

CO2 capture technology

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Carbon dioxide capture and storage (CCS) is widely recognized as one of promising technologies to mitigate CO2 emissions from fossil fuel usage to global warming. One of critical issues to implement CCS is a cost of CO2 capture which is estimated to be about 60% of CCS total costs. Therefore many research organizations and companies have been working on the improvement of the existing technologies and the development of more efficient capture technologies to reduce the cost. Current capture technologies will be introduced here.

Keywords: CCS, CCUS, Carbon dioxide, Capture

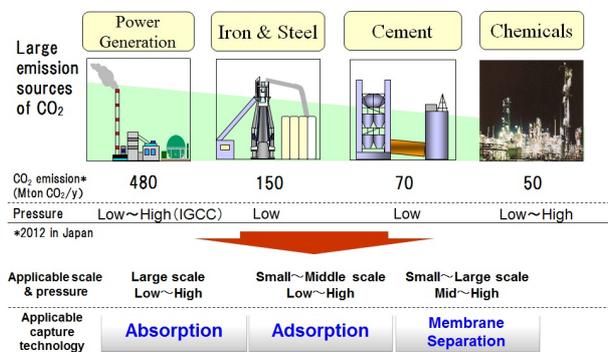


Figure 1, Large emission sources of carbon dioxide and capture technologies