

Amy E Landis

List of Publications by Year in descending order

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58
papers

3,395
citations

159585

30
h-index

182427

51
g-index

62
all docs

62
docs citations

62
times ranked

4067
citing authors

#	ARTICLE	IF	CITATIONS
1	Life Cycle Assessment of Bioplastics and Food Waste Disposal Methods. Sustainability, 2021, 13, 6894.	3.2	13
2	Estimating Virtual Nitrogen Inputs to Integrated U.S. Corn Ethanol and Animal Food Systems. Environmental Science & Technology, 2021, 55, 8393-8400.	10.0	4
3	Anaerobic Codigestion of Food Waste and Polylactic Acid: Effect of Pretreatment on Methane Yield and Solid Reduction. Advances in Materials Science and Engineering, 2019, 2019, 1-6.	1.8	35
4	ENERGY ANALYSIS OF THE USE PHASE OF CONVENTIONAL TIRES COMPARED TO GUAYULE NR TIRES. Rubber Chemistry and Technology, 2019, 92, 578-588.	1.2	0
5	Enhancing anaerobic digestion of food waste through biochemical methane potential assays at different substrate: inoculum ratios. Waste Management, 2018, 71, 612-617.	7.4	105
6	Dynamic Life Cycle Assessments of a Conventional Green Building and a Net Zero Energy Building: Exploration of Static, Dynamic, Attributional, and Consequential Electricity Grid Models. Environmental Science & Technology, 2018, 52, 11429-11438.	10.0	39
7	Sustainable Engineering Cognitive Outcomes: Examining Different Approaches for Curriculum Integration. Journal of Professional Issues in Engineering Education and Practice, 2017, 143, 04017002.	0.9	9
8	Biopolymer production and end of life comparisons using life cycle assessment. Resources, Conservation and Recycling, 2017, 122, 295-306.	10.8	158
9	Evaluating the Life Cycle Environmental Benefits and Trade-Offs of Water Reuse Systems for Net-Zero Buildings. Environmental Science & Technology, 2017, 51, 1110-1119.	10.0	38
10	Greenhouse gas mitigation for U.S. plastics production: energy first, feedstocks later. Environmental Research Letters, 2017, 12, 034024.	5.2	92
11	Assessment of Students'™ Mastery of Construction Management and Engineering Concepts through Board Game Design. Journal of Professional Issues in Engineering Education and Practice, 2017, 143, .	0.9	8
12	Do single-use medical devices containing biopolymers reduce the environmental impacts of surgical procedures compared with their plastic equivalents?. Journal of Health Services Research and Policy, 2017, 22, 218-225.	1.7	29
13	Hybrid Dynamic-Empirical Building Energy Modeling Approach for an Existing Campus Building. Journal of Architectural Engineering, 2016, 22, .	1.6	7
14	Alkaline Amendment for the Enhancement of Compost Degradation for Polylactic Acid Biopolymer Products. Compost Science and Utilization, 2016, 24, 159-173.	1.2	18
15	Evaluating quantifiable metrics for hospital green checklists. Journal of Cleaner Production, 2016, 127, 134-142.	9.3	24
16	Life cycle assessment of sunflower cultivation on abandoned mine land for biodiesel production. Journal of Cleaner Production, 2016, 112, 182-195.	9.3	36
17	The State of Water/Wastewater Utility Sustainability: A North American Survey. Journal - American Water Works Association, 2015, 107, E464.	0.3	7
18	Life cycle impact analysis of tertiary treatment alternatives to treat secondary municipal wastewater for reuse in cooling systems. Environmental Progress and Sustainable Energy, 2015, 34, 178-187.	2.3	12

