

# Institute of Chemical Engineering

Adres artykułu: <https://iich.gliwice.pl/en/article/absorption-of-carbon-dioxide-in-packed-column-sprayed-with-ionic-liquid-part-i-experimental-research>

## Absorption of carbon dioxide in packed column sprayed with ionic liquid. Part I - Experimental research

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**Abstract:** The experimental study of CO<sub>2</sub> absorption in ionic liquids: [Emim][Ac] and [Bmim][Ac] in packed bed column is presented. The influence of initial CO<sub>2</sub> concentration, absorption temperature and water content in ionic liquid on removal efficiency was investigated. The results show that in the same experimental conditions ILs have comparable CO<sub>2</sub> absorption capacities with amine solution. However ILs need much longer times to absorb the same amount of carbon dioxide from gas mixture.

## Attachments:

[Zeszyt-20-2016](#) pdf, 4.77 MB

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# Metryczka

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