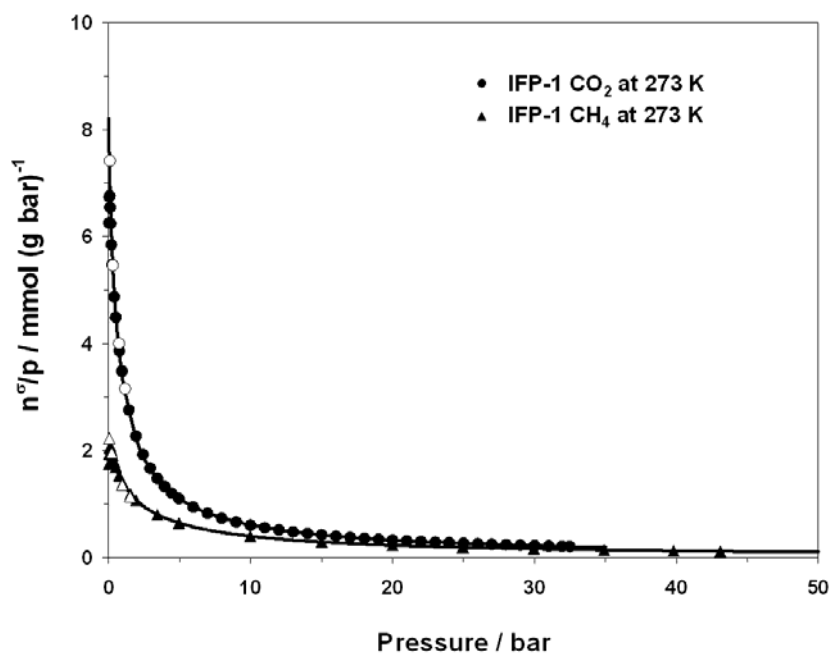
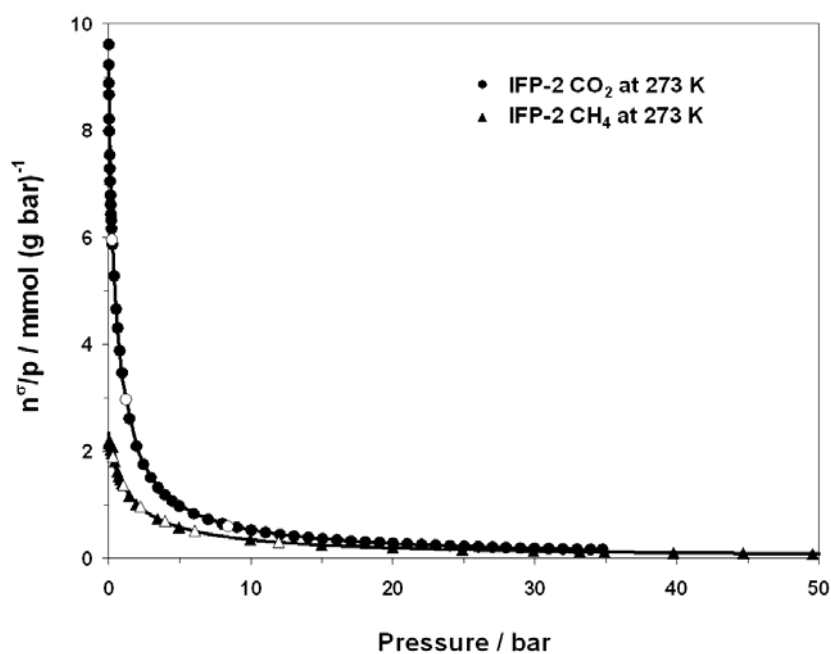


