

Institute of Chemical Engineering

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

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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 CO₂ absorption capacities were obtained.

Attachments:

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

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