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Recent Technologies in Capture of CO₂

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About the eBook

This eBook provides a comprehensive summary on the latest technologies available to minimize the emission of CO₂ from large point sources like fossil-fuel power plants or industrial facilities. The book also covers various techniques that could be developed to reduce the amount of CO₂ released into the atmosphere.

Contents

- ▶ Oxy-Fuel Combustion in Fluidized Beds
- ▶ Gas Separation Membranes Used in Post-Combustion Capture
- ▶ Minimizing Energy Consumption in CO₂ Capture Processes Through Process Integration
- ▶ Characterization and Application of Structured Packing for CO₂ Capture
- ▶ Calcium Looping Technology for CO₂ Capture
- ▶ Liquid-Gas Contactors Material Properties for CO₂ Capture in Absorption Column
- ▶ Rate-Based Models and Design of Packed Columns for Absorption of Carbon Dioxide
- ▶ Analysis of CO₂ by Determination of Carbon and Oxygen Using Ion Beam Analysis (IBA)

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