# Supporting Information

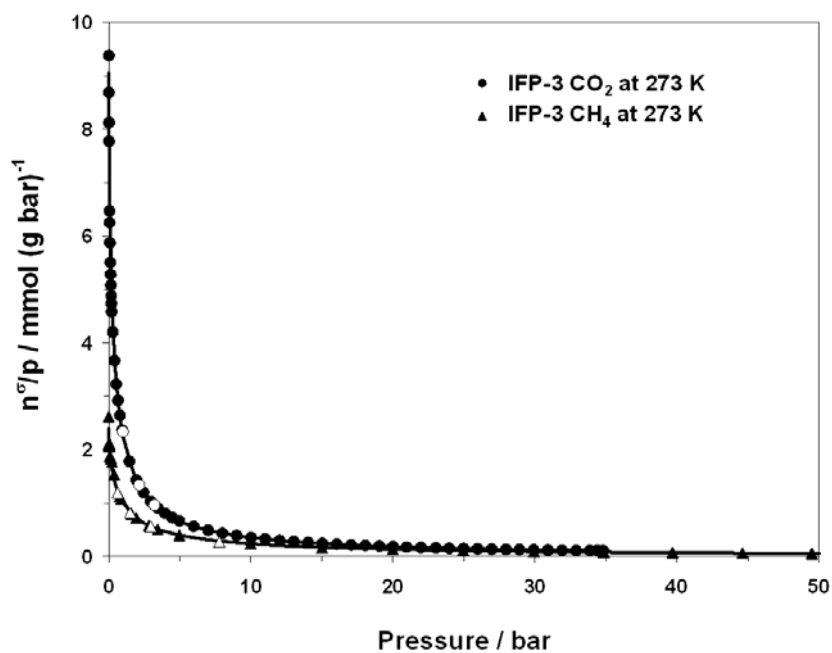
Indicating spreading pressure diagrams



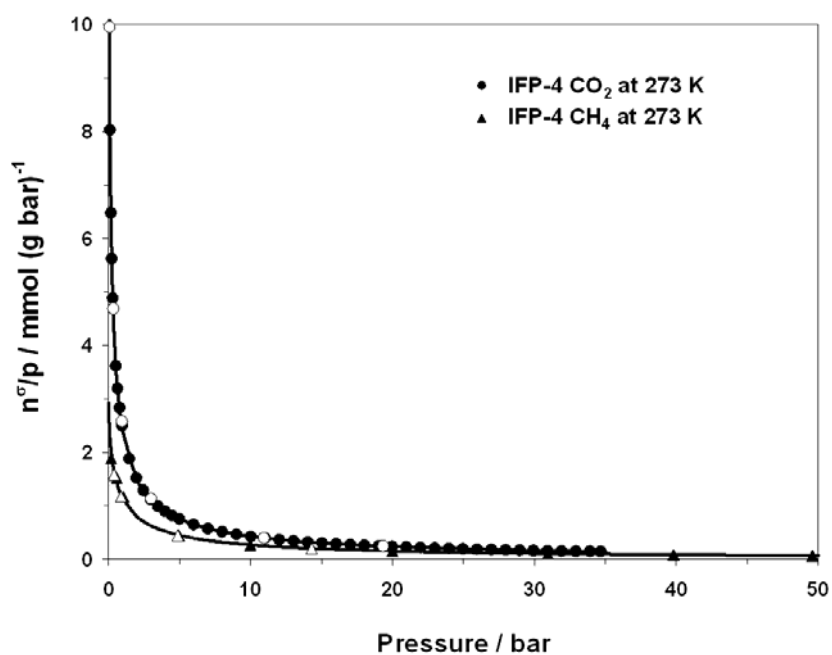
**Fig. 1** Integrant for spreading pressure of pure component adsorption (filled symbols from gravimetry, open symbols from volumetry, lines are Tòth model) for **IFP-1**.



