

1. Record Nr.	UNINA9910483409903321
Titolo	Energy Technology 2016 [[electronic resource]] : Carbon Dioxide Management and Other Technologies // edited by Li Li, Donna Post Guillen, Neale R. Neelameggham, Lei Zhang, Jingxi Zhu, Xuan Liu, Soumendra N. Basu, Nawshad Haque, Tao Wang, Dirk E. Verhulst, Amit Pandey
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-48182-7
Descrizione fisica	1 online resource (XIX, 192 p.)
Disciplina	620.11
Soggetti	Materials science Energy systems Engineering - Materials Materials Science Characterization and Evaluation of Materials Energy Systems Materials Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Topics on CO2 sequestration and reduction in greenhouse gas emissions from process engineering and materials for clean energy are covered. Papers addressing sustainable technologies in extractive metallurgy, materials processing and manufacturing industries with reduced energy consumption and CO2 emission are also included, as well as industrial energy efficient technologies including innovative ore beneficiation, smelting technologies, recycling and waste heat recovery. The book also carries contributions from all areas of non-nuclear and non-traditional energy sources, including renewable energy sources such as solar, wind, biomass, etc. The book also emphasizes novel mineral beneficiation, processing, and extraction techniques leading to waste minimization of critical rare-earth materials used in energy

systems (e.g., magnets, display and lighting devices).
