



GEOTHERMAL THE NEXT GENERATION

Quartz Solubility in Supercritical Water

Peter Rendel
Bruce Mountain

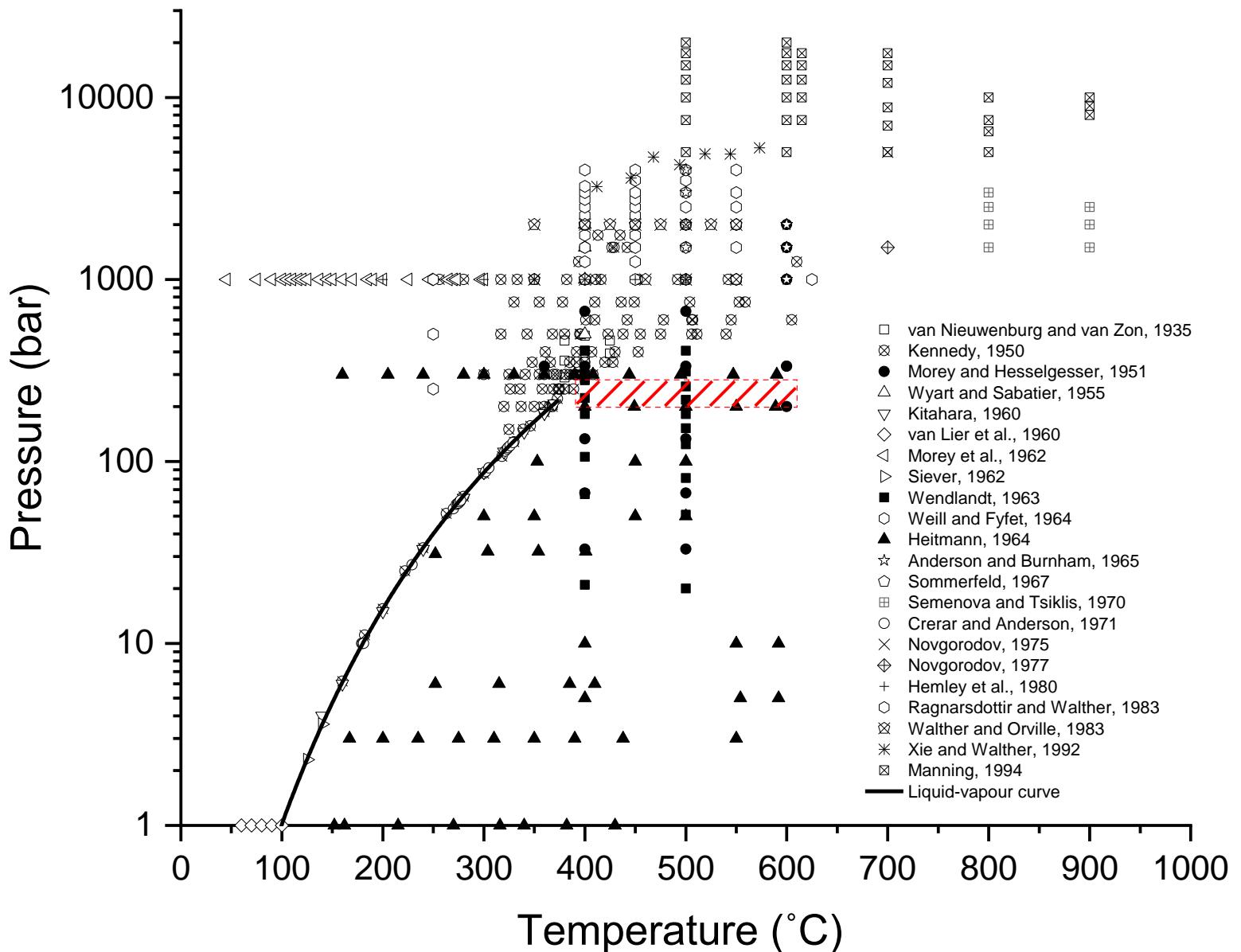
GNS Science
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