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Sommario/riassunto

This book provides an excellent overview of current technologies for the gasification of coal, oil, gas, biomass and waste feedstocks. Starting from the basic theory, it reviews the potential feedstocks and their suitability for different types of gasification process. Commercial and near-commercial processes are described individually and various features discussed in detail. There is a comprehensive review of contaminants in synthesis gas as well as of gas treating processes. One chapter is devoted to discussions of various chemical, fuel and power applications for gasification. E