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A combination of multi-fluid mixture models with COSMO-SAC

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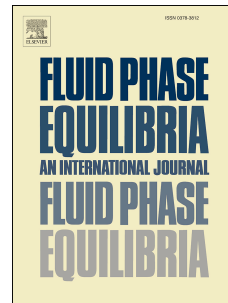
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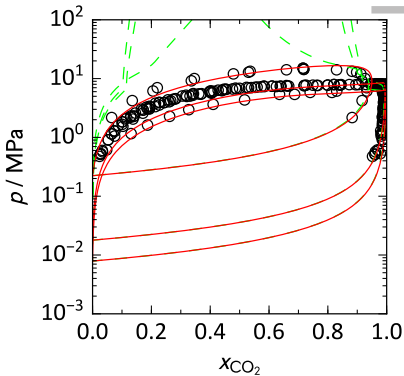
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Vapor-liquid equilibria on three isotherms for a binary mixture of CO₂ + ethanol

○ Experimental data

— Multi-fluid mixture model with linear mixing rules

— New model with excess-based departure function combined with COSMO-SAC

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