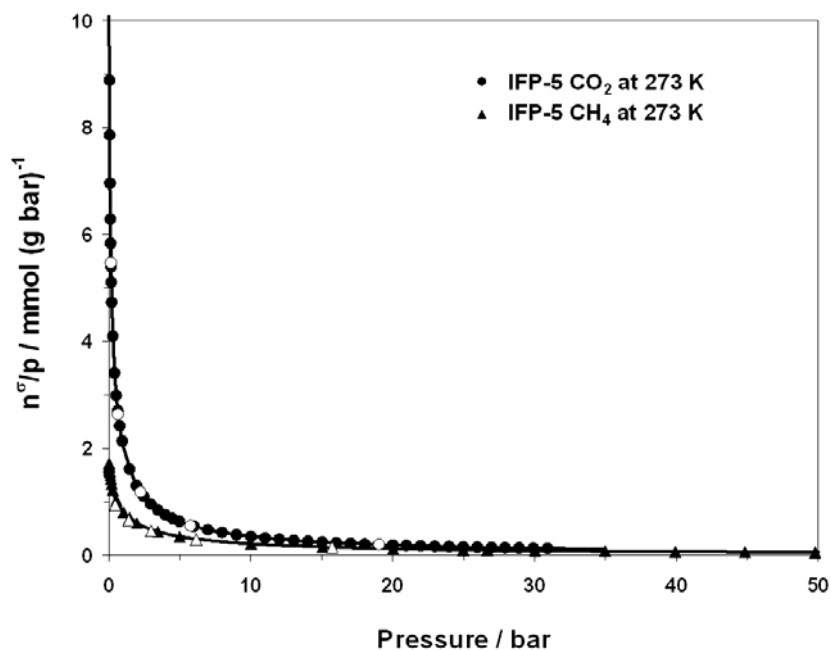
**Fig. 2** Integrant for spreading pressure of pure component adsorption (filled symbols from gravimetry, open symbols from volumetry, lines are Tòth model) for **IFP-2**.



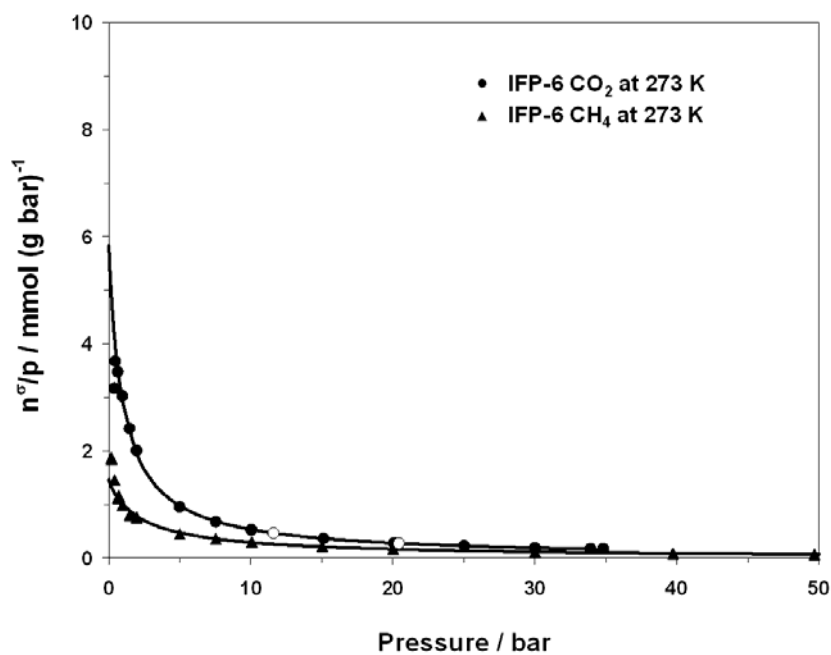
**Fig 3** Integrant for spreading pressure of pure component adsorption (filled symbols from gravimetry, open symbols from volumetry, lines are Tòth model) for **IFP-3**.



**Fig 4** Integrant for spreading pressure of pure component adsorption (filled symbols from gravimetry, open symbols from volumetry, lines are Tòth model) for **IFP-4**.



**Fig 5** Integrant for spreading pressure of pure component adsorption (filled symbols from gravimetry, open symbols from volumetry, lines are Tòth model) for **IFP-5**.



**Fig 6** Integrant for spreading pressure of pure component adsorption (filled symbols from gravimetry, open symbols from volumetry, lines are Tòth model) for **IFP-6**.