

Zbigniew Lazar

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

1,524
citations

361045

20
h-index

414034

32
g-index

33
all docs

33
docs citations

33
times ranked

1300
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Advances in production of high-value lipids by oleaginous yeasts. <i>Critical Reviews in Biotechnology</i> , 2022, 42, 1-22. | 5.1 | 34 |
| 2 | Chokeberry Pomace as a Component Shaping the Content of Bioactive Compounds and Nutritional, Health-Promoting (Anti-Diabetic and Antioxidant) and Sensory Properties of Shortcrust Pastries Sweetened with Sucrose and Erythritol. <i>Antioxidants</i> , 2022, 11, 190. | 2.2 | 5 |
| 3 | The Influence of <i>Yarrowia lipolytica</i> Glycosylation on the Biochemical Properties and Oligomerization of Heterologous Invertase. <i>Sustainability</i> , 2022, 14, 7926. | 1.6 | 1 |
| 4 | A 37-amino acid loop in the <i>Yarrowia lipolytica</i> hexokinase impacts its activity and affinity and modulates gene expression. <i>Scientific Reports</i> , 2021, 11, 6412. | 1.6 | 7 |
| 5 | Sustainable Surfactin Production by <i>Bacillus subtilis</i> Using Crude Glycerol from Different Wastes. <i>Molecules</i> , 2021, 26, 3488. | 1.7 | 35 |
| 6 | Application of a New Engineered Strain of <i>Yarrowia lipolytica</i> for Effective Production of Calcium Ketoglutarate Dietary Supplements. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7577. | 1.8 | 5 |
| 7 | The Role of Hexokinase and Hexose Transporters in Preferential Use of Glucose over Fructose and Downstream Metabolic Pathways in the Yeast <i>Yarrowia lipolytica</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 9282. | 1.8 | 8 |
| 8 | New Cytoplasmic Virus-Like Elements (VLEs) in the Yeast <i>Debaryomyces hansenii</i> . <i>Toxins</i> , 2021, 13, 615. | 1.5 | 3 |
| 9 | High value-added products derived from crude glycerol via microbial fermentation using <i>Yarrowia</i> clade yeast. <i>Microbial Cell Factories</i> , 2021, 20, 195. | 1.9 | 18 |
| 10 | Overexpression of Citrate Synthase Increases Isocitric Acid Biosynthesis in the Yeast <i>Yarrowia lipolytica</i> . <i>Sustainability</i> , 2020, 12, 7364. | 1.6 | 10 |
| 11 | Nitrogen as the major factor influencing gene expression in <i>Yarrowia lipolytica</i> . <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2020, 27, e00521. | 2.1 | 18 |
| 12 | De novo production of resveratrol from glycerol by engineering different metabolic pathways in <i>Yarrowia lipolytica</i> . <i>Metabolic Engineering Communications</i> , 2020, 11, e00146. | 1.9 | 16 |
| 13 | Enhancing isoprenoid synthesis in <i>Yarrowia lipolytica</i> by expressing the isopentenol utilization pathway and modulating intracellular hydrophobicity. <i>Metabolic Engineering</i> , 2020, 61, 344-351. | 3.6 | 75 |
| 14 | Synergistic substrate cofeeding stimulates reductive metabolism. <i>Nature Metabolism</i> , 2019, 1, 643-651. | 5.1 | 71 |
| 15 | Production of high titer of citric acid from inulin. <i>BMC Biotechnology</i> , 2019, 19, 11. | 1.7 | 27 |
| 16 | Holistic Approaches in Lipid Production by <i>Yarrowia lipolytica</i> . <i>Trends in Biotechnology</i> , 2018, 36, 1157-1170. | 4.9 | 104 |
| 17 | Characterization of hexose transporters in <i>Yarrowia lipolytica</i> reveals new groups of Sugar Porters involved in yeast growth. <i>Fungal Genetics and Biology</i> , 2017, 100, 1-12. | 0.9 | 31 |
| 18 | Transforming sugars into fat - lipid biosynthesis using different sugars in <i>Yarrowia lipolytica</i> . <i>Yeast</i> , 2017, 34, 293-304. | 0.8 | 22 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Two-stage continuous culture " Technology boosting erythritol production. <i>Journal of Cleaner Production</i> , 2017, 168, 420-427. | 4.6 | 18 |
| 20 | Metabolic engineering of <i>Yarrowia lipolytica</i> to produce chemicals and fuels from xylose. <i>Metabolic Engineering</i> , 2016, 38, 115-124. | 3.6 | 181 |
| 21 | Efficient utilization of inulin and glycerol as fermentation substrates in erythritol and citric acid production using <i>Yarrowia lipolytica</i> expressing inulinase. <i>Chemical Papers</i> , 2016, 70, . | 1.0 | 24 |
| 22 | Sweet and sour potential of yeast from the <i>Yarrowia</i> clade. <i>Biomass and Bioenergy</i> , 2016, 92, 48-54. | 2.9 | 31 |
| 23 | Technology of efficient continuous erythritol production from glycerol. <i>Journal of Cleaner Production</i> , 2016, 139, 905-913. | 4.6 | 33 |
| 24 | Draft Genome Sequence of <i>Yarrowia lipolytica</i> Strain A-101 Isolated from Polluted Soil in Poland. <i>Genome Announcements</i> , 2016, 4, . | 0.8 | 18 |
| 25 | Awakening the endogenous Leloir pathway for efficient galactose utilization by <i>Yarrowia lipolytica</i> . <i>Biotechnology for Biofuels</i> , 2015, 8, 185. | 6.2 | 44 |
| 26 | Lipid production by the oleaginous yeast <i>Yarrowia lipolytica</i> using industrial by-products under different culture conditions. <i>Biotechnology for Biofuels</i> , 2015, 8, 104. | 6.2 | 155 |
| 27 | Analysis of ATP-citrate lyase and malic enzyme mutants of <i>Yarrowia lipolytica</i> points out the importance of mannitol metabolism in fatty acid synthesis. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2015, 1851, 1107-1117. | 1.2 | 89 |
| 28 | Hexokinase" A limiting factor in lipid production from fructose in <i>Yarrowia lipolytica</i> . <i>Metabolic Engineering</i> , 2014, 26, 89-99. | 3.6 | 113 |
| 29 | Genes encoding DNA polymerases on linear dsDNA plasmids of <i>Debaryomyces hansenii</i> yeasts share very high homology. <i>New Biotechnology</i> , 2014, 31, S219. | 2.4 | 0 |
| 30 | Optimized invertase expression and secretion cassette for improving <i>Yarrowia lipolytica</i> growth on sucrose for industrial applications. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2013, 40, 1273-1283. | 1.4 | 68 |
| 31 | Glycerol as a promising substrate for <i>Yarrowia lipolytica</i> biotechnological applications. <i>Biomass and Bioenergy</i> , 2013, 48, 148-166. | 2.9 | 160 |
| 32 | Simultaneous production of citric acid and invertase by <i>Yarrowia lipolytica</i> SUC+ transformants. <i>Bioresource Technology</i> , 2011, 102, 6982-6989. | 4.8 | 76 |
| 33 | Identification, Characterization, and Biosynthesis of a Novel N-Glycan Modification in the Fruiting Body of the Basidiomycete <i>Coprinopsis cinerea</i> . <i>Journal of Biological Chemistry</i> , 2010, 285, 10715-10723. | 1.6 | 24 |