.	1.4	63
48	Influence of protozoan grazing on contaminant biodegradation. FEMS Microbiology Ecology, 1999, 29, 179-189.	2.7	61
49	Factors Controlling Alkylbenzene Sorption to Municipal Solid Waste. Environmental Science & Technology, 2001, 35, 4569-4576.	10.0	61
50	Evaluation of Landfill Gas Decay Constant for Municipal Solid Waste Landfills Operated as Bioreactors. Journal of the Air and Waste Management Association, 2010, 60, 91-97.	1.9	61
51	Performance of North American Bioreactor Landfills. I: Leachate Hydrology and Waste Settlement. Journal of Environmental Engineering, ASCE, 2010, 136, 824-838.	1.4	61
52	Evaluation of life cycle inventory data for recycling systems. Resources, Conservation and Recycling, 2014, 87, 30-45.	10.8	59
53	Systematic Evaluation of Industrial, Commercial, and Institutional Food Waste Management Strategies in the United States. Environmental Science & Technology, 2016, 50, 8444-8452.	10.0	56
54	Anaerobic Biodegradation of Aliphatic Polyesters: Poly(3-hydroxybutyrate-co-3-hydroxyoctanoate) and Poly(ϵ -caprolactone). Biomacromolecules, 2002, 3, 813-822.	5.4	55

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55	Life Cycle Management of Municipal Solid Waste. International Journal of Life Cycle Assessment, 1999, 4, 195-201.	4.7	54
56	LCA comparison of windrow composting of yard wastes with use as alternative daily cover (ADC). Waste Management, 2010, 30, 2649-2656.	7.4	53
57	A performance-based system for the long-term management of municipal waste landfills. Waste Management, 2011, 31, 649-662.	7.4	53
58	Mineralization of 1,4-dioxane in the presence of a structural analog. Biodegradation, 2000, 11, 239-246.	3.0	52
59	A Life-Cycle Inventory Model of Municipal Solid Waste Combustion. Journal of the Air and Waste Management Association, 2000, 50, 993-1003.	1.9	52
60	Evaluation of Externality Costs in Life-Cycle Optimization of Municipal Solid Waste Management Systems. Environmental Science & Technology, 2017, 51, 3119-3127.	10.0	52
61	Development of Quantitative Real-Time PCR Assays for Detection and Quantification of Surrogate Biological Warfare Agents in Building Debris and Leachate. Applied and Environmental Microbiology, 2007, 73, 6557-6565.	3.1	49
62	Municipal solid waste conversion to transportation fuels: a life-cycle estimation of global warming potential and energy consumption. Journal of Cleaner Production, 2014, 70, 145-153.	9.3	49
63	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.	10.0	49
64	Chemical composition and methane potential of commercial food wastes. Waste Management, 2016, 56, 477-490.	7.4	48
65	Decision Support Tool for Life-Cycle-Based Solid Waste Management. Journal of Computing in Civil Engineering, 2001, 15, 44-58.	4.7	47
66	Characterization of municipal solid waste collection operations. Resources, Conservation and Recycling, 2016, 114, 92-102.	10.8	47
67	Fate of Chemical Warfare Agents and Toxic Industrial Chemicals in Landfills. Environmental Science & Technology, 2006, 40, 4219-4225.	10.0	46
68	Exopolysaccharide Control of Methane Oxidation in Landfill Cover Soil. Journal of Environmental Engineering, ASCE, 1999, 125, 1113-1123.	1.4	45
69	Characterization of salt cake from secondary aluminum production. Journal of Hazardous Materials, 2014, 273, 192-199.	12.4	45
70	Anaerobic biodegradation of alkylbenzenes and trichloroethylene in aquifer sediment down gradient of a sanitary landfill. Journal of Contaminant Hydrology, 1996, 23, 263-283.	3.3	44
71	Testing Anaerobic Biodegradability of Polymers in a Laboratory-Scale Simulated Landfill. Environmental Science & Technology, 1998, 32, 821-827.	10.0	44
72	Shear Strength Parameters of Municipal Solid Waste with Leachate Recirculation. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2007, 133, 478-484.	3.0	44