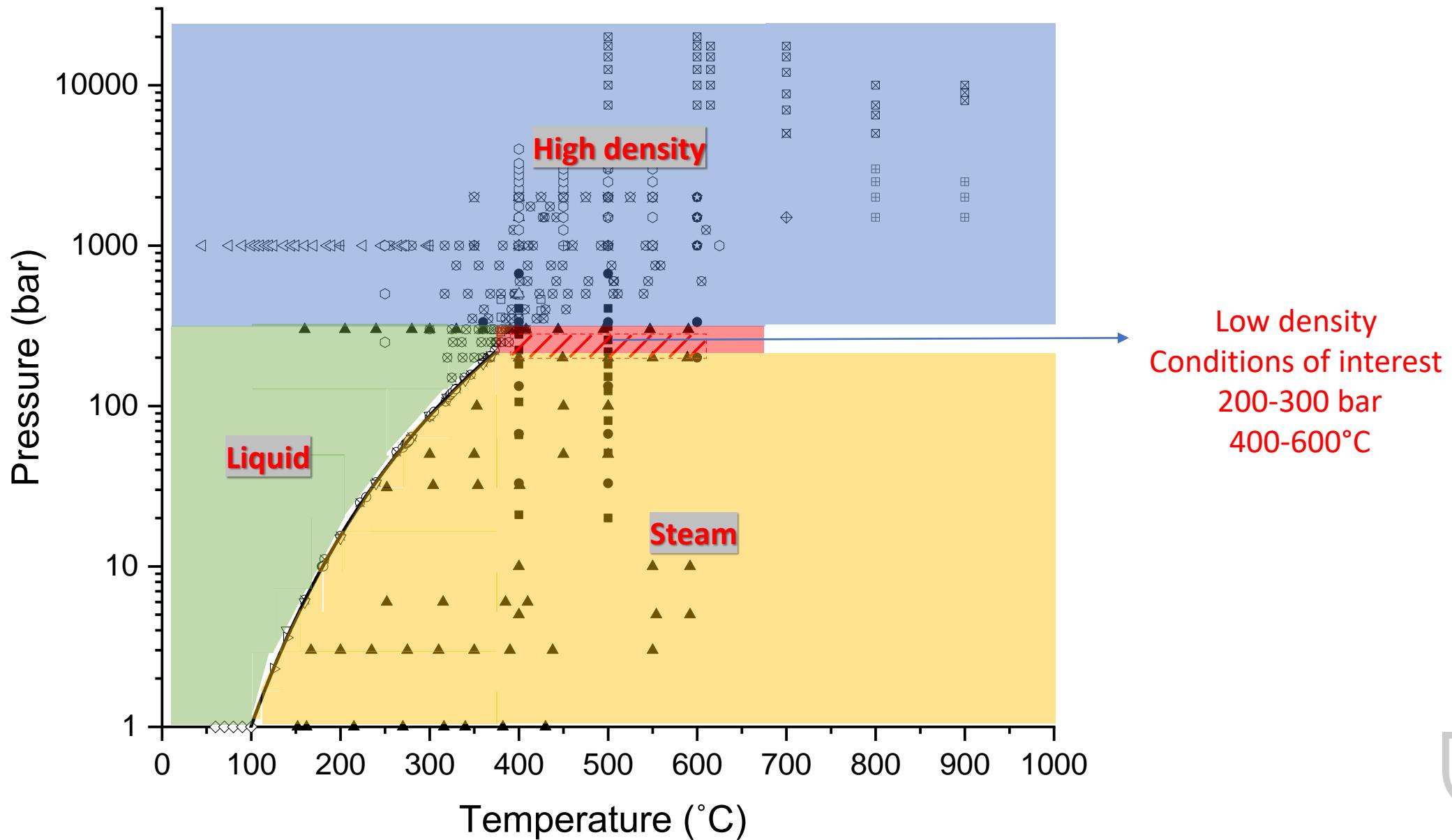
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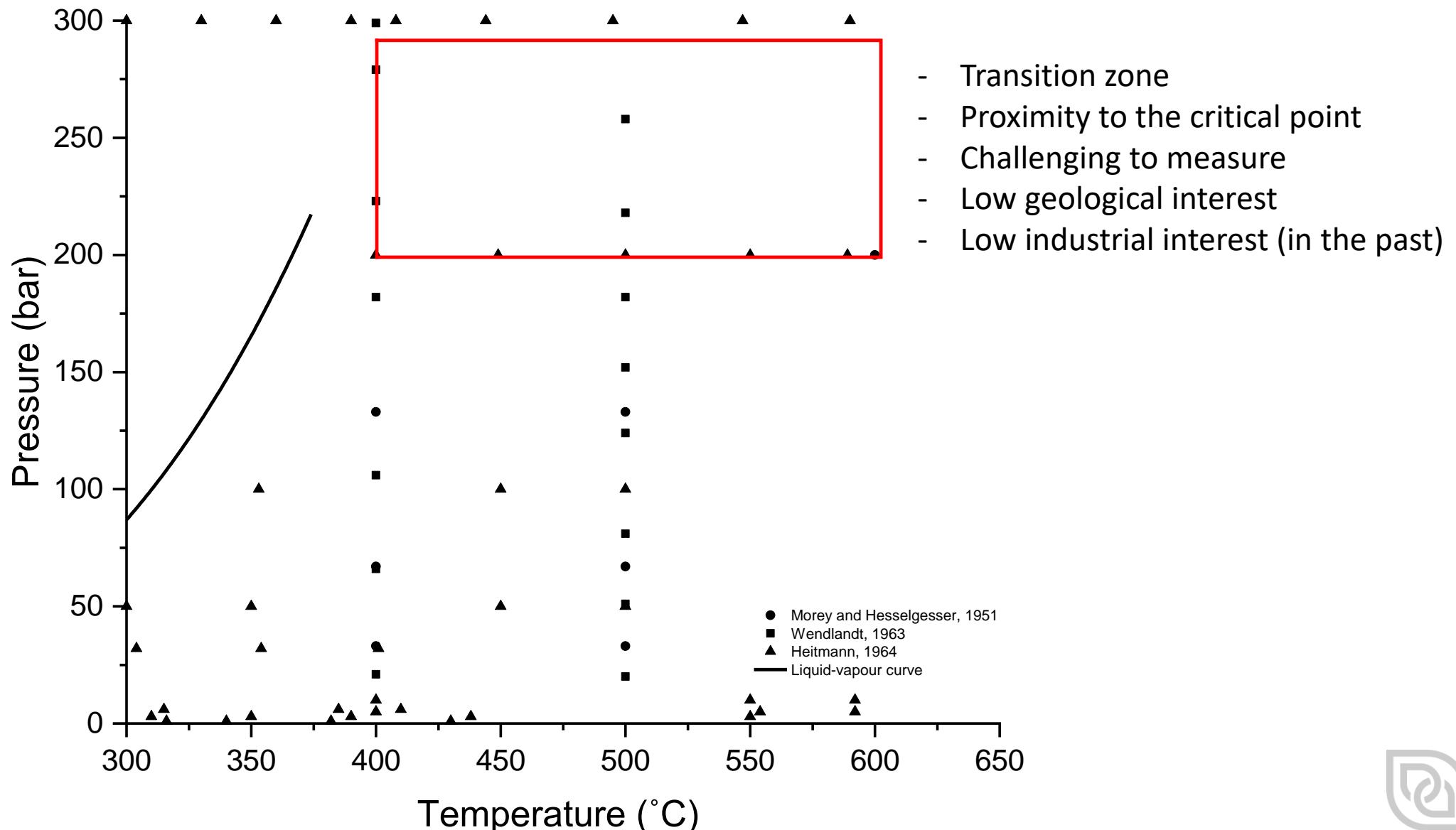
