

Zhi-Peng Wang

List of Publications by Year in descending order

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46
papers

1,287
citations

304743

22
h-index

377865

34
g-index

47
all docs

47
docs citations

47
times ranked

1118
citing authors

#	ARTICLE	IF	CITATIONS
1	Microbial biosynthesis and secretion of <i>l</i> -malic acid and its applications. <i>Critical Reviews in Biotechnology</i> , 2016, 36, 99-107.	9.0	133
2	Yeast killer toxins, molecular mechanisms of their action and their applications. <i>Critical Reviews in Biotechnology</i> , 2015, 35, 222-234.	9.0	84
3	Taxonomy of <i>Aureobasidium</i> spp. and biosynthesis and regulation of their extracellular polymers. <i>Critical Reviews in Microbiology</i> , 2015, 41, 228-237.	6.1	74
4	Disruption of the MIG1 gene enhances lipid biosynthesis in the oleaginous yeast <i>Yarrowia lipolytica</i> ACA-DC 50109. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2013, 1831, 675-682.	2.4	70
5	High-level pullulan production by <i>Aureobasidium pullulans</i> var. <i>melanogenum</i> P16 isolated from mangrove system. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 4865-4873.	3.6	69
6	High level lipid production by a novel inulinase-producing yeast <i>Pichia guilliermondii</i> Pcla22. <i>Bioresource Technology</i> , 2012, 124, 77-82.	9.6	51
7	Calcium malate overproduction by <i>Penicillium viticola</i> 152 using the medium containing corn steep liquor. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 1539-1546.	3.6	49
8	Combined enzymatic hydrolysis and selective fermentation for green production of alginate oligosaccharides from <i>Laminaria japonica</i> . <i>Bioresource Technology</i> , 2019, 281, 84-89.	9.6	49
9	High and efficient isomaltulose production using an engineered <i>Yarrowia lipolytica</i> strain. <i>Bioresource Technology</i> , 2018, 265, 577-580.	9.6	40
10	Overproduction of poly(<i>l</i> -malic acid) (PMA) from glucose by a novel <i>Aureobasidium</i> sp. P6 strain isolated from mangrove system. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 8931-8939.	3.6	35
11	Heavy oils, principally long-chain <i>n</i> -alkanes secreted by <i>Aureobasidium pullulans</i> var. <i>melanogenum</i> strain P5 isolated from mangrove system. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2014, 41, 1329-1337.	3.0	33
12	Role of pyruvate carboxylase in accumulation of intracellular lipid of the oleaginous yeast <i>Yarrowia lipolytica</i> ACA-DC 50109. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 1637-1645.	3.6	32
13	Cloning, Secretary Expression and Characterization of a Unique pH-Stable and Cold-Adapted Alginate Lyase. <i>Marine Drugs</i> , 2020, 18, 189.	4.6	31
14	Citric acid production from extract of Jerusalem artichoke tubers by the genetically engineered yeast <i>Yarrowia lipolytica</i> strain 30 and purification of citric acid. <i>Bioprocess and Biosystems Engineering</i> , 2013, 36, 1759-1766.	3.4	30
15	Improved pullulan production by a mutant of <i>Aureobasidium melanogenum</i> TN3-1 from a natural honey and capsule shell preparation. <i>International Journal of Biological Macromolecules</i> , 2019, 141, 268-277.	7.5	29
16	Efficient Conversion of Cane Molasses Towards High-Purity Isomaltulose and Cellular Lipid Using an Engineered <i>Yarrowia lipolytica</i> Strain in Fed-Batch Fermentation. <i>Molecules</i> , 2019, 24, 1228.	3.8	29
17	High-level production of calcium malate from glucose by <i>Penicillium sclerotiorum</i> K302. <i>Bioresource Technology</i> , 2013, 143, 674-677.	9.6	28
18	Novel two-stage solid-state fermentation for erythritol production on okara "buckwheat husk medium. <i>Bioresource Technology</i> , 2018, 266, 439-446.	9.6	27