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73	Microbial, Chemical and Methane Production Characteristics of Anaerobically Decomposed Refuse With and Without Leachate Recycling. <i>Waste Management and Research</i> , 1992, 10, 257-267.	3.9	41
74	Use of Life-Cycle Analysis To Support Solid Waste Management Planning for Delaware. <i>Environmental Science & Technology</i> , 2009, 43, 1264-1270.	10.0	40
75	Impact of Plastics on Fate and Transport of Organic Contaminants in Landfills. <i>Environmental Science & Technology</i> , 2010, 44, 6396-6402.	10.0	40
76	Using Observed Data To Improve Estimated Methane Collection from Select U.S. Landfills. <i>Environmental Science & Technology</i> , 2013, 47, 3251-3257.	10.0	40
77	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.	10.0	40
78	Hydrogen Sulfide Production during Decomposition of Landfill Inputs. <i>Journal of Environmental Engineering, ASCE</i> , 1998, 124, 353-361.	1.4	39
79	Per- and Polyfluoroalkyl Substances (PFAS) in Facemasks: Potential Source of Human Exposure to PFAS with Implications for Disposal to Landfills. <i>Environmental Science and Technology Letters</i> , 2022, 9, 320-326.	8.7	36
80	Comparison of Bacteria and Archaea communities in municipal solid waste, individual refuse components, and leachate. <i>FEMS Microbiology Ecology</i> , 2012, 79, 465-473.	2.7	35
81	Measurement of carbon storage in landfills from the biogenic carbon content of excavated waste samples. <i>Waste Management</i> , 2013, 33, 2001-2005.	7.4	34
82	Abiotic and Biotic Compression of Municipal Solid Waste. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2012, 138, 877-888.	3.0	33
83	Decomposition and carbon storage of selected paper products in laboratory-scale landfills. <i>Science of the Total Environment</i> , 2015, 532, 70-79.	8.0	33
84	Biodegradation of 1,4-Dioxane Using Trickling Filter. <i>Journal of Environmental Engineering, ASCE</i> , 2004, 130, 926-931.	1.4	32
85	The decay of wood in landfills in contrasting climates in Australia. <i>Waste Management</i> , 2015, 41, 101-110.	7.4	32
86	Life-Cycle Assessment of a Regulatory Compliant U.S. Municipal Solid Waste Landfill. <i>Environmental Science & Technology</i> , 2021, 55, 13583-13592.	10.0	32
87	Effect of Lime-Stabilized Sludge as Landfill Cover on Refuse Decomposition. <i>Journal of Environmental Engineering, ASCE</i> , 1995, 121, 499-506.	1.4	31
88	Performance evaluation of an anaerobic/aerobic landfill-based digester using yard waste for energy and compost production. <i>Waste Management</i> , 2012, 32, 912-919.	7.4	28
89	Decomposition of forest products buried in landfills. <i>Waste Management</i> , 2013, 33, 2267-2276.	7.4	28
90	The Outer Loop bioreactor: A case study of settlement monitoring and solids decomposition. <i>Waste Management</i> , 2013, 33, 2035-2047.	7.4	28

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91	Evaluation of optimal model parameters for prediction of methane generation from selected U.S. landfills. <i>Waste Management</i> , 2019, 91, 120-127.	7.4	28
92	Chemical Changes during Anaerobic Decomposition of Hardwood, Softwood, and Old Newsprint under Mesophilic and Thermophilic Conditions. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 6362-6374.	5.2	27
93	The fate of toluene, acetone and 1,2-dichloroethane in a laboratory-scale simulated landfill. <i>Water Research</i> , 2000, 34, 3063-3074.	11.3	26
94	The decay of engineered wood products and paper excavated from landfills in Australia. <i>Waste Management</i> , 2018, 74, 312-322.	7.4	26
95	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.	10.0	26
96	Potential To Use Waste Tires as Supplemental Fuel in Pulp and Paper Mill Boilers, Cement Kilns and in Road Pavement. <i>Waste Management and Research</i> , 1993, 11, 463-480.	3.9	25
