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The yeast peroxisome: A dynamic storage depot and subcellular factory for squalene overproduction

DOI: 10.1016/j.ymben.2019.11.001
Metabolic Engineering, 2020, 57, 151-161.

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Version: 2024-04-28

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|-----|--|----|-----------|
| 108 | Microbial cell engineering to improve cellular synthetic capacity. 2020 , 45, 107649 | | 8 |
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| 106 | Metabolic Engineering of Different Microbial Hosts for Lycopene Production. 2020 , | | 9 |
| 105 | Transforming yeast peroxisomes into microfactories for the efficient production of high-value isoprenoids. 2020 , 117, 31789-31799 | | 32 |
| 104 | Genetic and bioprocess engineering to improve squalene production in <i>Yarrowia lipolytica</i> . 2020 , 317, 123991 | | 28 |
| 103 | Production of the Fragrance Geraniol in Peroxisomes of a Product-Tolerant Baker's Yeast. 2020 , 8, 582052 | | 6 |
| 102 | Collaborative subcellular compartmentalization to improve GPP utilization and boost sabinene accumulation in <i>Saccharomyces cerevisiae</i> . 2020 , 164, 107768 | | 4 |
| 101 | New frontiers: harnessing pivotal advances in microbial engineering for the biosynthesis of plant-derived terpenoids. 2020 , 65, 88-93 | | 24 |
| 100 | Harnessing sub-organelle metabolism for biosynthesis of isoprenoids in yeast. 2020 , 5, 179-186 | | 15 |
| 99 | Advanced Strategies for Production of Natural Products in Yeast. 2020 , 23, 100879 | | 53 |
| 98 | Production of Terpenoids by Synthetic Biology Approaches. 2020 , 8, 347 | | 23 |
| 97 | Engineering Cell Wall Integrity Enables Enhanced Squalene Production in Yeast. 2020 , 68, 4922-4929 | | 5 |
| 96 | Transporter Engineering for Microbial Manufacturing. 2020 , 15, e1900494 | | 18 |
| 95 | Recent advances in the biosynthesis of isoprenoids in engineered <i>Saccharomyces cerevisiae</i> . 2021 , 114, 1-35 | | 2 |
| 94 | Synthetic yeast brews neuroactive compounds. 2021 , 17, 8-9 | | 1 |
| 93 | High-Level Production of Sesquiterpene Patchoulol in. 2021 , 10, 158-172 | | 8 |
| 92 | Engineered microorganisms and enzymes for efficiently synthesizing plant natural products. 2021 , 30, 62-73 | | 1 |

| | | |
|----|---|--------|
| 91 | Successful Enzyme Colocalization Strategies in Yeast for Increased Synthesis of Non-native Products. 2021 , 9, 606795 | 6 |
| 90 | Refining Metabolic Mass Transfer for Efficient Biosynthesis of Plant Natural Products in Yeast. 2021 , 9, 633741 | 1 |
| 89 | Production of β -carotene in <i>Saccharomyces cerevisiae</i> through altering yeast lipid metabolism. 2021 , 118, 2043-2052 | 8 |
| 88 | Adaptive evolution of engineered yeast for squalene production improvement and its genome-wide analysis. 2021 , 38, 424-437 | 3 |
| 87 | Peroxisomes: A New Hub for Metabolic Engineering in Yeast. 2021 , 9, 659431 | 2 |
| 86 | Compartmentalized Reconstitution of Post-squalene Pathway for 7-Dehydrocholesterol Overproduction in. 2021 , 12, 663973 | 1 |
| 85 | Innovative Tools and Strategies for Optimizing Yeast Cell Factories. 2021 , 39, 488-504 | 15 |
| 84 | Modular optimization in metabolic engineering. 2021 , 56, 587-602 | 2 |
| 83 | Dual Regulation of Cytoplasm and Peroxisomes for Improved β -Farnesene Production in Recombinant. 2021 , 10, 1563-1573 | 11 |
| 82 | Separation and purification of plant terpenoids from biotransformation. 2021 , 21, 724-738 | 1 |
| 81 | Biosynthesis of cannabinoid precursor olivetolic acid by overcoming rate-limiting steps in genetically engineered <i>Yarrowia lipolytica</i> . | |
| 80 | Design and construction of novel biocatalyst for bioprocessing: Recent advances and future outlook. 2021 , 332, 125071 | 5 |
| 79 | Physiological limitations and opportunities in microbial metabolic engineering. 2022 , 20, 35-48 | 8 |
| 78 | Increased Accumulation of Squalene in Engineered <i>Yarrowia lipolytica</i> through Deletion of and. 2021 , 87, e0048121 | 7 |
| 77 | Efficient Terpene Production by Marine Thraustochytrids: Shedding Light on the Thermodynamic Driving Force. 2021 , 12, e0197621 | |
| 76 | A CRISPR-Cas assisted shotgun mutagenesis method for evolutionary genome engineering. | |
| 75 | Engineering yeast subcellular compartments for increased production of the lipophilic natural products ginsenosides. <i>Metabolic Engineering</i> , 2021 , 67, 104-111 | 9-7 10 |
| 74 | Metabolism and strategies for enhanced supply of acetyl-CoA in <i>Saccharomyces cerevisiae</i> . 2021 , 342, 125978 | 4 |

