

Simulation of membrane contactor for CCS application

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Among the technologies for carbon dioxide capture, packed column absorption with amine has been the most widely used. Due to the large space requirement and enormous parasitic heat usage of the amine absorption technology, membrane gas-liquid contactor is now well researched around the world. Because of the complexity of the simulation of the membrane contactor, the experiments has not been validated for the simulation. In this poster, some experiments of the lab-scale membrane contactor are validated through K-overall mass transfer resistance model.