

# CITATION REPORT

List of articles citing

Leveling the cost and carbon footprint of circular polymers that are chemically recycled to monomer

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#	Paper	IF	Citations
37	Design of closed-loop recycling production of a Diels-Alder polymer from a biomass-derived difuran as a functional additive for polyurethanes.. <i>Green Chemistry</i> , <b>2021</b> , 23, 9479-9488	10	4
36	Plastic Waste Management: A Review of Existing Life Cycle Assessment Studies. <i>Sustainability</i> , <b>2021</b> , 13, 5340	3.6	13
35	Low strain, more gain. <i>Nature Chemistry</i> , <b>2021</b> , 13, 719-721	17.6	0
34	From Lab to Market: Current Strategies for the Production of Biobased Polyols. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 10664-10677	8.3	18
33	Toward polymer upcycling-adding value and tackling circularity. <i>Science</i> , <b>2021</b> , 373, 66-69	33.3	61
32	Why is Recycling of Postconsumer Plastics so Challenging?. <i>ACS Applied Polymer Materials</i> , <b>2021</b> , 3, 4325-4346	13.4	26
31	Sustainable 3D Printed Composites from Recycled Ocean Plastics and Pyrolyzed Soy-Hulls: Optimization of Printing Parameters, Performance Studies and Prototypes Development. <i>Composites Part C: Open Access</i> , <b>2021</b> , 100197	1.6	3
30	Quantifying Energy and Greenhouse Gas Emissions Embodied in Global Primary Plastic Trade Network. <i>ACS Sustainable Chemistry and Engineering</i> ,	8.3	0
29	The road to sustainable use and waste management of plastics in Portugal. <i>Frontiers of Environmental Science and Engineering</i> , <b>2022</b> , 16, 5	5.8	2
28	Bioengineering textiles across scales for a sustainable circular economy. <i>CheM</i> , <b>2021</b> ,	16.2	2
27	Lower-Cost, Lower-Carbon Production of Circular Polydiketoenamine Plastics. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2022</b> , 10, 2740-2749	8.3	0
26	The Frontier of Plastics Recycling: Rethinking Waste as a Resource for High-Value Applications. <i>Macromolecular Chemistry and Physics</i> , 2100488	2.6	1
25	Biodegradable Copolyesters with Unexpected Highly Blocky Microstructures and Enhanced Thermal Properties. <i>ACS Sustainable Chemistry and Engineering</i> ,	8.3	1
24	Sustainable development of graphitic carbon nanosheets from plastic wastes with efficient photothermal energy conversion for enhanced solar evaporation. <i>Journal of Materials Chemistry A</i> ,	13	4
23	A sustainable approach for the synthesis of recyclable cyclic CO <sub>2</sub> -based polycarbonates. <i>Chemical Science</i> ,	9.4	2
22	Closed-loop additive manufacturing of upcycled commodity plastic through dynamic cross-linking. <i>Science Advances</i> , <b>2022</b> , 8,	14.3	4
21	Unifying Step-Growth Polymerization and On-Demand Cascade Ring-Closure Depolymerization via Polymer Skeletal Editing. <i>Macromolecules</i> ,	5.5	1

20	Closed-loop chemical recycling of thermosetting polymers and their applications: a review. <i>Green Chemistry</i> ,	10	6
19	Innovations Toward the Valorization of Plastics Waste. <i>Annual Review of Materials Research</i> , <b>2022</b> , 52, 249-280	12.8	3
18	Structural and electronic engineering towards high-efficiency metal-free electrocatalysts for boosting oxygen evolution. <i>Chemical Engineering Journal</i> , <b>2022</b> , 450, 138063	14.7	0
17	Circularity in mixed-plastic chemical recycling enabled by variable rates of polydiketoenamine hydrolysis. <i>Science Advances</i> , <b>2022</b> , 8,	14.3	4
16	Chapter 4. Accounting Negative Emissions. How Difficult Could It Be?. <b>2022</b> , 57-79		
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14	Unraveling a path for multi-cycle recycling of tailored fiber-reinforced vitrimer composites. <b>2022</b> , 3, 101036		0
13	Sustainable Design of Structural and Functional Polymers for a Circular Economy.		0
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