Center for Closing the Carbon Cycle (4C) Jenny Y. Yang (University of California, Irvine); Class: 2022-2026

MISSION: To advance synergistic capture and conversion of carbon dioxide (CO_2) from dilute streams into useful products through the convergent study of sorbents and catalysts.

RESEARCH PLAN

4C will advance the foundational science and define key integration parameters for synergistic CO_2 capture and conversion, or reactive capture of CO_2 (RCC). By co-designing CO_2 sorbent capture with catalysts, 4C will develop integrated RCC systems that work cooperatively to achieve higher product selectivity and overall efficiencies than current sequential approaches.





