The Solubility of Quartz in Water



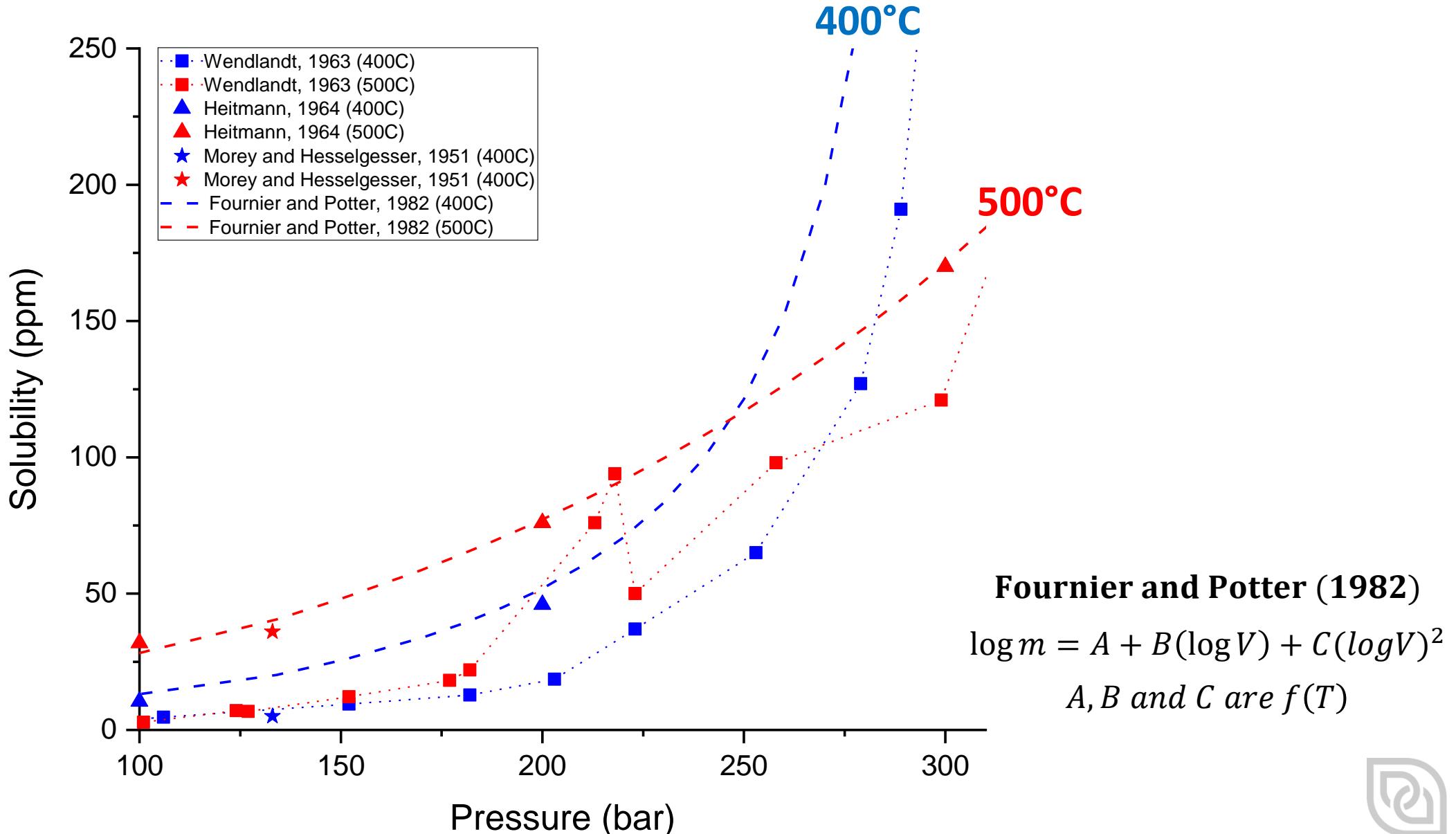
The Solubility of Quartz in water



