

# Dongming Xie

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

1,219  
citations

687220

13  
h-index

477173

29  
g-index

31  
all docs

31  
docs citations

31  
times ranked

1211  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interpretable biomanufacturing process risk and sensitivity analyses for quality-by-design and stability control. <i>Naval Research Logistics</i> , 2022, 69, 461-483.	1.4	8
2	Recent Advances in Biological Recycling of Polyethylene Terephthalate (PET) Plastic Wastes. <i>Bioengineering</i> , 2022, 9, 98.	1.6	45
3	Understanding Consequences and Tradeoffs of Melt Processing as a Pretreatment for Enzymatic Depolymerization of Poly(ethylene terephthalate). <i>Macromolecular Rapid Communications</i> , 2022, 43, e2100929.	2.0	9
4	Metabolic engineering of oleaginous yeast <i>Rhodotorula toruloides</i> for overproduction of triacetic acid lactone. <i>Biotechnology and Bioengineering</i> , 2022, 119, 2529-2540.	1.7	20
5	Biomanufacturing of value-added products from oils or fats: A case study on cellular and fermentation engineering of <i>Yarrowia lipolytica</i> . <i>Biotechnology and Bioengineering</i> , 2021, 118, 1658-1673.	1.7	5
6	Microbial synthesis of wax esters. <i>Metabolic Engineering</i> , 2021, 67, 428-442.	3.6	22
7	Lycopene production from glucose, fatty acid and waste cooking oil by metabolically engineered <i>Escherichia coli</i> . <i>Biochemical Engineering Journal</i> , 2020, 155, 107488.	1.8	39
8	Metabolic engineering of an acid-tolerant yeast strain <i>Pichia kudriavzevii</i> for itaconic acid production. <i>Metabolic Engineering Communications</i> , 2020, 10, e00124.	1.9	53
9	At-line N-linked glycan profiling for monoclonal antibodies with advanced sample preparation and high-performance liquid chromatography. <i>Journal of Bioscience and Bioengineering</i> , 2020, 130, 327-333.	1.1	9
10	Cellular and metabolic engineering of oleaginous yeast <i>Yarrowia lipolytica</i> for bioconversion of hydrophobic substrates into high-value products. <i>Engineering in Life Sciences</i> , 2019, 19, 423-443.	2.0	34
11	Omega-3 production by fermentation of <i>Yarrowia lipolytica</i> : From fed-batch to continuous. <i>Biotechnology and Bioengineering</i> , 2017, 114, 798-812.	1.7	43
12	Integrating Cellular and Bioprocess Engineering in the Non-Conventional Yeast <i>Yarrowia lipolytica</i> for Biodiesel Production: A Review. <i>Frontiers in Bioengineering and Biotechnology</i> , 2017, 5, 65.	2.0	36
13	Sustainable Production of Omega-3 Eicosapentaenoic Acid by Fermentation of Metabolically Engineered <i>Yarrowia lipolytica</i> . <i>Green Chemistry and Sustainable Technology</i> , 2016, , 17-33.	0.4	5
14	Sustainable source of omega-3 eicosapentaenoic acid from metabolically engineered <i>Yarrowia lipolytica</i> : from fundamental research to commercial production. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 1599-1610.	1.7	174
15	Production of omega-3 eicosapentaenoic acid by metabolic engineering of <i>Yarrowia lipolytica</i> . <i>Nature Biotechnology</i> , 2013, 31, 734-740.	9.4	470
16	Using an Advanced Microfermentor System for Strain Screening and Fermentation Optimization. <i>Methods in Molecular Biology</i> , 2012, 834, 217-231.	0.4	3
17	Microbial synthesis of triacetic acid lactone. <i>Biotechnology and Bioengineering</i> , 2006, 93, 727-736.	1.7	82
18	Benzene-Free Synthesis of Catechol: Interfacing Microbial and Chemical Catalysis. <i>Journal of the American Chemical Society</i> , 2005, 127, 2874-2882.	6.6	75

#	ARTICLE	IF	CITATIONS
19	Effect of electrolytic systems on electrochemical hydrogenation of mesophase coal tar pitch. Fuel Processing Technology, 2003, 80, 81-90.	3.7	18
20	Effects of phosphorus and nitrogen limitations on continuous production of glycerol in a multistage cascade bioreactor by <i>Candida krusei</i> . Biochemical Engineering Journal, 2003, 15, 101-106.	1.8	4
21	Model-based optimization of temperature and feed control strategies for glycerol production by fed-batch culture of osmophilic yeast <i>Candida krusei</i> . Biochemical Engineering Journal, 2002, 11, 111-121.	1.8	5
22	Critical influence of osmotic pressure on continuous production of glycerol by an osmophilic strain of <i>Candida krusei</i> in a multistage cascade bioreactor. Process Biochemistry, 2002, 38, 427-432.	1.8	11
23	Production of glycerol by fermentation using osmophilic yeast <i>Candida krusei</i> with different starchy substrates. Enzyme and Microbial Technology, 2002, 30, 758-762.	1.6	8
24	Title is missing!. Biotechnology Letters, 2002, 24, 1137-1140.	1.1	9
25	Title is missing!. Biotechnology Letters, 2002, 24, 1539-1542.	1.1	8
26	Optimization of Glycerol Fed-Batch Fermentation in Different Reactor States: A Variable Kinetic Parameter Approach. Applied Biochemistry and Biotechnology, 2002, 101, 131-152.	1.4	2
27	Effect of Technological Factors on Electrochemical Hydrogenation of Lignin. Canadian Journal of Chemical Engineering, 2002, 80, 1-5.	0.9	5
28	Modeling of glycerol production by fermentation in different reactor states. Process Biochemistry, 2001, 36, 1225-1232.	1.8	12
29	Multipulse Feed Strategy for Glycerol Fed-Batch Fermentation: A Steady-State Nonlinear Optimization Approach. Applied Biochemistry and Biotechnology, 2001, 95, 103-112.	1.4	5