

# Difeng Gao

## List of Publications by Year in descending order

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Version: 2024-02-01

14  
papers

805  
citations

623734

14  
h-index

1058476

14  
g-index

14  
all docs

14  
docs citations

14  
times ranked

1309  
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulation of starch and lipid accumulation in a microalga <i>Chlorella sorokiniana</i> . <i>Bioresource Technology</i> , 2015, 180, 250-257.	9.6	110
2	Hydrothermal catalytic deoxygenation of palmitic acid over nickel catalyst. <i>Fuel</i> , 2016, 166, 302-308.	6.4	110
3	Engineering xylose utilization in <i>Yarrowia lipolytica</i> by understanding its cryptic xylose pathway. <i>Biotechnology for Biofuels</i> , 2016, 9, 149.	6.2	105
4	Two-step microalgal biodiesel production using acidic catalyst generated from pyrolysis-derived bio-char. <i>Energy Conversion and Management</i> , 2015, 105, 1389-1396.	9.2	91
5	Lignocellulosic biomass as a carbohydrate source for lipid production by <i>Mortierella isabellina</i> . <i>Bioresource Technology</i> , 2013, 128, 385-391.	9.6	80
6	Microbial lipid production from xylose by <i>Mortierella isabellina</i> . <i>Bioresource Technology</i> , 2013, 133, 315-321.	9.6	65
7	Improved lipid accumulation by morphology engineering of oleaginous fungus <i>Mortierella isabellina</i> . <i>Biotechnology and Bioengineering</i> , 2014, 111, 1758-1766.	3.3	41
8	Hydrothermal Catalytic Deoxygenation of Fatty Acid and Bio-oil with In Situ $H_2$ . <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 4521-4530.	6.7	40
9	Dual CRISPR-Cas9 Cleavage Mediated Gene Excision and Targeted Integration in <i>Yarrowia lipolytica</i> . <i>Biotechnology Journal</i> , 2018, 13, e1700590.	3.5	36
10	Direct quantification of fatty acids in wet microalgal and yeast biomass via a rapid in situ fatty acid methyl ester derivatization approach. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 10237-10247.	3.6	28
11	Advanced biorefinery in lower termite-effect of combined pretreatment during the chewing process. <i>Biotechnology for Biofuels</i> , 2012, 5, 11.	6.2	26
12	Recent advances in bioengineering of the oleaginous yeast <i>Yarrowia lipolytica</i> . <i>AIMS Bioengineering</i> , 2016, 3, 493-514.	1.1	26
13	Effects of lignin modification on wheat straw cell wall deconstruction by <i>Phanerochaete chrysosporium</i> . <i>Biotechnology for Biofuels</i> , 2014, 7, 161.	6.2	24
14	Advances and opportunities in gene editing and gene regulation technology for <i>Yarrowia lipolytica</i> . <i>Microbial Cell Factories</i> , 2019, 18, 208.	4.0	23