

# Institute of Chemical Engineering

Adres artykułu: <https://iich.gliwice.pl/en/article/experimental-investigation-of-carbon-dioxide-absorption-in-ionic-liquid-bmim-ac>

## Experimental investigation of carbon dioxide absorption in ionic liquid [bmim][Ac]

<b>Publication date:</b>	30.12.2013
<b>Publication title:</b>	<a href="#">Experimental investigation of carbon dioxide absorption in ionic liquid [bmim][Ac]</a>
<b>Authors:</b>	<a href="#">Adam Rotkegel</a> , <a href="#">Zenon Ziobrowski</a> , <a href="#">Roman Krupiczka</a>
<b>Journal information:</b>	Prace Naukowe Instytutu Inżynierii Chemicznej Polskiej Akademii Nauk

**Abstract:** The experimental results of equilibrium capacity of carbon dioxide absorption in ionic liquid [bmim][Ac] are presented. Experiments were performed in bubbling apparatus in temperature range 20-60°C. Measured equilibrium carbon dioxide absorption capacities are comparable with those obtained for aqueous MEA solutions used in industry. With rising temperature the higher values of absorption rates and lower equilibrium CO<sub>2</sub> absorption capacities were obtained.

## Attachments:

[Zeszyt-17-2013](#) pdf, 6.23 MB

<b>Created at:</b>	04.08.2025
<b>Published by:</b>	Artur Wojdyła
<b>Published at:</b>	04.08.2025 11:44
<b>Number of downloads:</b>	122

## Metryczka

<b>Published by:</b>	Artur Wojdyła
----------------------	---------------

<b>Published at:</b>	18.09.2025 14:54
<b>Number of views:</b>	83