



## Advances in CO<sub>2</sub> Conversion and Utilization

By Yun Hang Hu

Oxford University Press Inc. Hardback. Book Condition: new. BRAND NEW PRINT ON DEMAND., Advances in CO<sub>2</sub> Conversion and Utilization, Yun Hang Hu, Carbon dioxide is a major greenhouse gas. There are several technological options for sequestration of CO<sub>2</sub> into one of the other global pools, including oceanic injection, geological injection, and scrubbing and mineral carbonation. The cost and leakage are principal issues of the geological sequestration which need to be resolved. For those reasons, the utilization of CO<sub>2</sub> is being considered as an attractive solution to solve CO<sub>2</sub> issues. To promote research and development in CO<sub>2</sub> areas, we organized a symposium on CO<sub>2</sub> conversion and utilization as a part of the 238th American Chemical Society (ACS) National Meeting, August 16-20, 2009, Washington, DC. This symposium was sponsored by the ACS Division of Fuel Chemistry. This book was developed on this ACS symposium. This book contains 16 peer-reviewed chapters that cover various aspects of CO<sub>2</sub> conversion and utilization. This ACS book focuses on the following topics: application of solar energy for CO<sub>2</sub> conversion (Chapters 1-3), synthesis of organic compounds from CO<sub>2</sub> (Chapters 4-9), CO<sub>2</sub> reforming of methane into synthesis gas (Chapters 10-12), CO<sub>2</sub> adsorption and absorption (Chapters 13-15), and chemical lungs...



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