

Recent R&D Activities on Clean Coal Technology in DICP

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A global transition to a clean, efficient and diverse energy system is accelerating. DICP puts best efforts to promote the development of energy technology to meet national strategic demands. Instead of coal-firing for power generation, conversion of coal into diverse chemicals which are normally coming from oil could be another approach for clean coal utilization. For decades, DICP has conducted clean coal utilization related research in fundamental and applied sciences. Coal is catalytic converted into olefins, aromatics, alcohols, fuel, etc. through syngas and methanol as intermediates. Many technologies have been industrialized and contributed to China's sustainable development. The research on conversion of CO₂ has also been conducted in DICP, including electrochemical CO₂ reduction reaction and catalytic reduction of CO₂ to produce olefins, fuels. Given its strengths and accomplishments in the energy-related research, DICP is aim to provide cutting-edge theories and technologies for optimal fossil energy utilization and the development of renewable energy.