97	Effect of Cellulose/Hemicellulose and Lignin on the Bioavailability of Toluene Sorbed to Waste Paper. <i>Environmental Science & Technology</i> , 2004, 38, 3731-3736.	10.0	24
98	Toward Identifying the Next Generation of Superfund and Hazardous Waste Site Contaminants. <i>Environmental Health Perspectives</i> , 2011, 119, 6-10.	6.0	24
99	Microbial ecological succession during municipal solid waste decomposition. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 5731-5740.	3.6	23
100	Modeling Cometabolism of Cyclic Ethers. <i>Environmental Engineering Science</i> , 2002, 19, 215-228.	1.6	22
101	Policies for Strengthening Markets for Recyclables: A Worldwide Perspective. <i>Critical Reviews in Environmental Science and Technology</i> , 2006, 36, 287-326.	12.8	22
102	Decomposition and carbon storage of hardwood and softwood branches in laboratory-scale landfills. <i>Science of the Total Environment</i> , 2016, 557-558, 355-362.	8.0	22
103	An Assessment of the Dynamic Global Warming Impact Associated with Long-Term Emissions from Landfills. <i>Environmental Science & Technology</i> , 2020, 54, 1304-1313.	10.0	22
104	Anaerobic Biodegradation of Alkylbenzenes in Laboratory Microcosms Representing Ambient Conditions. <i>Bioremediation Journal</i> , 1997, 1, 53-64.	2.0	21
105	A Procedure for Life-Cycle-Based Solid Waste Management with Consideration of Uncertainty. <i>Journal of Industrial Ecology</i> , 2004, 8, 155-172.	5.5	21
106	Characterization of Uncertainty in Estimation of Methane Collection from Select U.S. Landfills. <i>Environmental Science & Technology</i> , 2015, 49, 1545-1551.	10.0	21
107	Comparison of Field Measurements to Methane Emissions Models at a New Landfill. <i>Environmental Science & Technology</i> , 2016, 50, 9432-9441.	10.0	21
108	Measurement of chemical leaching potential of sulfate from landfill disposed sulfate containing wastes. <i>Waste Management</i> , 2015, 36, 191-196.	7.4	20

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109	Lifecycle Process Model for Municipal Solid Waste Collection. Journal of Environmental Engineering, ASCE, 2016, 142, .	1.4	20
110	Application of a Life Cycle Model for European Union Policy-Driven Waste Management Decision Making in Emerging Economies. Journal of Industrial Ecology, 2018, 22, 341-355.	5.5	20
111	Critical evaluation of solid waste sample processing for DNA-based microbial community analysis. Biodegradation, 2011, 22, 189-204.	3.0	19
112	Evaluation of the Temperature Range for Biological Activity in Landfills Experiencing Elevated Temperatures. ACS ES&T Engineering, 2021, 1, 216-227.	7.6	19
113	Framework for Assessment of Recycle Potential Applied to Plastics. Journal of Environmental Engineering, ASCE, 1993, 119, 798-810.	1.4	18
114	Anaerobic biodegradability of alkylbenzenes and phenol by landfill derived microorganisms. FEMS Microbiology Ecology, 1998, 25, 405-418.	2.7	18
115	Bioreactor landfills: progress continues. Waste Management, 2004, 24, 859-860.	7.4	18
116	Methods of Responsibly Managing End-of-Life Foams and Plastics Containing Flame Retardants: Part I. Environmental Engineering Science, 2018, 35, 573-587.	1.6	18
117	Microbial, chemical and methane production characteristics of anaerobically decomposed refuse with and without leachate recycling. Waste Management and Research, 1992, 10, 257-267.	3.9	17
118	Uncertainties Associated with the Use of Optical Remote Sensing Technique to Estimate Surface Emissions in Landfill Applications. Journal of the Air and Waste Management Association, 2010, 60, 460-470.	1.9	16
119	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.	12.8	16
120	Leachate and gas generation. , 1993, , 113-136.		16
121	Production of non-methane organic compounds during refuse decomposition in a laboratory-scale landfill. Waste Management and Research, 1999, 17, 205-211.	3.9	15
