

Adriano Carniel

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Biocatalytic depolymerization of waste polyester mooring lines from oil and gas offshore platforms made of poly(ethylene terephthalate) (<scp>PET</scp>). <i>Journal of Chemical Technology and Biotechnology</i> , 2022, 97, 709-718.	1.6	3
2	Process strategies to improve biocatalytic depolymerization of post-consumer PET packages in bioreactors, and investigation on consumables cost reduction. <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 507-516.	1.7	15
3	A comprehensive and critical review on key elements to implement enzymatic PET depolymerization for recycling purposes. <i>Biotechnology Advances</i> , 2021, 52, 107811.	6.0	52
4	Identification of genes from the general phenylpropanoid and monolignol-specific metabolism in two sugarcane lignin-contrasting genotypes. <i>Molecular Genetics and Genomics</i> , 2020, 295, 717-739.	1.0	8
5	High-fold improvement of assorted post-consumer poly(ethylene terephthalate) (PET) packages hydrolysis using <i>Humicola insolens</i> cutinase as a single biocatalyst. <i>Process Biochemistry</i> , 2019, 81, 85-91.	1.8	45
6	Enzyme-catalyzed simultaneous hydrolysis-glycolysis reactions reveals tunability on PET depolymerization products. <i>Biochemical Engineering Journal</i> , 2018, 137, 239-246.	1.8	15
7	Screening of commercial enzymes for poly(ethylene terephthalate) (PET) hydrolysis and synergy studies on different substrate sources. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2017, 44, 835-844.	1.4	84
8	A novel process for poly(ethylene terephthalate) depolymerization via enzyme-catalyzed glycolysis. <i>Biochemical Engineering Journal</i> , 2017, 124, 64-68.	1.8	31
9	Lipase from <i>Candida antarctica</i> (CALB) and cutinase from <i>Humicola insolens</i> act synergistically for PET hydrolysis to terephthalic acid. <i>Process Biochemistry</i> , 2017, 59, 84-90.	1.8	191