

# Institute of Chemical Engineering

Adres artykułu: <https://iich.gliwice.pl/en/article/carbon-dioxide-and-nitrogen-separation-on-ceramic-liquid-membranes-impregnated-with-ionic-liquid>

## Carbon dioxide and nitrogen separation on ceramic liquid membranes impregnated with ionic liquid

<b>Publication date:</b>	27.12.2018
<b>Publication title:</b>	<a href="#">Carbon dioxide and nitrogen separation on ceramic liquid membranes impregnated with ionic liquid</a>
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<b>Journal information:</b>	Prace Naukowe Instytutu Inżynierii Chemicznej Polskiej Akademii Nauk
<b>Tags:</b>	<a href="#">absorption</a> , <a href="#">carbon dioxide</a> , <a href="#">ionic liquids</a>

**Abstrakt:** The experimental results of carbon dioxide and nitrogen separation on ceramic membranes impregnated with ionic liquid [Emim][Ac] are presented. Different ceramic materials were investigated at the temperature of 20°C and at the pressures of 1-7 bar. The ionic liquid was introduced into ceramic support by coating and soaking. It was found, that prepared membranes are characterized by small mass fluxes and low selectivity.

## Attachments:

[Zeszyt 22 \(2018\)](#) pdf, 4.49 MB

<b>Published by:</b>	Artur Wojdyła
<b>Published at:</b>	31.07.2025 12:53
<b>Last edited by:</b>	Artur Wojdyła
<b>Last edited at:</b>	31.07.2025 12:55
<b>Number of downloads:</b>	157

Tagi: absorption, carbon dioxide, ionic liquids

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<b>Published by:</b>	Artur Wojdyła
<b>Published at:</b>	05.08.2025 13:46
<b>Number of views:</b>	174