| | | | |
|----|--|-----|---|
| 73 | Microbial Bioprocess for Extracellular Squalene Production and Formulation of Nanoemulsions. 2021 , 9, 14263-14276 | | 2 |
| 72 | Targeting pathway expression to subcellular organelles improves astaxanthin synthesis in <i>Yarrowia lipolytica</i> . <i>Metabolic Engineering</i> , 2021 , 68, 152-161 | 9-7 | 7 |
| 71 | Metabolic compartmentalization in yeast mitochondria: Burden and solution for squalene overproduction. <i>Metabolic Engineering</i> , 2021 , 68, 232-245 | 9-7 | 9 |
| 70 | Optimizing mevalonate pathway for squalene production in <i>Yarrowia lipolytica</i> . | | 0 |
| 69 | Recycling deteriorated silage to remove hazardous mycotoxins and produce a value-added product. 2021 , 424, 127627 | | 0 |
| 68 | Repurposing the yeast peroxisome to compartmentalize a toxic enzyme enables improved (S)-reticuline production. | | |
| 67 | Metabolic engineering strategies for de novo biosynthesis of sterols and steroids in yeast. 2021 , 8, | | 1 |
| 66 | Developing fungal heterologous expression platforms to explore and improve the production of natural products from fungal biodiversity. 2021 , 54, 107866 | | 6 |
| 65 | Within and beyond organelle engineering: strategies for increased terpene production in yeasts and plants. 2021 , 33, 100572 | | 1 |
| 64 | Harnessing Peroxisomes as a Subcellular Factory for β -Humulene Overproduction. 2021 , 69, 13831-13837 | | 5 |
| 63 | Microscopy imaging of living cells in metabolic engineering. 2021 , | | 0 |
| 62 | High-Level Squalene Production from Methane Using a Metabolically Engineered <i>Methylomonas</i> sp. DH-1 Strain. | | 2 |
| 61 | Toward improved terpenoids biosynthesis: strategies to enhance the capabilities of cell factories. 2022 , 9, | | 0 |
| 60 | Enhancing Squalene Production in <i>Saccharomyces cerevisiae</i> by Metabolic Engineering and Random Mutagenesis. 2022 , 3, | | 0 |
| 59 | Progress and perspectives for microbial production of farnesene.. 2022 , 347, 126682 | | 0 |
| 58 | A review on contemporary approaches in enhancing the innate lipid content of yeast cell.. 2022 , 133616 | | 2 |
| 57 | Strategies for production of hydrophobic compounds.. 2022 , 75, 102681 | | 0 |
| 56 | De novo design of a transcription factor for a progesterone biosensor.. 2021 , 203, 113897 | | 1 |

