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Nota di contenuto	Frontmatter -- Contents -- 1. Introduction / Guo, Ying / Xu, Jie / Yuan, Zhenhong -- 2. Biomass energy resources and energy plants / Tian, Yishui / Li, Changzhu / Wang, Wen / Shang, Changhua / Zhang, Liangbo / Wang, Zhongming / Li, Peiwan -- 3. Biomass direct combustion technology / Zhou, Jinsong / Zhuang, Xinshu / Chen, Hanping / Yu, Chunjiang / Xu, Jie / Tan, Xuesong -- 4. Anaerobic processes and biogas technology / Li, Lianhua / Cai, Changda / Sun, Yongming -- 5. Biomass briquette fuel technology / Lei, Tingzhou / Jiang, Yang / He, Xiaofeng / Wang, Zhiwei / Li, Weizhen / Liu, Shuna -- 6. Biomass gasification technology / Zhang, Xiaodong / Xu, Min / Liu, Huacai / Zhou, Zhaoqiu / Yin, Xiuli / Guo, Ying / Chen, Lei / Fan, Xiaoxu / Sun, Rongfeng -- References -- Index -- Also of interest
Sommario/riassunto	Bioenergy: Principles and Technologies introduces biomass energy resources and then elaborates on bioenergy technologies including biomass combustion, biogas production, biomass briquettes and biomass gasification. With a combination of theories, experiments and case studies, the book is an essential reference for bioenergy researchers, industrial chemists and chemical engineers.