

# Jenna R Jambeck

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

42  
papers

11,693  
citations

25  
h-index

44  
g-index

44  
ext. papers

16,106  
ext. citations

9.5  
avg. IF

7.15  
L-index

#	Paper	IF	Citations
42	Marine pollution. Plastic waste inputs from land into the ocean. <i>Science</i> , <b>2015</b> , 347, 768-71	33.3	4850
41	Production, use, and fate of all plastics ever made. <i>Science Advances</i> , <b>2017</b> , 3, e1700782	14.3	4481
40	Predicted growth in plastic waste exceeds efforts to mitigate plastic pollution. <i>Science</i> , <b>2020</b> , 369, 1515-1518	35.1	428
39	The Chinese import ban and its impact on global plastic waste trade. <i>Science Advances</i> , <b>2018</b> , 4, eaat0131	14.3	344
38	Plastic as a Persistent Marine Pollutant. <i>Annual Review of Environment and Resources</i> , <b>2017</b> , 42, 1-26	17.2	316
37	Challenges and emerging solutions to the land-based plastic waste issue in Africa. <i>Marine Policy</i> , <b>2018</b> , 96, 256-263	3.5	114
36	The United States' contribution of plastic waste to land and ocean. <i>Science Advances</i> , <b>2020</b> , 6,	14.3	104
35	Spatial and temporal patterns of stranded intertidal marine debris: is there a picture of global change?. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 7082-94	10.3	101
34	An emerging source of plastic pollution: Environmental presence of plastic personal protective equipment (PPE) debris related to COVID-19 in a metropolitan city. <i>Environmental Pollution</i> , <b>2021</b> , 269, 116160	9.3	90
33	Release of arsenic to the environment from CCA-treated wood. 2. Leaching and speciation during disposal. <i>Environmental Science &amp; Technology</i> , <b>2006</b> , 40, 994-9	10.3	71
32	Evaluation of XRF and LIBS technologies for on-line sorting of CCA-treated wood waste. <i>Waste Management</i> , <b>2004</b> , 24, 413-24	8.6	66
31	Application of the US decision support tool for materials and waste management. <i>Waste Management</i> , <b>2007</b> , 27, 1006-20	8.6	65
30	Treatment of landfill leachate using microbial fuel cells: alternative anodes and semi-continuous operation. <i>Bioresource Technology</i> , <b>2013</b> , 139, 383-7	11	64
29	Are sustainable cities happy cities? Associations between sustainable development and human well-being in urban areas of the United States. <i>Environment, Development and Sustainability</i> , <b>2014</b> , 16, 633-647	4.5	59
28	Heavy metals in recovered fines from construction and demolition debris recycling facilities in Florida. <i>Science of the Total Environment</i> , <b>2004</b> , 332, 1-11	10.2	57
27	Municipal solid waste landfill leachate treatment and electricity production using microbial fuel cells. <i>Applied Biochemistry and Biotechnology</i> , <b>2014</b> , 173, 472-85	3.2	55
26	CCA-treated wood disposed in landfills and life-cycle trade-offs with waste-to-energy and MSW landfill disposal. <i>Waste Management</i> , <b>2007</b> , 27, S21-8	8.6	47