| | | |
|----|---|---|
| 55 | Recent advances in construction and regulation of yeast cell factories.. 2022 , 38, 57 | 2 |
| 54 | Metabolic Engineering of for de Novo Dihydroneoligin Production Using Novel CYP450 from Neem ().. 2022 , | 1 |
| 53 | Organelle Engineering in Yeast: Enhanced Production of Protopanaxadiol through Manipulation of Peroxisome Proliferation in .. 2022 , 10, | 2 |
| 52 | Genetic regulation and fermentation strategy for squalene production in Schizochytrium sp.. 2022 , 106, 2415-2431 | 2 |
| 51 | Engineering of for the production of plant triterpenoids: Asiatic, madecassic, and arjunolic acids.. 2022 , 14, e00197 | 1 |
| 50 | More than a Catharanthus plant: A multicellular and pluri-organelle alkaloid-producing factory.. 2022 , 67, 102200 | 1 |
| 49 | Engineering for life in toxicity: key to industrializing microbial synthesis of high energy density fuels. 2022 , 2, 100013 | |
| 48 | Engineering for Hyperproduction of β Amyrin by Mitigating the Inhibition Effect of Squalene on β Amyrin Synthase.. 2021 , | 2 |
| 47 | Construction of Canthaxanthin-Producing Yeast by Combining Spatiotemporal Regulation and Pleiotropic Drug Resistance Engineering.. 2021 , | 1 |
| 46 | Recent progress in strategies for steroid production in yeasts.. 2022 , 38, 93 | 0 |
| 45 | Recent advances in the microbial production of squalene.. 2022 , 38, 91 | 2 |
| 44 | Image_1.tif. 2020 , | |
| 43 | Table_1.docx. 2020 , | |
| 42 | Presentation_1.pdf. 2020 , | |
| 41 | CRISPR-Cas Assisted Shotgun Mutagenesis Method for Evolutionary Genome Engineering.. 2022 , 11, 1958-1970 | |
| 40 | Enhancing fluxes through the mevalonate pathway in <i>Saccharomyces cerevisiae</i> by engineering the HMGR and β alanine metabolism.. 2022 , | 1 |
| 39 | Enhanced squalene production by modulation of pathways consuming squalene and its precursor. 2022 , | 0 |
| 38 | Engineering the oleaginous yeast <i>Candida tropicalis</i> for β humulene overproduction. 2022 , 15, | 1 |

| | | |
|----|---|---|
| 37 | Compartmentalization and transporter engineering strategies for terpenoid synthesis. 2022 , 21, | 2 |
| 36 | Construction and Optimization of the de novo Biosynthesis Pathway of Mogrol in <i>Saccharomyces Cerevisiae</i> . 2022 , 10, | 1 |
| 35 | Insights into the Structure and Function of the Pex1/Pex6 AAA-ATPase in Peroxisome Homeostasis. 2022 , 11, 2067 | 0 |
| 34 | Dual cytoplasmic-peroxisomal engineering for high-yield production of sesquiterpene β -humulene in <i>Yarrowia lipolytica</i> . | 3 |
| 33 | Transporter Engineering in Microbial Cell Factory Boosts Biomanufacturing Capacity. 2022 , 2022, 1-8 | 0 |
| 32 | Mitochondrial Engineering of <i>Yarrowia lipolytica</i> for Sustainable Production of β -Bisabolene from Waste Cooking Oil. | 1 |
| 31 | Modular Engineering of <i>Saccharomyces cerevisiae</i> for De Novo Biosynthesis of Genistein. 2022 , 10, 1402 | 1 |
| 30 | Engineering caveolin-mediated endocytosis in <i>Saccharomyces cerevisiae</i> . 2022 , 7, 1056-1063 | |
| 29 | Advances in Metabolic Engineering Paving the Way for the Efficient Biosynthesis of Terpenes in Yeasts. | 2 |
| 28 | Heterologous Biosynthesis of Taraxerol by Engineered <i>Saccharomyces cerevisiae</i> . | |
| 27 | Combination of protein engineering and metabolic engineering to enhance (+)-nootkatone production in <i>Saccharomyces cerevisiae</i> . 2022 , 1, 192-202 | |
| 26 | Designing Microbial Cell Factories for the Production of Chemicals. 2022 , 2, 1781-1799 | 1 |
| 25 | A review on design-build-test-learn cycle to potentiate progress in isoprenoid engineering of photosynthetic microalgae. 2022 , 363, 127981 | 0 |
| 24 | A Design-Build-Test-Learn Cycle to Potentiate Progress in Isoprenoid Engineering of Photosynthetic Microalgae. | 0 |
| 23 | Boosting the Cannabidiol Production in Engineered <i>Saccharomyces cerevisiae</i> by Harnessing the Vacuolar Transporter BPT1. 2022 , 70, 12055-12064 | 0 |
| 22 | Machine-learning guided elucidation of contribution of individual steps in the mevalonate pathway and construction of a yeast platform strain for terpenoid production. 2022 , 74, 139-149 | 0 |
| 21 | Biosynthesis of cannabinoid precursor olivetolic acid in genetically engineered <i>Yarrowia lipolytica</i> . 2022 , 5, | 1 |
| 20 | Recent Advances in Multiple Strategies for the Synthesis of Terpenes by Engineered Yeast. 2022 , 8, 615 | 1 |