The Solubility of Quartz in Supercritical Water



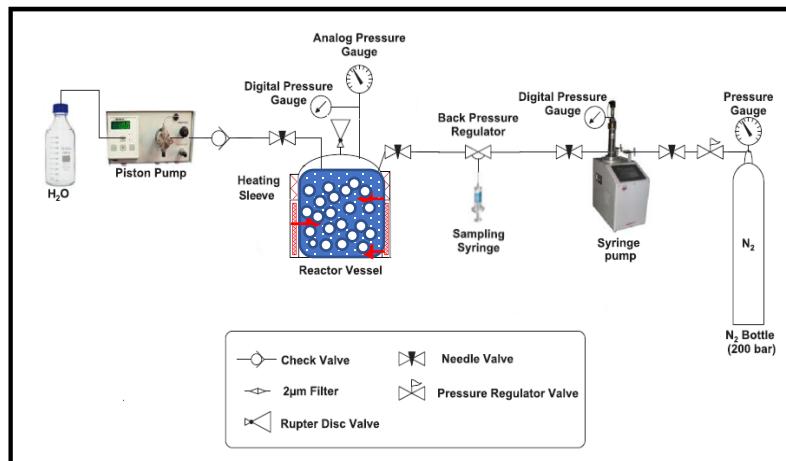
