Amy E Landis

List of Publications by Year
in descending order

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	Sustainability assessments of bio-based polymers. Polymer Degradation and Stability, 2013, 98, 1898-1907.	5.8	376
2	Sustainability Metrics: Life Cycle Assessment and Green Design in Polymers. Environmental Science & Technology, 2010, 44, 8264-8269.	10.0	310
3	Anticipatory Life Cycle Analysis of In Vitro Biomass Cultivation for Cultured Meat Production in the United States. Environmental Science & Technology, 2015, 49, 11941-11949.	10.0	236
4	Environmental Impacts of Surgical Procedures: Life Cycle Assessment of Hysterectomy in the United States. Environmental Science & Technology, 2015, 49, 1779-1786.	10.0	223
5	Dynamic life cycle assessment: framework and application to an institutional building. International Journal of Life Cycle Assessment, 2013, 18, 538-552.	4.7	176
6	Biopolymer production and end of life comparisons using life cycle assessment. Resources, Conservation and Recycling, 2017, 122, 295-306.	10.8	158
7	Sustainable healthcare and environmental life-cycle impacts of disposable supplies: a focus on disposable custom packs. Journal of Cleaner Production, 2015, 94, 46-55.	9.3	123
8	Eutrophication Potential of Food Consumption Patterns. Environmental Science & Technology, 2010, 44, 6450-6456.	10.0	114
9	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
10	Life cycle assessment perspectives on delivering an infant in the US. Science of the Total Environment, 2012, 425, 191-198.	8.0	93
11	Greenhouse gas mitigation for U.S. plastics production: energy first, feedstocks later. Environmental Research Letters, 2017, 12, 034024.	5.2	92
12	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
13	Feature: Environmental Trade-offs of Biobased Production. Environmental Science & Technology, 2007, 41, 5176-5182.	10.0	89
14	Life Cycle of the Cornâ"Soybean Agroecosystem for Biobased Production. Environmental Science & Technology, 2007, 41, 1457-1464.	10.0	85
15	A Materials Life Cycle Assessment of a Net-Zero Energy Building. Energies, 2013, 6, 1125-1141.	3.1	83
16	Process energy comparison for the production and harvesting of algal biomass as a biofuel feedstock. Bioresource Technology, 2014, 153, 108-115.	9.6	77
17	Use of Monte Carlo Analysis to Characterize Nitrogen Fluxes in Agroecosystems. Environmental Science & Technology, 2006, 40, 2324-2332.	10.0	73
18	A case for systemic environmental analysis of cultured meat. Journal of Integrative Agriculture, 2015, 14, 249-254.	3.5	68

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19	Toward zero waste: Composting and recycling for sustainable venue based events. Waste Management, 2015, 38, 86-94.	7.4	61
20	A Comparative Life Cycle Assessment of Petroleum and Soybean-Based Lubricants. Environmental Science & Technology, 2007, 41, 4143-4149.	10.0	45
21	Effects of co-products on the life-cycle impacts of microalgal biodiesel. Bioresource Technology, 2014, 159, 157-166.	9.6	39
22	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
23	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
24	Biofuels via Fast Pyrolysis of Perennial Grasses: A Life Cycle Evaluation of Energy Consumption and Greenhouse Gas Emissions. Environmental Science & Technology, 2015, 49, 10007-10018.	10.0	37
25	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
26	Design of Sustainable Biofuel Processes and Supply Chains: Challenges and Opportunities. Processes, 2015, 3, 634-663.	2.8	36
27	Life cycle assessment of sunflower cultivation on abandoned mine land for biodiesel production. Journal of Cleaner Production, 2016, 112, 182-195.	9.3	36
28	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
29	Comparative life cycle assessment of reused versus disposable dental burs. International Journal of Life Cycle Assessment, 2014, 19, 1623-1631.	4.7	33
30	Life cycle assessment use in the North American building community: summary of findings from a 2011/2012 survey. International Journal of Life Cycle Assessment, 2015, 20, 318-331.	4.7	32
31	Re-envisioning the renewable fuel standard to minimize unintended consequences: A comparison of microalgal diesel with other biodiesels. Applied Energy, 2013, 112, 194-204.	10.1	30
32	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
33	Microalgal biodiesel and the Renewable Fuel Standard's greenhouse gas requirement. Energy Policy, 2012, 46, 498-510.	8.8	28
34	Evaluating agricultural management practices to improve the environmental footprint of corn-derived ethanol. Renewable Energy, 2014, 66, 454-460.	8.9	28
35	Regional life cycle assessment of soybean derived biodiesel for transportation fleets. Energy Policy, 2012, 48, 295-303.	8.8	25
36	Evaluating quantifiable metrics for hospital green checklists. Journal of Cleaner Production, 2016, 127, 134-142.	9.3	24

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37	The viability of biofuel production on urban marginal land: An analysis of metal contaminants and energy balance for Pittsburgh's Sunflower Gardens. Landscape and Urban Planning, 2014, 124, 22-33.	7.5	22
38	Alkaline Amendment for the Enhancement of Compost Degradation for Polylactic Acid Biopolymer Products. Compost Science and Utilization, 2016, 24, 159-173.	1.2	18
39	The role of sustainability and life cycle thinking in U.S. biofuels policies. Energy Policy, 2014, 75, 316-326.	8.8	14
40	Life Cycle Assessment of Bioplastics and Food Waste Disposal Methods. Sustainability, 2021, 13, 6894.	3.2	13
41	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
42	Considering fabrication in sustainable computing. , 2013, , .		11
43	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
44	Comparison of life cycle impact assessment tools in the case of biofuels. , 2008, , .		8
45	Assessment of Studentsâ€™ 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
46	Response to Â´Comments on Workshop Report on the Economic and Environmental Impacts of Biobased ProductionÂ´ [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
47	The State of Water/Wastewater Utility Sustainability: A North American Survey. Journal - American Water Works Association, 2015, 107, E464.	0.3	7
48	Hybrid Dynamic-Empirical Building Energy Modeling Approach for an Existing Campus Building. Journal of Architectural Engineering, 2016, 22, .	1.6	7
49	Greening the service industries: A case study of a United States engineering consulting firm. , 2011, , .		6
50	Life Cycle Assessment as a tool for Improving Service Industry Sustainability. IEEE Potentials, 2012, 31, 10-15.	0.3	6
51	Green computing: A life cycle perspective. , 2013, , .		6
52	Effect of agricultural practices on biofuels' environmental footprints. , 2009, , .		5
53	Estimating Virtual Nitrogen Inputs to Integrated U.S. Corn Ethanol and Animal Food Systems. Environmental Science & Technology, 2021, 55, 8393-8400.	10.0	4
54	Ocelot: A wireless sensor network and computing engine with commodity palmtop computers. , 2013, , .		3

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55	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
56	Comparative life cycle assessment of insulating concrete forms with traditional residential wall sections. , 2009, , .		1
57	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
58	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