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19	Design of Sustainable Biofuel Processes and Supply Chains: Challenges and Opportunities. <i>Processes</i> , 2015, 3, 634-663.	2.8	36
20	Toward zero waste: Composting and recycling for sustainable venue based events. <i>Waste Management</i> , 2015, 38, 86-94.	7.4	61
21	A case for systemic environmental analysis of cultured meat. <i>Journal of Integrative Agriculture</i> , 2015, 14, 249-254.	3.5	68
22	Environmental Impacts of Surgical Procedures: Life Cycle Assessment of Hysterectomy in the United States. <i>Environmental Science & Technology</i> , 2015, 49, 1779-1786.	10.0	223
23	Biofuels via Fast Pyrolysis of Perennial Grasses: A Life Cycle Evaluation of Energy Consumption and Greenhouse Gas Emissions. <i>Environmental Science & Technology</i> , 2015, 49, 10007-10018.	10.0	37
24	Life cycle assessment use in the North American building community: summary of findings from a 2011/2012 survey. <i>International Journal of Life Cycle Assessment</i> , 2015, 20, 318-331.	4.7	32
25	Sustainable healthcare and environmental life-cycle impacts of disposable supplies: a focus on disposable custom packs. <i>Journal of Cleaner Production</i> , 2015, 94, 46-55.	9.3	123
26	Anticipatory Life Cycle Analysis of In Vitro Biomass Cultivation for Cultured Meat Production in the United States. <i>Environmental Science & Technology</i> , 2015, 49, 11941-11949.	10.0	236
27	The role of sustainability and life cycle thinking in U.S. biofuels policies. <i>Energy Policy</i> , 2014, 75, 316-326.	8.8	14
28	Effects of co-products on the life-cycle impacts of microalgal biodiesel. <i>Bioresource Technology</i> , 2014, 159, 157-166.	9.6	39
29	Process energy comparison for the production and harvesting of algal biomass as a biofuel feedstock. <i>Bioresource Technology</i> , 2014, 153, 108-115.	9.6	77
30	Comparative life cycle assessment of reused versus disposable dental burs. <i>International Journal of Life Cycle Assessment</i> , 2014, 19, 1623-1631.	4.7	33
31	The viability of biofuel production on urban marginal land: An analysis of metal contaminants and energy balance for Pittsburgh's Sunflower Gardens. <i>Landscape and Urban Planning</i> , 2014, 124, 22-33.	7.5	22
32	Evaluating agricultural management practices to improve the environmental footprint of corn-derived ethanol. <i>Renewable Energy</i> , 2014, 66, 454-460.	8.9	28
33	Re-envisioning the renewable fuel standard to minimize unintended consequences: A comparison of microalgal diesel with other biodiesels. <i>Applied Energy</i> , 2013, 112, 194-204.	10.1	30
34	Dynamic life cycle assessment: framework and application to an institutional building. <i>International Journal of Life Cycle Assessment</i> , 2013, 18, 538-552.	4.7	176
35	Ocelot: A wireless sensor network and computing engine with commodity palmtop computers. , 2013, , .		3
36	Considering fabrication in sustainable computing. , 2013, , .		11

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37	Green computing: A life cycle perspective. , 2013, , .		6
38	Declaration of concernâ€”an unambiguous rebuttal of the LEO-SCS-002 draft standard. International Journal of Life Cycle Assessment, 2013, 18, 302-305.	4.7	0
39	Sustainability assessments of bio-based polymers. Polymer Degradation and Stability, 2013, 98, 1898-1907.	5.8	376
40	A Materials Life Cycle Assessment of a Net-Zero Energy Building. Energies, 2013, 6, 1125-1141.	3.1	83
41	Life Cycle Assessment as a tool for Improving Service Industry Sustainability. IEEE Potentials, 2012, 31, 10-15.	0.3	6
42	Regional life cycle assessment of soybean derived biodiesel for transportation fleets. Energy Policy, 2012, 48, 295-303.	8.8	25
43	Life cycle assessment evaluation of green product labeling systems for residential construction. International Journal of Life Cycle Assessment, 2012, 17, 753-763.	4.7	36
44	Microalgal biodiesel and the Renewable Fuel Standard's greenhouse gas requirement. Energy Policy, 2012, 46, 498-510.	8.8	28
45	Life cycle assessment perspectives on delivering an infant in the US. Science of the Total Environment, 2012, 425, 191-198.	8.0	93
46	Response to Comments on â€œSustainability Metrics: Life Cycle Assessment and Green Design in Polymersâ€• Environmental Science & Technology, 2011, 45, 5058-5059.	10.0	2
47	Greening the service industries: A case study of a United States engineering consulting firm. , 2011, , .		6
48	Eutrophication Potential of Food Consumption Patterns. Environmental Science & Technology, 2010, 44, 6450-6456.	10.0	114
49	Sustainability Metrics: Life Cycle Assessment and Green Design in Polymers. Environmental Science & Technology, 2010, 44, 8264-8269.	10.0	310
50	Comparative life cycle assessment of insulating concrete forms with traditional residential wall sections. , 2009, , .		1
51	Impact of Biofuel Crop Production on the Formation of Hypoxia in the Gulf of Mexico. Environmental Science & Technology, 2009, 43, 7985-7991.	10.0	90
52	Effect of agricultural practices on biofuels' environmental footprints. , 2009, , .		5
53	Comparison of life cycle impact assessment tools in the case of biofuels. , 2008, , .		8
54	Feature: Environmental Trade-offs of Biobased Production. Environmental Science & Technology, 2007, 41, 5176-5182.	10.0	89

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55	Life Cycle of the Corn-Soybean Agroecosystem for Biobased Production. Environmental Science & Technology, 2007, 41, 1457-1464.	10.0	85
56	A Comparative Life Cycle Assessment of Petroleum and Soybean-Based Lubricants. Environmental Science & Technology, 2007, 41, 4143-4149.	10.0	45
57	Use of Monte Carlo Analysis to Characterize Nitrogen Fluxes in Agroecosystems. Environmental Science & Technology, 2006, 40, 2324-2332.	10.0	73
58	Response to 'Comments on Workshop Report on the Economic and Environmental Impacts of Biobased Production' [Int J LCA 10 (3) 226-227 (2005)]. Int J LCA 10 (4) 233-234. International Journal of Life Cycle Assessment, 2006, 11, 213-214.	4.7	7