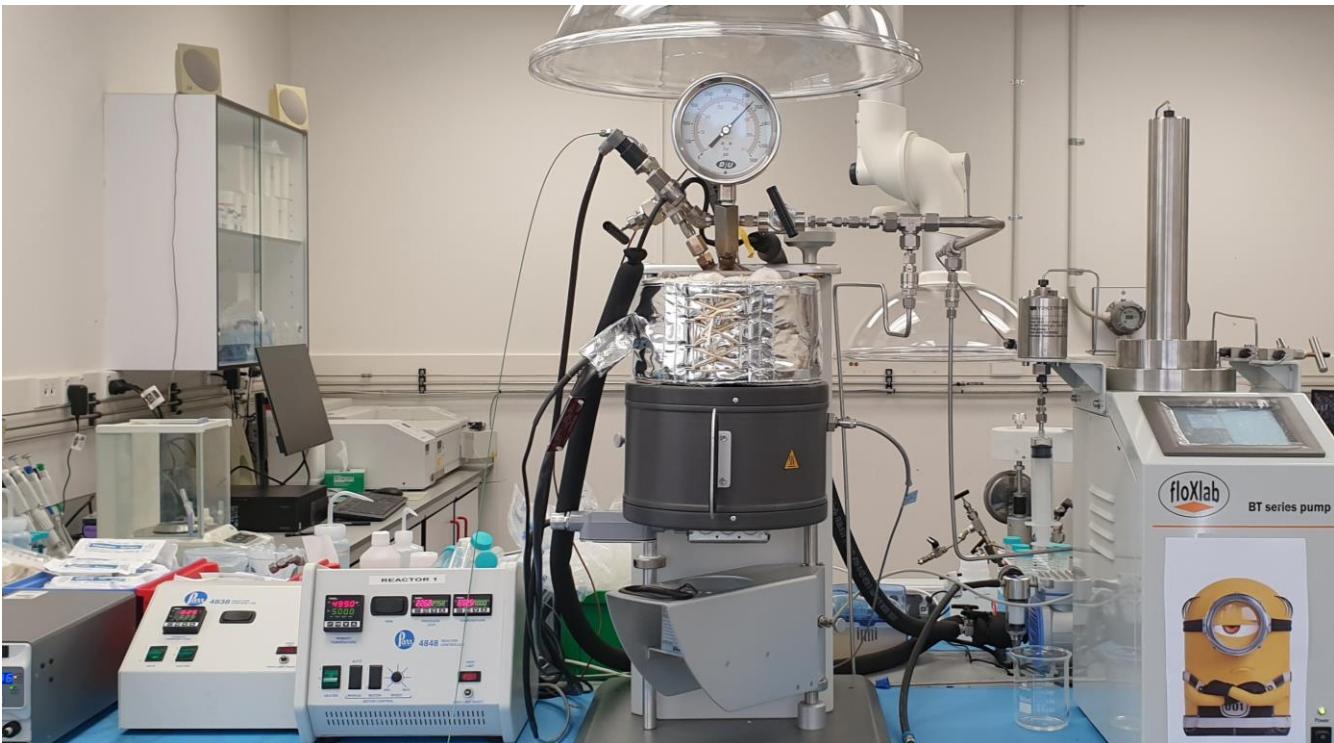
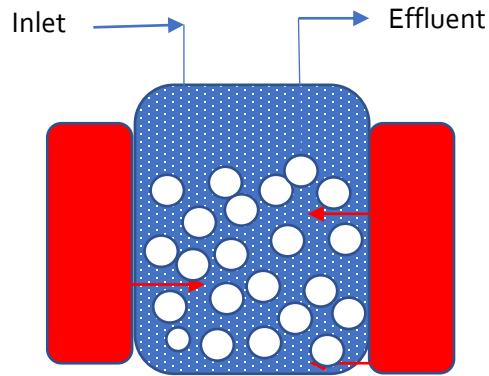
Previous works



Methods

Supercritical Reactor