122	Development of a Coupled Reactor Model for Prediction of Organic Contaminant Fate in Landfills. Environmental Science & Technology, 2008, 42, 7444-7451.	10.0	15
123	Quantifying the Greenhouse Gas Emission Reductions Associated with Recycling Hot Mix Asphalt. Road Materials and Pavement Design, 2011, 12, 57-77.	4.0	14
124	Finite-Element Modeling of Landfills to Estimate Heat Generation, Transport, and Accumulation. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2020, 146, .	3.0	14
125	The impact of pressure, moisture and temperature on pyrolysis of municipal solid waste under simulated landfill conditions and relevance to the field data from elevated temperature landfill. Science of the Total Environment, 2020, 723, 138031.	8.0	14
126	Evidence of thermophilic waste decomposition at a landfill exhibiting elevated temperature regions. Waste Management, 2021, 124, 26-35.	7.4	14

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127	METHANE POTENTIAL OF FOOD WASTE AND ANAEROBIC TOXICITY OF LEACHATE PRODUCED DURING FOOD WASTE DECOMPOSITION. <i>Waste Management and Research</i> , 1997, 15, 149-167.	3.9	13
128	Liquid balance monitoring inside conventional, Retrofit, and bio-reactor landfill cells. <i>Waste Management</i> , 2013, 33, 2006-2014.	7.4	12
129	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.	4.7	12
130	Development of Streamlined Life-Cycle Assessment for the Solid Waste Management System. <i>Environmental Science & Technology</i> , 2021, 55, 5475-5484.	10.0	12
131	Fate and transport of phenol in a packed bed reactor containing simulated solid waste. <i>Waste Management</i> , 2012, 32, 327-334.	7.4	11
132	Characterizing the biotransformation of sulfur-containing wastes in simulated landfill reactors. <i>Waste Management</i> , 2016, 53, 82-91.	7.4	11
133	Integrated Solid Waste Management in the United States. <i>Journal of Environmental Engineering, ASCE</i> , 2003, 129, 583-584.	1.4	10
134	Improved methodology to assess modification and completion of landfill gas management in the aftercare period. <i>Waste Management</i> , 2012, 32, 2364-2373.	7.4	10
135	Assessing methods to estimate emissions of non-methane organic compounds from landfills. <i>Waste Management</i> , 2014, 34, 2260-2270.	7.4	10
136	LCA in Waste Management: Introduction to Principle and Method. , 0, , 111-136.		9
137	A batch assay to measure microbial hydrogen sulfide production from sulfur-containing solid wastes. <i>Science of the Total Environment</i> , 2016, 551-552, 23-31.	8.0	9
138	Spatial Heterogeneity of Microbial and Geochemical Parameters in Gasoline Contaminated Aquifers. <i>Practice Periodical of Hazardous, Toxic and Radioactive Waste Management</i> , 2004, 8, 105-118.	0.4	8
139	Case study comparison of functional vs. organic stability approaches for assessing threat potential at closed landfills in the USA. <i>Waste Management</i> , 2018, 75, 415-426.	7.4	8
140	Measurement of heat release during hydration and carbonation of ash disposed in landfills using an isothermal calorimeter. <i>Waste Management</i> , 2021, 124, 348-355.	7.4	8
141	Retrospective Analysis of Wisconsin's Landfill Organic Stability Rule. <i>Journal of Environmental Engineering, ASCE</i> , 2017, 143, .	1.4	7
142	Improving understanding of carbon storage in wood in landfills: Evidence from reactor studies. <i>Waste Management</i> , 2019, 85, 341-350.	7.4	7
143	Determining Anaerobic BTEX Decay Rates in a Contaminated Aquifer. <i>Journal of Hydrologic Engineering - ASCE</i> , 1998, 3, 285-293.	1.9	6
144	Evaluation of Copper Oxide Oxidation for Quantification of Lignin in Municipal Solid Waste. <i>Environmental Engineering Science</i> , 2015, 32, 486-496.	1.6	6

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145	Enumeration of Anaerobic Refuse-Decomposing Micro-Organisms On Refuse Constituents. Waste Management and Research, 1996, 14, 151-161.	3.9	5
