

Darren J Peterson

List of Publications by Year in descending order

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14
papers

1,114
citations

686830

13
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996533

15
g-index

15
all docs

15
docs citations

15
times ranked

1462
citing authors

#	ARTICLE	IF	CITATIONS
1	Production of itaconic acid from alkali pretreated lignin by dynamic two stage bioconversion. Nature Communications, 2021, 12, 2261.	5.8	72
2	Process intensification for the biological production of the fuel precursor butyric acid from biomass. Cell Reports Physical Science, 2021, 2, 100587.	2.8	12
3	Metabolic engineering of <i>Pseudomonas putida</i> for increased polyhydroxyalkanoate production from lignin. Microbial Biotechnology, 2020, 13, 290-298.	2.0	120
4	Engineered <i>Pseudomonas putida</i> simultaneously catabolizes five major components of corn stover lignocellulose: Glucose, xylose, arabinose, p-coumaric acid, and acetic acid. Metabolic Engineering, 2020, 62, 62-71.	3.6	63
5	Microbial electrochemical treatment of biorefinery black liquor and resource recovery. Green Chemistry, 2019, 21, 1258-1266.	4.6	28
6	Innovative Chemicals and Materials from Bacterial Aromatic Catabolic Pathways. Joule, 2019, 3, 1523-1537.	11.7	142
7	<i>In situ</i> recovery of bio-based carboxylic acids. Green Chemistry, 2018, 20, 1791-1804.	4.6	63
8	Bioprocess development for muconic acid production from aromatic compounds and lignin. Green Chemistry, 2018, 20, 5007-5019.	4.6	127
9	Revisiting alkaline aerobic lignin oxidation. Green Chemistry, 2018, 20, 3828-3844.	4.6	114
10	The Effect of Biomass Densification on Structural Sugar Release and Yield in Biofuel Feedstock and Feedstock Blends. Bioenergy Research, 2017, 10, 478-487.	2.2	26
11	Metabolic Engineering of <i>Actinobacillus succinogenes</i> Provides Insights into Succinic Acid Biosynthesis. Applied and Environmental Microbiology, 2017, 83, .	1.4	47
12	Succinic acid production from lignocellulosic hydrolysate by <i>Basfia succiniciproducens</i> . Bioresource Technology, 2016, 214, 558-566.	4.8	63
13	Enhancing muconic acid production from glucose and lignin-derived aromatic compounds via increased protocatechuate decarboxylase activity. Metabolic Engineering Communications, 2016, 3, 111-119.	1.9	194
14	A laboratory-scale pretreatment and hydrolysis assay for determination of reactivity in cellulosic biomass feedstocks. Biotechnology for Biofuels, 2013, 6, 162.	6.2	29