- 19 Engineering of *Yarrowia lipolytica* for terpenoid production. **2022**, 15, e00213
- 18 Metabolism balance regulation for squalene production by disturbing triglyceride (TAG) synthesis in *Schizochytrium* sp.. **2023**, 69, 102946
- 17 Boosting lignan-precursor synthesis in yeast cell factories through co-factor supply optimization. 10,
- 16 Spatial-temporal regulation of fatty alcohol biosynthesis in yeast. **2022**, 15,
- 15 Cofactor Engineering for Efficient Production of Farnesene by Rational Modification of NADPH and ATP Regeneration Pathway in *Pichia pastoris*. **2023**, 24, 1767
- 14 De novo biosynthesis of carminic acid in *Saccharomyces cerevisiae*. **2023**, 76, 50-62
- 13 Metabolic Engineering: Methodologies and Applications.
- 12 Advanced Strategies for the Efficient Production of Squalene by Microbial Fermentation. **2023**, 62, 40-50
- 11 Harnessing Cellular Organelles to Bring New Functionalities into Yeast.
- 10 Engineering membrane architecture for biotechnological applications. **2023**, 64, 108118
- 9 Recent Advances in Yeast Recombinant Biosynthesis of the Triterpenoid Protopanaxadiol and Glycosylated Derivatives Thereof. **2023**, 71, 2197-2210
- 8 Compartmentalization engineering of yeasts to overcome precursor limitations and cytotoxicity in terpenoid production. 11,
- 7 In Silico Prediction and Mining of Exporters for Secretory Bioproduction of Terpenoids in *Saccharomyces cerevisiae*. **2023**, 12, 863-876
- 6 Using oils and fats to replace sugars as feedstocks for biomanufacturing: Challenges and opportunities for the yeast *Yarrowia lipolytica*. **2023**, 65, 108128
- 5 Design of Four Small-Molecule-Inducible Systems in the Yeast Chromosome, Applied to Optimize Terpene Biosynthesis. **2023**, 12, 1119-1132
- 4 Modular Pathway Compartmentalization for Agroclavine Overproduction in *Saccharomyces cerevisiae*. **2023**, 12, 1133-1145
- 3 ATP-Binding Cassette Exporter PDR11-Mediated Terpenoid Secretion in Engineered Yeast. **2023**, 12, 1146-1153
- 2 Regulation of Ethanol Assimilation for Efficient Accumulation of Squalene in *Saccharomyces cerevisiae*.

1 Designing Intracellular Compartments for Efficient Engineered Microbial Cell Factories.

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