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## Research output

### **An investigation on the thermophysical properties of glycerol**

Ahmadi, P., Chapoy, A. & Burgass, R., Mar 2023, In: Journal of Chemical Thermodynamics. 178, 106975.

### **Water content measurements for liquid propane in equilibrium with water or hydrates: New measurements & evaluation of literature data**

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### **On the phase behaviour of the CO<sub>2</sub> + N<sub>2</sub>O<sub>4</sub> system at low temperatures**

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### **Multiple Hydrate Structure Formation in Natural Gas Systems: Experimental Measurements and Modelling**

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### **Enhancement of CO<sub>2</sub> capture through hydrate formation: the effect of tetrahydrofuran (THF) and tertiary amine solutions**

Thoutam, P., Rezaei Gomari, S., Chapoy, A., Ahmad, F., Islam, M. & Ahmed, I., Feb 2022, In: International Journal of Environmental Science and Technology. 19, 2, p. 691-704 14 p.

### **Phase Behavior in Natural Gas + Glycol Systems, Part 1: Tri(ethylene glycol) (TEG) and Its Aqueous Solutions**

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### **Vapour-liquid equilibrium study for the carbon dioxide and hydrogen sulphide in deionized water and NaCl aqueous solution at temperature from 373.15 to 423.15 K**

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### **Measurements and modeling of high-pressure O<sub>2</sub> and CO<sub>2</sub> solubility in brine (H<sub>2</sub>O + NaCl) between 303 and 373 K and pressures up to 36 MPa**

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**On the water content in CO<sub>2</sub> + CH<sub>4</sub> and CO<sub>2</sub>-rich mixtures: experimental and modelling evaluation at temperatures from 233.15 to 288.15 K and pressures up to 15 MPa**

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**Viscosity of CO<sub>2</sub>-rich mixtures from 243 K to 423 K at pressures up to 155 MPa: new experimental viscosity data and modelling**

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