



Jennifer Wilcox

# Carbon Capture

- First authored book on the fundamental aspects of carbon capture
- First textbook on carbon capture
- Covers a diverse range of issues, such as thermodynamics, kinetics, mass transfer, and material properties

This book approaches the energy science sub-field carbon capture with an interdisciplinary discussion based upon fundamental chemical concepts ranging from thermodynamics, combustion, kinetics, mass transfer, material properties, and the relationship between the chemistry and process of carbon capture technologies. Energy science itself is a broad field that spans many disciplines -- policy, mathematics, physical chemistry, chemical engineering, geology, materials science and mineralogy -- and the author has selected the material, as well as end-of-chapter problems and policy discussions, that provide the necessary tools to interested students.

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