

# Darren J Peterson

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12123930/publications.pdf>

Version: 2024-02-01

14  
papers

1,114  
citations

686830

13  
h-index

996533

15  
g-index

15  
all docs

15  
docs citations

15  
times ranked

1462  
citing authors

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