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| Altri autori (Persone) | BaltzRichard H DaviesJulian E DemainA. L <1927-> (Arnold L.) |
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| | SECONDARY METABOLITE SYNTHESIS 24. Glycosylation of Secondary Metabolites To Produce Novel Compounds /25. Metabolic Engineering of Escherichia coli for the Production of a Precursor to Artemisinin, an Antimalarial Drug /; 26. Heterologous Production of Polyketides in Streptomyces coelicolor and Escerichia coli /; 27. Genetic Engineering of Acidic Lipopeptide Antibiotics /; 28. Genetic Engineering To Regulate Production of Secondary Metabolites in Streptomyces clavuligerus /; 29. Genetic Engineering of Myxobacterial Natural Product Biosynthetic Genes /; Section V |
| | TRIAL ENZYMES, BIOCATALYSIS, AND ENZYME EVOLUTION /30. Tools for Enzyme Discovery /; 31. Enzyme Engineering: Combining Computational Approaches with Directed Evolution /; 32. Enzyme Engineering by Directed Evolution; 33. Industrial Applications of Enzymes as Catalysts /; 34. Biomass-Conerting Enzymes and Their Bioenergy Applications /; 35. The Use of Enzymes for Nonaqueous Organic Transformations /; 36. Enzyme Promiscuity and Evolution of New Protein Functions; 37. Enzyme Production in Escherichia coli; 38. Bioprocess Development /; Section VI |
| Sommario/riassunto | MICROBIAL FUELS (BIOFUELS) AND FINE CHEMICALS / The third edition reviews the newest techniques, approaches, and options in the use of microorganisms and other cell culture systems for the manufacture of pharmaceuticals, industrial enzymes and proteins, foods and beverages, fuels and fine chemicals, and other products. Readers will find a rich array of methods and discussions of productive microbial processes, with means for improving the organism, the process, and the product. |