25	Biodegradation of Poly(3-hydroxybutyrate- co-3-hydroxyhexanoate) Plastic under Anaerobic Sludge and Aerobic Seawater Conditions: Gas Evolution and Microbial Diversity. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 5700-5709	10.3	45
24	A Review of Construction and Demolition Debris Regulations in the United States. <i>Critical Reviews in Environmental Science and Technology</i> , <b>2006</b> , 36, 141-186	11.1	44
23	Leaching of chromated copper arsenate (CCA)-treated wood in a simulated monofill and its potential impacts to landfill leachate. <i>Journal of Hazardous Materials</i> , <b>2006</b> , 135, 21-31	12.8	44
22	The Sustainable Neighborhoods for Happiness Index (SNHI): A metric for assessing a community's sustainability and potential influence on happiness. <i>Ecological Indicators</i> , <b>2014</b> , 40, 147-152	5.8	41
21	. <i>Computing in Science and Engineering</i> , <b>2015</b> , 17, 20-26	1.5	37
20	Life Cycle Assessment of End-of-Life Management Options for Construction and Demolition Debris. <i>Journal of Industrial Ecology</i> , <b>2013</b> , 17, 396-406	7.2	31
19	Landfill disposal of CCA-treated wood with construction and demolition (C&D) debris: arsenic, chromium, and copper concentrations in leachate. <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 5740-5	10.3	31
18	Comparative life cycle assessment (LCA) of construction and demolition (C&D) derived biomass and U.S. northeast forest residuals gasification for electricity production. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 3463-71	10.3	25
17	The fundamental links between climate change and marine plastic pollution. <i>Science of the Total Environment</i> , <b>2022</b> , 806, 150392	10.2	20
16	The important role of marine debris networks to prevent and reduce ocean plastic pollution. <i>Marine Pollution Bulletin</i> , <b>2019</b> , 141, 657-662	6.7	19
15	Message in a bottle: Open source technology to track the movement of plastic pollution. <i>PLoS ONE</i> , <b>2020</b> , 15, e0242459	3.7	12
14	Will they recycle? Design and implementation of eco-feedback technology to promote on-the-go recycling in a university environment. <i>Resources, Conservation and Recycling</i> , <b>2016</b> , 114, 72-79	11.9	9
13	Application of the Sustainable Neighborhoods for Happiness Index (SNHI) to coastal cities in the United States. <i>Ocean and Coastal Management</i> , <b>2014</b> , 96, 203-209	3.9	5
12	Comparing quantity of marine debris to loggerhead sea turtle ( <i>Caretta caretta</i> ) nesting and non-nesting emergence activity on Jekyll Island, Georgia, USA. <i>Marine Pollution Bulletin</i> , <b>2019</b> , 139, 1-5	6.7	5
11	Comment on "Evaluating landfill disposal of chromated copper arsenate (CCA) treated wood and potential effects on groundwater: Evidence from Florida" by Jennifer K. Saxe, Eric J. Wannamaker, Scott W. Conklin, Todd F. Shupe and Barbara D. Beck [ <i>Chemosphere</i> 66 (3) (2007) 496-504]. <i>Chemosphere</i> , <b>2008</b> , 70, 1930-1; author reply 1932-4	8.4	3
10	Source, sea and sink-A holistic approach to understanding plastic pollution in the Southern Caribbean. <i>Science of the Total Environment</i> , <b>2021</b> , 797, 149098	10.2	3
9	Garbage Juice: Waste Management and Leachate Generation. <i>Journal of Chemical Education</i> , <b>2007</b> , 84, 240A	2.4	1
8	A Systematic Approach to Marine Debris Reduction Efforts and Education in New Hampshire <b>2007</b> ,		1

7	Response to Comments on Release of Arsenic to the Environment from CCA-Treated Wood. 2. Leaching and Speciation during Disposal <i>Environmental Science &amp; Technology</i> , <b>2006</b> , 40, 4811-4812	10.3	1
6	Marine plastic debris in the Arabian/Persian Gulf: Challenges, opportunities and recommendations from a transdisciplinary perspective. <i>Marine Policy</i> , <b>2022</b> , 136, 104909	3.5	1
5	Intergenerational learning: A recommendation for engaging youth to address marine debris challenges. <i>Marine Pollution Bulletin</i> , <b>2021</b> , 170, 112648	6.7	1
4	Rapid Characterization of Macroplastic Input and Leakage in the Ganges River Basin.. <i>Environmental Science &amp; Technology</i> , <b>2022</b> ,	10.3	1
3	Preservative Treated Wood <b>2010</b> , 971-981		
2	Response to Comment on Release of Arsenic to the Environment from CCA-Treated Wood. 2. Leaching and Speciation during Disposal <i>Environmental Science &amp; Technology</i> , <b>2007</b> , 41, 347-8	10.3	
1	Solid Waste. <i>Women in Engineering and Science</i> , <b>2022</b> , 391-415	0.5	