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lignocellulose biorefinery chains; References; Chapter 2: Theoretical basis of lignocellulose biorefining; 2.1. Lignocellulose recalcitrance; 2.1.1. Introduction to lignocellulose recalcitrance; 2.1.2. Structural analysis of lignocellulose recalcitrance; 2.2. Lignocellulose porous medium  
2.2.1. Porous structure at the tissue level  
2.2.2. Porous structure at the cell level; 2.2.3. Porous structure at the cell wall level; 2.3. Mass transfer resistance of lignocellulose: seepage recalcitrance; 2.3.1. Lignocellulose transfer structure; 2.3.2. Lignocellulose seepage recalcitrance; 2.3.3. Impact of lignocellulose interfacial properties on seepage recalcitrance; 2.4. Lignocellulose functional components; 2.5. Changes in composition and structure during the lignocellulose biorefining process; 2.6. Analysis methods in lignocellulose biorefining  
2.6.1. Analysis methods for lignocellulosic materials  
2.6.2. Analysis methods for the biorefinery process; 2.6.3. Analysis methods for products; References; Chapter 3: Lignocellulose biorefinery feedstock engineering; 3.1. Overview; 3.2. Technologies of components fractionation; 3.2.1. Molecular level selective fractionation technology; 3.2.2. Cell-level selective fractionation technology; 3.2.3. Tissue-level selective fractionation technology; 3.3. Technologies of selective structure deconstruction; 3.3.1. Introduction to selective structure deconstruction technologies  
3.3.2. The history of the development of selective structure deconstruction technologies

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## Sommario/riassunto

Biomass resources and their refining are key research topics internationally as alternatives to fossil fuel resources and oil refining. This book explores the heterogeneous nature of lignocellulosic biomass, which restricts its use as a raw material, and describes the theoretical basis of the lignocellulose refinery. It puts forward the theory of the integrated biomass refinery system, which produces multiple products, including biofuels, biomaterials, biochemicals, food and feed based on careful fractionation of the raw material. Chapter 1 introduces the significance and development of ligno

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