Jenna R Jambeck

List of Publications by Year
in descending order

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42 papers	21,207 citations	186209 28 h-index	289141 40 g-index
44 all docs	44 docs citations	44 times ranked	16670 citing authors

#	Article	IF	Citations
1	Production, use, and fate of all plastics ever made. Science Advances, 2017, 3, e1700782.	4.7	9,020
2	Plastic waste inputs from land into the ocean. Science, 2015, 347, 768-771.	6.0	7,686
3	Predicted growth in plastic waste exceeds efforts to mitigate plastic pollution. Science, 2020, 369, 1515-1518.	6.0	1,330
4	The Chinese import ban and its impact on global plastic waste trade. Science Advances, 2018, 4, eaat0131.	4.7	554
5	Plastic as a Persistent Marine Pollutant. Annual Review of Environment and Resources, 2017, 42, 1-26.	5.6	497
6	The United Statesâ€™ contribution of plastic waste to land and ocean. Science Advances, 2020, 6, .	4.7	261
7	An emerging source of plastic pollution: Environmental presence of plastic personal protective equipment (PPE) debris related to COVID-19 in a metropolitan city. Environmental Pollution, 2021, 269, 116160.	3.7	224
8	Challenges and emerging solutions to the land-based plastic waste issue in Africa. Marine Policy, 2018, 96, 256-263.	1.5	196
9	Spatial and Temporal Patterns of Stranded Intertidal Marine Debris: Is There a Picture of Global Change?. Environmental Science & Technology, 2015, 49, 7082-7094.	4.6	152
10	The fundamental links between climate change and marine plastic pollution. Science of the Total Environment, 2022, 806, 150392.	3.9	122
11	Release of Arsenic to the Environment from CCA-Treated Wood. 2. Leaching and Speciation during Disposal. Environmental Science & Technology, 2006, 40, 994-999.	4.6	94
12	Evaluation of XRF and LIBS technologies for on-line sorting of CCA-treated wood waste. Waste Management, 2004, 24, 413-424.	3.7	80
13	Application of the US decision support tool for materials and waste management. Waste Management, 2007, 27, 1006-1020.	3.7	78
14	Are sustainable cities â€œhappyâ€•cities? Associations between sustainable development and human well-being in urban areas of the United States. Environment, Development and Sustainability, 2014, 16, 633-647.	2.7	75
15	Biodegradation of Poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) Plastic under Anaerobic Sludge and Aerobic Seawater Conditions: Gas Evolution and Microbial Diversity. Environmental Science & Technology, 2018, 52, 5700-5709.	4.6	72
16	Treatment of landfill leachate using microbial fuel cells: Alternative anodes and semi-continuous operation. Bioresource Technology, 2013, 139, 383-387.	4.8	71
17	Municipal Solid Waste Landfill Leachate Treatment and Electricity Production Using Microbial Fuel Cells. Applied Biochemistry and Biotechnology, 2014, 173, 472-485.	1.4	71
18	Heavy metals in recovered fines from construction and demolition debris recycling facilities in Florida. Science of the Total Environment, 2004, 332, 1-11.	3.9	66

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19	Citizen-Based Litter and Marine Debris Data Collection and Mapping. Computing in Science and Engineering, 2015, 17, 20-26.	1.2	60
20	A Review of Construction and Demolition Debris Regulations in the United States. Critical Reviews in Environmental Science and Technology, 2006, 36, 141-186.	6.6	57
21	CCA-Treated wood disposed in landfills and life-cycle trade-offs with waste-to-energy and MSW landfill disposal. Waste Management, 2007, 27, S21-S28.	3.7	51
22	The Sustainable Neighborhoods for Happiness Index (SNHI): A metric for assessing a community's sustainability and potential influence on happiness. Ecological Indicators, 2014, 40, 147-152.	2.6	51
23	Leaching of chromated copper arsenate (CCA)-treated wood in a simulated monofill and its potential impacts to landfill leachate. Journal of Hazardous Materials, 2006, 135, 21-31.	6.5	50
24	Message in a bottle: Open source technology to track the movement of plastic pollution. PLoS ONE, 2020, 15, e0242459.	1.1	45
25	Life Cycle Assessment of Endâ€ofâ€Life Management Options for Construction and Demolition Debris. Journal of Industrial Ecology, 2013, 17, 396-406.	2.8	37
26	Landfill Disposal of CCA-Treated Wood with Construction and Demolition (C&D) Debris: Arsenic, Chromium, and Copper Concentrations in Leachate. Environmental Science & Technology, 2008, 42, 5740-5745.	4.6	36
27	The important role of marine debris networks to prevent and reduce ocean plastic pollution. Marine Pollution Bulletin, 2019, 141, 657-662.	2.3	35
28	Comparative Life Cycle Assessment (LCA) of Construction and Demolition (C&D) Derived Biomass and U.S. Northeast Forest Residuals Gasification for Electricity Production. Environmental Science & Technology, 2013, 47, 3463-3471.	4.6	32
29	Source, sea and sinkâ€”A holistic approach to understanding plastic pollution in the Southern Caribbean. Science of the Total Environment, 2021, 797, 149098.	3.9	22
30	Marine plastic debris in the Arabian/Persian Gulf: Challenges, opportunities and recommendations from a transdisciplinary perspective. Marine Policy, 2022, 136, 104909.	1.5	13
31	Will they recycle? Design and implementation of eco-feedback technology to promote on-the-go recycling in a university environment. Resources, Conservation and Recycling, 2016, 114, 72-79.	5.3	12
32	Intergenerational learning: A recommendation for engaging youth to address marine debris challenges. Marine Pollution Bulletin, 2021, 170, 112648.	2.3	12
33	Comparing quantity of marine debris to loggerhead sea turtle (Caretta caretta) nesting and non-nesting emergence activity on Jekyll Island, Georgia, USA. Marine Pollution Bulletin, 2019, 139, 1-5.	2.3	10
34	Reducing ocean plastic pollution: Locally led initiatives catalyzing change in South and Southeast Asia. Marine Policy, 2022, 143, 105127.	1.5	10
35	Rapid Characterization of Macroplastic Input and Leakage in the Ganges River Basin. Environmental Science & Technology, 2022, 56, 4029-4038.	4.6	8
36	Application of the Sustainable Neighborhoods for Happiness Index (SNHI) to coastal cities in the United States. Ocean and Coastal Management, 2014, 96, 203-209.	2.0	5

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37	A Systematic Approach to Marine Debris Reduction Efforts and Education in New Hampshire. , 2007, , .		3
38	Comment on â€œEvaluating landfill disposal of chromated copper arsenate (CCA) treated wood and potential effects on groundwater: Evidence from Floridaâ€•by Jennifer K. Saxe, Eric J. Wannamaker, Scott W. Conklin, Todd F. Shupe and Barbara D. Beck [Chemosphere 66 (3) (2007) 496â€“504]. Chemosphere, 2008, 70, 1930-1931.	4.2	3
39	Preservative Treated Wood. , 0, , 971-981.		3
40	Response to Comments on â€œRelease of Arsenic to the Environment from CCA-Treated Wood. 2. Leaching and Speciation during Disposalâ€• Environmental Science & Technology, 2006, 40, 4811-4812.	4.6	1
41	Garbage Juice: Waste Management and Leachate Generation. Journal of Chemical Education, 2007, 84, 240A.	1.1	1
42	Response to Comment on â€œRelease of Arsenic to the Environment from CCA-Treated Wood. 2. Leaching and Speciation during Disposalâ€• Environmental Science & Technology, 2007, 41, 347-348.	4.6	0