

1. Record Nr.	UNINA9910367744603321
Autore	Rossetti Ilenia
Titolo	Catalytic, Photocatalytic and Electrocatalytic Processes for the Valorisation of CO2
Pubbl/distr/stampa	MDPI - Multidisciplinary Digital Publishing Institute, 2019
ISBN	3-03921-779-8
Descrizione fisica	1 online resource (132 p.)
Soggetti	Chemistry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Increasing attention is being paid to the development of effective technologies for the sequestration of CO2 and its storage. Hopefully, this will result in processes that can lead to its valorisation as a chemical, e.g., for the regeneration of fuels, but also for the production of intermediates. These are usually energy demands and rather slow processes, requiring energy input and catalysts. Some examples are the innovative strategies for the hydrogenation, photoconversion, or electroreduction of carbon dioxide. This book collects original research papers, reviews, and commentaries focused on the challenges related to the valorisation and conversion of CO2.