

# Institute of Chemical Engineering

Adres artykułu: <https://iich.gliwice.pl/en/article/gas-mixture-separation-on-ceramic-membranes-impregnated-with-ionic-liquid>

## Gas mixture separation on ceramic membranes impregnated with ionic liquid.

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<b>Publication title:</b>	<a href="https://iich.gliwice.pl/en/article/gas-mixture-separation-on-ceramic-membranes-impregnated-with-ionic-liquid">Gas mixture separation on ceramic membranes impregnated with ionic liquid.</a>
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**Abstract:** The experimental results of carbon dioxide and nitrogen separation on ceramic membranes impregnated with ionic liquid [Emim][Ac] (1-ethyl-3-methylimidazolium acetate) are presented. Ceramic membranes made by Pervatech BV were investigated in 20-60°C and in the pressure range 1-7 bar. The ionic liquid was introduced into ceramic support by coating and soaking. It was found, that prepared SILMs are characterized by small mass fluxes and high selectivities.

## Attachments:

[Zeszyt-23-2019](#) pdf, 2.84 MB

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## Metryczka

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