

An engineered PET depolymerase to break down and re

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Rise of the sustainable circular economy platform from waste plastics: A biotechnological perspective. <i>MRS Energy & Sustainability</i> , 2020, 7, 1.	1.3	9
2	Plastic pollution solutions: emerging technologies to prevent and collect marine plastic pollution. <i>Environment International</i> , 2020, 144, 106067.	4.8	200
3	Recent advances in biocatalysts engineering for polyethylene terephthalate plastic waste green recycling. <i>Environment International</i> , 2020, 145, 106144.	4.8	116
4	Possibilities and limitations of biotechnological plastic degradation and recycling. <i>Nature Catalysis</i> , 2020, 3, 867-871.	16.1	233
5	Catalytic synthesis of renewable p-xylene from biomass-derived 2,5-dimethylfuran: a mini review. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 541-554.	2.9	29
6	Cleavable comonomers enable degradable, recyclable thermoset plastics. <i>Nature</i> , 2020, 583, 542-547.	13.7	253
7	Health impacts of environmental contamination of micro- and nanoplastics: a review. <i>Environmental Health and Preventive Medicine</i> , 2020, 25, 29.	1.4	180
8	Polyethylene terephthalate degradation under natural and accelerated weathering conditions. <i>European Polymer Journal</i> , 2020, 136, 109873.	2.6	120
9	Enzymatic Remediation of Polyethylene Terephthalate (PET)-Based Polymers for Effective Management of Plastic Wastes: An Overview. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 602325.	2.0	79
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12	Microplastics in soils: A review of methods, occurrence, fate, transport, ecological and environmental risks. <i>Science of the Total Environment</i> , 2020, 748, 141368.	3.9	242
13	Polyethylene Terephthalate Deconstruction Catalyzed by a Carbon-Supported Single-Site Molybdenum-Dioxo Complex. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19857-19861.	7.2	109
14	A metalloprotein-inspired thermo-gene for thermogels. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 4086-4091.	3.0	4
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17	Biodegradation mechanism of polycaprolactone by a novel esterase MGS0156: a QM/MM approach. <i>Environmental Sciences: Processes and Impacts</i> , 2020, 22, 2332-2344.	1.7	14
18	100th Anniversary of Macromolecular Science Viewpoint: Needs for Plastics Packaging Circularity. <i>ACS Macro Letters</i> , 2020, 9, 1376-1390.	2.3	76

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19	Polyethylene Terephthalate Deconstruction Catalyzed by a Carbon-Supported Single-Site Molybdenum-Dioxo Complex. <i>Angewandte Chemie</i> , 2020, 132, 20029-20033.	1.6	22
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38	Towards the Circular Economy: Converting Aromatic Plastic Waste Back to Arenes over a Ru/Nb ₂ O ₅ Catalyst. <i>Angewandte Chemie</i> , 2021, 133, 5587-5595.	1.6	42
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