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The effect of [bmim][Br] on the solubility of carbon dioxide and methane in glycols at pressures up to 14 MPa and temperatures ranging from (303 to 423) K

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Highlights

- Influence of [bmim][Br] on the solubility of carbon dioxide and methane in glycol were measured for pressures up to 14 MPa and temperatures up to 423 K
- Solubility data are generated by the total pressure method
- Henry's law constants are presented
- [bmim][Br] (0.1 mol.kg⁻¹) leads to a salting-in effect

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