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19	Oil crop wastes as substrate candidates for enhancing erythritol production by modified <i>Yarrowia lipolytica</i> via one-step solid state fermentation. <i>Bioresource Technology</i> , 2019, 294, 122194.	9.6	27
20	Occurrence and Diversity of Yeasts in the Mangrove Ecosystems in Fujian, Guangdong and Hainan Provinces of China. <i>Indian Journal of Microbiology</i> , 2012, 52, 346-353.	2.7	26
21	Direct conversion of inulin into cell lipid by an inulinase-producing yeast <i>Rhodospiridium toruloides</i> 2F5. <i>Bioresource Technology</i> , 2014, 161, 131-136.	9.6	26
22	Biglycan as a potential diagnostic and prognostic biomarker in multiple human cancers. <i>Oncology Letters</i> , 2020, 19, 1673-1682.	1.8	25
23	Transcriptomic Mechanism of the Phytohormone 6-Benzylaminopurine (6-BAP) Stimulating Lipid and DHA Synthesis in <i>Aurantiochytrium</i> sp.. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 5560-5570.	5.2	23
24	The changes in Tps1 activity, trehalose content and expression of TPS1 gene in the psychrotolerant yeast <i>Guehomyces pullulans</i> 17-1 grown at different temperatures. <i>Extremophiles</i> , 2013, 17, 241-249.	2.3	22
25	Fungal community analysis in seawater of the Mariana Trench as estimated by Illumina HiSeq. <i>RSC Advances</i> , 2019, 9, 6956-6964.	3.6	22
26	Overexpression of secreted sucrose isomerase in <i>Yarrowia lipolytica</i> and its application in isomaltulose production after immobilization. <i>International Journal of Biological Macromolecules</i> , 2019, 121, 97-103.	7.5	21
27	Improvement in the thermostability of chitosanase from <i>Bacillus ehimensis</i> by introducing artificial disulfide bonds. <i>Biotechnology Letters</i> , 2016, 38, 1809-1815.	2.2	20
28	Cloning, characterization and heterologous expression of the INU1 gene from <i>Cryptococcus aureus</i> HYA. <i>Gene</i> , 2013, 516, 255-262.	2.2	17
29	Production, Biosynthesis, and Commercial Applications of Fatty Acids From Oleaginous Fungi. <i>Frontiers in Nutrition</i> , 2022, 9, .	3.7	14
30	Enhancing the erythritol production by <i>Yarrowia lipolytica</i> from waste oil using loofah sponge as oil-in-water dispersant. <i>Biochemical Engineering Journal</i> , 2019, 151, 107302.	3.6	13
31	Characterization of a New Intracellular Alginate Lyase with Metal Ions-Tolerant and pH-Stable Properties. <i>Marine Drugs</i> , 2020, 18, 416.	4.6	13
32	Characterization of a Robust and pH-Stable Tannase from Mangrove-Derived Yeast <i>Rhodospiridium diobovatum</i> Q95. <i>Marine Drugs</i> , 2020, 18, 546.	4.6	13
33	Production of a thermo-tolerant $\hat{\text{I}}^{\text{a}}$ -carrageenase via a food-grade host and anti-oxidant activity of its enzymatic hydrolysate. <i>Food Chemistry</i> , 2021, 339, 128027.	8.2	13
34	<i>Laminaria japonica</i> hydrolysate promotes fucoxanthin accumulation in <i>Phaeodactylum tricorutum</i> . <i>Bioresource Technology</i> , 2022, 344, 126117.	9.6	12
35	Integrated Approaches to Reveal Genes Crucial for Tannin Degradation in <i>Aureobasidium melanogenum</i> T9. <i>Biomolecules</i> , 2019, 9, 439.	4.0	11
36	Novel strategy of incorporating biochar in solid-state fermentation for enhancing erythritol production by forming "microzones". <i>Bioresource Technology</i> , 2020, 306, 123141.	9.6	11

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37	High-Throughput Biochemical Fingerprinting of Oleaginous <i>Aurantiochytrium</i> sp. Strains by Fourier Transform Infrared Spectroscopy (FT-IR) for Lipid and Carbohydrate Productions. <i>Molecules</i> , 2019, 24, 1593.	3.8	9
38	Microevolutionary Dynamics of Chicken Genomes under Divergent Selection for Adiposity. <i>IScience</i> , 2020, 23, 101193.	4.1	9
39	Whole Conversion of Soybean Molasses into Isomaltulose and Ethanol by Combining Enzymatic Hydrolysis and Successive Selective Fermentations. <i>Biomolecules</i> , 2019, 9, 353.	4.0	8
40	Transcriptome Mechanism of Utilizing Corn Steep Liquor as the Sole Nitrogen Resource for Lipid and DHA Biosynthesis in Marine Oleaginous Protist <i>Aurantiochytrium</i> sp.. <i>Biomolecules</i> , 2019, 9, 695.	4.0	8
41	Characterization of Nuclear and Mitochondrial Genomes of Two Tobacco Endophytic Fungi <i>Leptosphaerulina chartarum</i> and <i>Curvularia trifolii</i> and Their Contributions to Phylogenetic Implications in the Pleosporales. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2461.	4.1	7
42	Secretory Expression of an Alkaline Alginate Lyase With Heat Recovery Property in <i>Yarrowia lipolytica</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 710533.	3.5	6
43	Expression and Characterization of a Novel Cold-Adapted Chitosanase from Marine <i>Renibacterium</i> sp. Suitable for Chitooligosaccharides Preparation. <i>Marine Drugs</i> , 2021, 19, 596.	4.6	6
44	One-step utilization of inulin for docosahexaenoic acid (DHA) production by recombinant <i>Aurantiochytrium</i> sp. carrying <i>Kluyveromyces marxianus</i> inulinase. <i>Bioprocess and Biosystems Engineering</i> , 2020, 43, 1801-1811.	3.4	5
45	Whole conversion of agro-industrial wastes rich in galactose-based carbohydrates into lipid using oleaginous yeast <i>Aureobasidium namibiae</i> . <i>Biotechnology for Biofuels</i> , 2021, 14, 181.	6.2	4
46	Analysis of selection signatures on the Z chromosome of bidirectional selection broiler lines for the assessment of abdominal fat content. <i>BMC Genomic Data</i> , 2021, 22, 18.	1.7	3