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### Carbon dioxide capture technologies

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**Abstract:** Global warming and climate change become a serious environmental problem due to the increase of CO<sub>2</sub> concentration in the atmosphere. Several approaches, such as reduction of carbon intensity by using alternatives to fossil fuels such as hydrogen and renewable energy, reduction in energy intensity by the efficient use of energy, and developing efficient technologies for CO<sub>2</sub> capture and storage (CCS), can be applied for mitigating the CO<sub>2</sub> emission and CO<sub>2</sub> concentration in the atmosphere. This paper reviews the current technologies for capturing CO<sub>2</sub>.

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