146	Determination of Sources of Organic Matter in Solid Waste by Analysis of Phenolic Copper Oxide Oxidation Products of Lignin. Journal of Environmental Engineering, ASCE, 2016, 142, .	1.4	5
147	Systems and Methods for Studying Microbial Processes and Communities in Landfills. Advances in Environmental Microbiology, 2019, , 129-150.	0.3	5
148	The Second Intercontinental Landfill Research Symposium. Waste Management, 2003, 23, 557-559.	7.4	4
149	Factors Controlling Alkylbenzene and Tetrachloroethene Desorption from Municipal Solid Waste Components. Environmental Science & Technology, 2010, 44, 1123-1129.	10.0	4
150	Transport Behavior of Surrogate Biological Warfare Agents in a Simulated Landfill: Effect of Leachate Recirculation and Water Infiltration. Environmental Science & Technology, 2010, 44, 8622-8628.	10.0	4
151	A new approach to characterize emission contributions from area sources during optical remote sensing technique testing. Journal of the Air and Waste Management Association, 2012, 62, 1403-1410.	1.9	4
152	The effect of aging on the bioavailability of toluene sorbed to municipal solid waste components. Chemosphere, 2013, 90, 251-259.	8.2	4
153	Abrasion Resistance of Concrete Exposed to Organic Acids. Journal of Materials in Civil Engineering, 2020, 32, .	2.9	4
154	Critical review on PFOA, kidney cancer, and testicular cancer. Journal of the Air and Waste Management Association, 2021, 71, 1265-1276.	1.9	4
155	Production of non-methane organic compounds during refuse decomposition in a laboratory-scale landfill. Waste Management and Research, 1999, 17, 205-211.	3.9	3
156	Carbon dynamics of paper, engineered wood products and bamboo in landfills: evidence from reactor studies. Carbon Balance and Management, 2018, 13, 27.	3.2	3
157	Exploring alternative solid waste management strategies for achieving policy goals. Engineering Optimization, 2021, 53, 905-918.	2.6	3
158	Life-cycle inventory of a modern municipal solid waste landfill. Waste Management and Research, 1999, 17, 394-408.	3.9	2
159	Effect of an acidic and readily-biodegradable non-hazardous industrial process waste on refuse decomposition. Waste Management, 2010, 30, 389-395.	7.4	2
160	Introducing the new Editors-in-Chief and our vision for the journal. Waste Management, 2018, 72, 1-2.	7.4	2
161	Spatial and temporal characteristics of elevated temperatures in municipal solid waste landfills, Navid H. Jafari, Timothy D. Stark, and Todd Thalhamer, Waste Management, 2017, Vol. 59, p. 286-301. Waste Management, 2018, 71, 244-245.	7.4	2
162	Landfilling: Gas Production, Extraction and Utilization. , 0, , 841-857.		1

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163	Effect of biosolids on refuse decomposition and phosphorus cycling. Waste Management and Research, 2010, 28, 888-900.	3.9	1
164	Leachate Quality Monitoring from Conventional, Retrofit, and Bio-Reactor Landfill Cells. Journal of Hazardous, Toxic, and Radioactive Waste, 2015, 19, 04015009.	2.0	1
165	A Model to Describe Heat Generation and Accumulation at Municipal Solid Waste Landfills. , 2017, , .		1
166	Life-Cycle Modeling of Municipal Solid Waste Landfills. , 2017, , .		1
167	Life Cycle Comparison of Waste-to-Energy to Sanitary Landfill. , 2012, , 5909-5934.		1
168	WTE, Life Cycle Assessment Comparison to Landfilling. , 2017, , 1-23.		1
169	Potential toxicity and aerobic biodegradability of sodium silicate chemical grout leachate. Environmental Toxicology and Chemistry, 1997, 16, 442-446.	4.3	0
170	Landfill gas recovery. Environmental Science & Technology, 2009, 43, 2995-2995.	10.0	0
171	Special Issue on Innovations in Solid Waste Engineering and Management: The 2008 Global Waste Management Symposium. Journal of Environmental Engineering, ASCE, 2010, 136, 743-743.	1.4	0
172	WTE: Life Cycle Assessment Comparison to Landfilling. , 2019, , 499-521.		0