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Titolo	Conversion of Carbon Dioxide into Hydrocarbons Vol. 2 Technology / / edited by Inamuddin, Abdullah M. Asiri, Eric Lichtfouse
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Descrizione fisica	1 online resource (XI, 202 p. 45 illus., 28 illus. in color.)
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Formato	Materiale a stampa
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Preface -- 1. Use of carbon dioxide in polymer synthesis (Annalisa Abdel Azim, Alessandro Cordara, Beatrice Battaglini, Angela Re) -- 2. Biological conversion of carbon dioxide into volatile organic compounds (Ihana Aguiar Severo, Pricila Nass Pinheiro, Karem Rodrigues Vieira, Leila Queiroz Zepka, Eduardo Jacob-Lopes) -- 3. Application of metal organic frameworks in carbon dioxide conversion to methanol (Tamer Zaki) -- 4. Conversion of Carbon Dioxide into Formic Acid (Umesh Fegade and Ganesh Jethave) -- 5. Selective hydrogenation of carbon dioxide into methanol (Pham Minh, Roger, Parkhomenko, L'Hospital, Rego de Vasconcelos, Ro, Mahajan, Chen, Singh, N. Vo) -- 6. Conversion of carbon dioxide into formaldehyde (Trinh Duy Nguyen, Thuan Van Tran, Sharanjit Singh, Pham T. T. Phuong, Long Giang Bach, Sonil Nanda, Dai-Viet N. Vo) -- 7. A Short Review on Production of Syngas via Glycerol Dry Reforming (Sumaiya Zainal Abidin, Asmida Ideris, Nurul Ainirazali, Mazni Ismail).
Sommario/riassunto	This book presents chemical and biological methods to convert carbon

dioxide into various products such as methanol, ethanol, formic acid, formaldehyde, volatile organic compounds, syngas and polymers.
