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## 1908 毕赤酵母生产二十碳五烯酸细胞工厂的构建与优化

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## 1942 代谢工程改造大肠杆菌生产没食子酸

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## 1959 代谢工程改造大肠杆菌生产乙醇酸

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## 1974 重组大肠杆菌全细胞一步法催化乳糖合成D-塔格糖

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- 2088 含吡咯及吲哚基团的N-N轴手性化合物的酶催化合成  
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**1843 Research progress in degradation of polycyclic aromatic hydrocarbons by mixed microbial consortia**

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**1874 Advances in adaptive laboratory evolution of heterotrophic microorganisms to utilize C1 compounds**

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**1891 Advances in the research methods for DNA-protein interactions**

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**Industrial Biotechnology****1942 Metabolic engineering of *Escherichia coli* for the production of gallic acid**

LUO Yifan, HU Guipeng, WU Jing, SONG Wei, WEI Wanqing, LIU Liming

**1959 Metabolic engineering of *Escherichia coli* for glycolic acid production**

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**1974 One-step whole-cell synthesis of D-tagatose from lactose catalyzed by recombinant *Escherichia coli***

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**1994 Directed evolution of *Actinobacillus succinogenes* for high succinic acid production**

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**2010 Metabolic engineering of *Kluyveromyces marxianus* for L-lactic acid production**

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**2026** Molecular modification and host optimization enhance the expression of  $\gamma$ -glutamyltranspeptidase in *Bacillus licheniformis*

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**2077** Heterologous expression and characterization of truncated hemoglobin in *Escherichia coli*

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