# Zbigniew Lazar

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1108040/publications.pdf

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| 33 | 1,524 | 361045 | 414034 |
|---|---|---|---|
| papers | citations | 20 | 32 |
| | | h-index | g-index |

| 33 | 33 | 33 | 1300 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Metabolic engineering of Yarrowia lipolytica to produce chemicals and fuels from xylose. Metabolic Engineering, 2016, 38, 115-124. | 3.6 | 181 |
| 2 | Glycerol as a promising substrate for Yarrowia lipolytica biotechnological applications. Biomass and Bioenergy, 2013, 48, 148-166. | 2.9 | 160 |
| 3 | Lipid production by the oleaginous yeast Yarrowia lipolytica using industrial by-products under different culture conditions. Biotechnology for Biofuels, 2015, 8, 104. | 6.2 | 155 |
| 4 | Hexokinaseâ€"A limiting factor in lipid production from fructose in Yarrowia lipolytica. Metabolic Engineering, 2014, 26, 89-99. | 3.6 | 113 |
| 5 | Holistic Approaches in Lipid Production by Yarrowia lipolytica. Trends in Biotechnology, 2018, 36, 1157-1170. | 4.9 | 104 |
| 6 | Analysis of ATP-citrate lyase and malic enzyme mutants of Yarrowia lipolytica points out the importance of mannitol metabolism in fatty acid synthesis. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2015, 1851, 1107-1117. | 1.2 | 89 |
| 7 | Simultaneous production of citric acid and invertase by Yarrowia lipolytica SUC+ transformants. Bioresource Technology, 2011, 102, 6982-6989. | 4.8 | 76 |
| 8 | Enhancing isoprenoid synthesis in Yarrowia lipolytica by expressing the isopentenol utilization pathway and modulating intracellular hydrophobicity. Metabolic Engineering, 2020, 61, 344-351. | 3.6 | 75 |
| 9 | Synergistic substrate cofeeding stimulates reductive metabolism. Nature Metabolism, 2019, 1, 643-651. | 5.1 | 71 |
| 10 | Optimized invertase expression and secretion cassette for improving Yarrowia lipolytica growth on sucrose for industrial applications. Journal of Industrial Microbiology and Biotechnology, 2013, 40, 1273-1283. | 1.4 | 68 |
| 11 | Awakening the endogenous Leloir pathway for efficient galactose utilization by Yarrowia lipolytica. Biotechnology for Biofuels, 2015, 8, 185. | 6.2 | 44 |
| 12 | Sustainable Surfactin Production by Bacillus subtilis Using Crude Glycerol from Different Wastes. Molecules, 2021, 26, 3488. | 1.7 | 35 |
| 13 | Advances in production of high-value lipids by oleaginous yeasts. Critical Reviews in Biotechnology, 2022, 42, 1-22. | 5.1 | 34 |
| 14 | Technology of efficient continuous erythritol production from glycerol. Journal of Cleaner Production, 2016, 139, 905-913. | 4.6 | 33 |
| 15 | Sweet and sour potential of yeast from the Yarrowia clade. Biomass and Bioenergy, 2016, 92, 48-54. | 2.9 | 31 |
| 16 | Characterization of hexose transporters in Yarrowia lipolytica reveals new groups of Sugar Porters involved in yeast growth. Fungal Genetics and Biology, 2017, 100, 1-12. | 0.9 | 31 |
| 17 | Production of high titer of citric acid from inulin. BMC Biotechnology, 2019, 19, 11. | 1.7 | 27 |
| 18 | Identification, Characterization, and Biosynthesis of a Novel N-Glycan Modification in the Fruiting Body of the Basidiomycete Coprinopsis cinerea. Journal of Biological Chemistry, 2010, 285, 10715-10723. | 1.6 | 24 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Efficient utilization of inulin and glycerol as fermentation substrates in erythritol and citric acid production using Yarrowia lipolytica expressing inulinase. Chemical Papers, 2016, 70, . | 1.0 | 24 |
| 20 | Transforming sugars into fat - lipid biosynthesis using different sugars inYarrowia lipolytica. Yeast, 2017, 34, 293-304. | 0.8 | 22 |
| 21 | Draft Genome Sequence of Yarrowia lipolytica Strain A-101 Isolated from Polluted Soil in Poland. Genome Announcements, 2016, 4, . | 0.8 | 18 |
| 22 | Two-stage continuous culture â€“ Technology boosting erythritol production. Journal of Cleaner Production, 2017, 168, 420-427. | 4.6 | 18 |
| 23 | Nitrogen as the major factor influencing gene expression in Yarrowia lipolytica. Biotechnology Reports (Amsterdam, Netherlands), 2020, 27, e00521. | 2.1 | 18 |
| 24 | High value-added products derived from crude glycerol via microbial fermentation using Yarrowia clade yeast. Microbial Cell Factories, 2021, 20, 195. | 1.9 | 18 |
| 25 | De novo production of resveratrol from glycerol by engineering different metabolic pathways in Yarrowia lipolytica. Metabolic Engineering Communications, 2020, 11, e00146. | 1.9 | 16 |
| 26 | Overexpression of Citrate Synthase Increases Isocitric Acid Biosynthesis in the Yeast Yarrowia lipolytica. Sustainability, 2020, 12, 7364. | 1.6 | 10 |
| 27 | The Role of Hexokinase and Hexose Transporters in Preferential Use of Glucose over Fructose and Downstream Metabolic Pathways in the Yeast Yarrowia lipolytica. International Journal of Molecular Sciences, 2021, 22, 9282. | 1.8 | 8 |
| 28 | A 37-amino acid loop in the Yarrowia lipolytica hexokinase impacts its activity and affinity and modulates gene expression. Scientific Reports, 2021, 11, 6412. | 1.6 | 7 |
| 29 | Application of a New Engineered Strain of Yarrowia lipolytica for Effective Production of Calcium Ketoglutarate Dietary Supplements. International Journal of Molecular Sciences, 2021, 22, 7577. | 1.8 | 5 |
| 30 | 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. Antioxidants, 2022, 11, 190. | 2.2 | 5 |
| 31 | New Cytoplasmic Virus-Like Elements (VLEs) in the Yeast Debaryomyces hansenii. Toxins, 2021, 13, 615. | 1.5 | 3 |
| 32 | The Influence of Yarrowia lipolytica Glycosylation on the Biochemical Properties and Oligomerization of Heterologous Invertase. Sustainability, 2022, 14, 7926. | 1.6 | 1 |
| 33 | Genes encoding DNA polymerases on linear dsDNA plasmids of Debaryomyces hansenii yeasts share very high homology. New Biotechnology, 2014, 31, S219. | 2.4 | 0 |