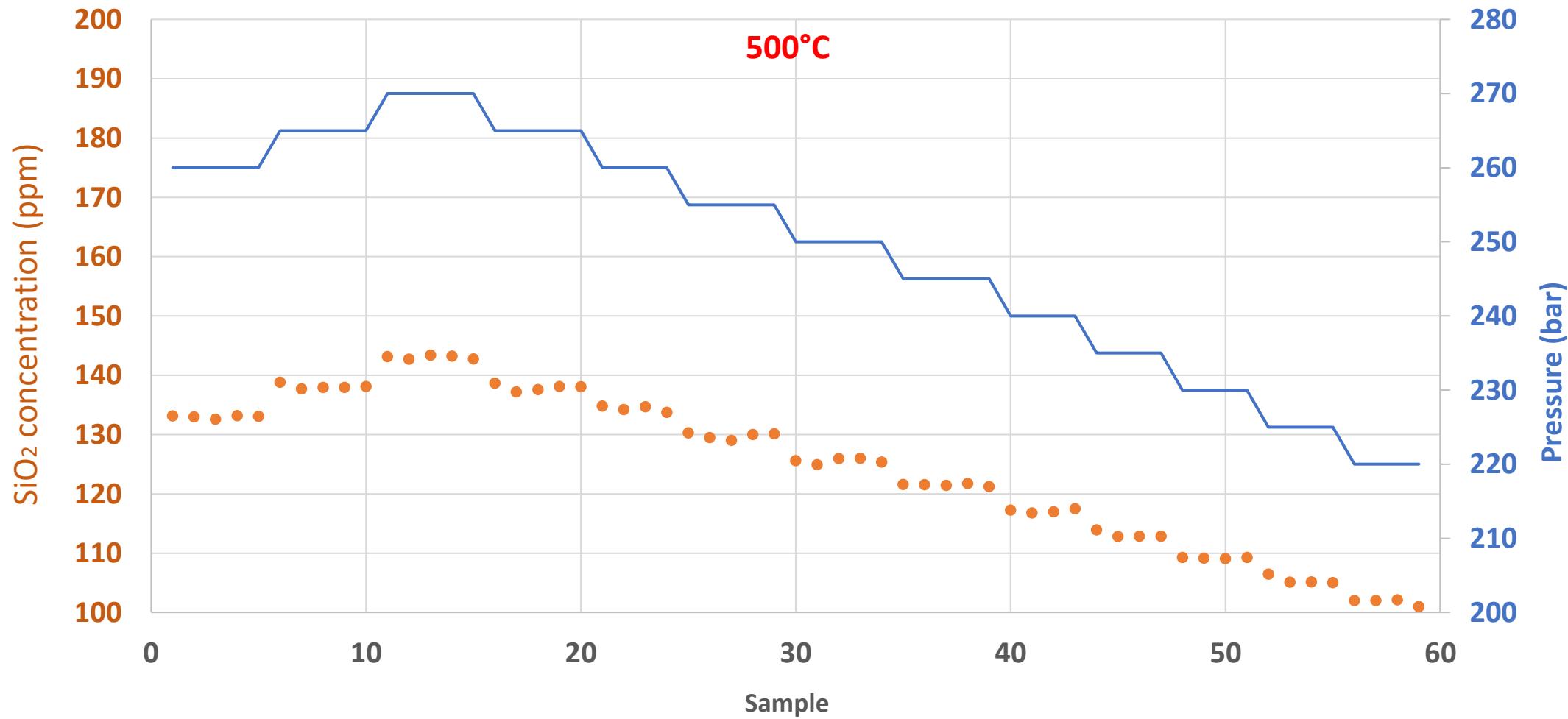
a.k. "The Minion"



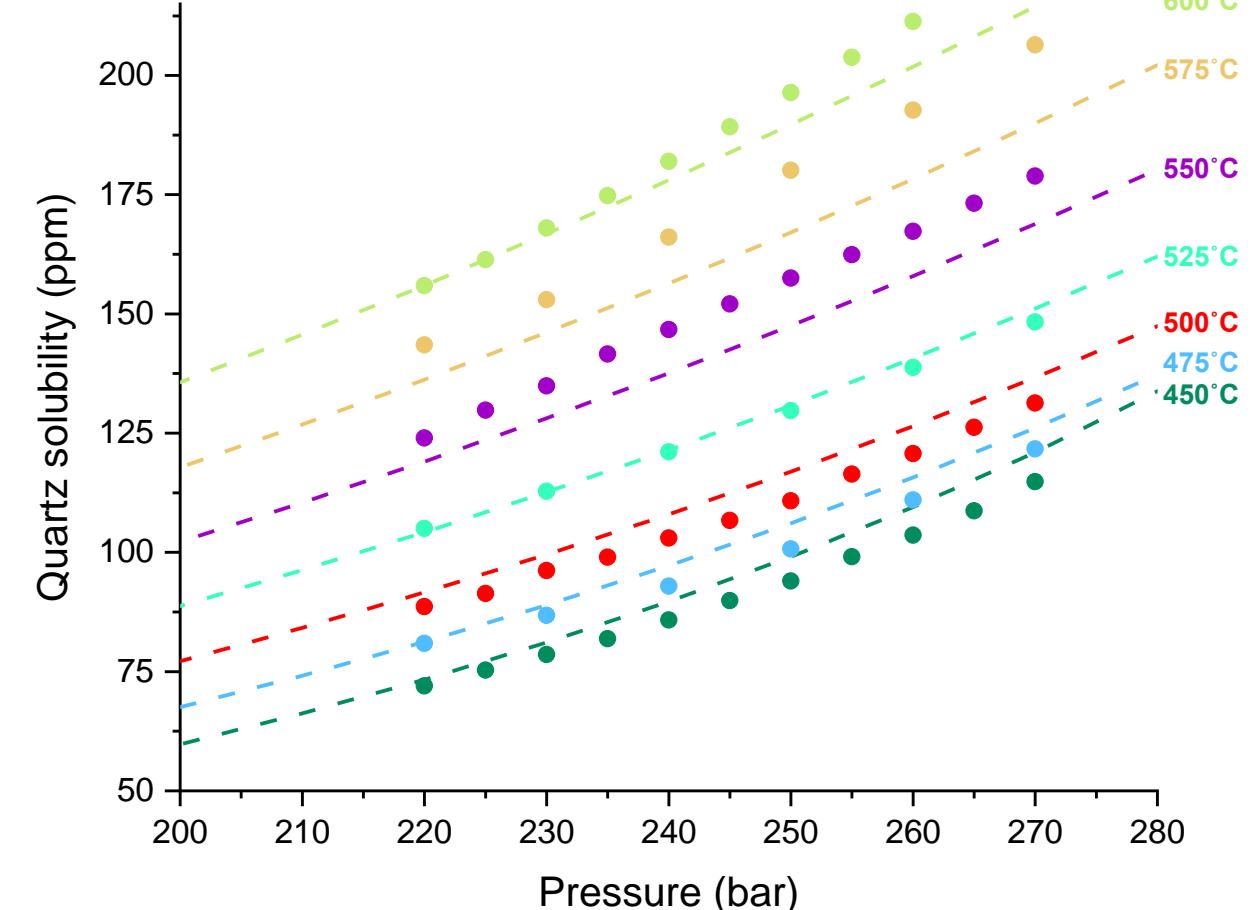
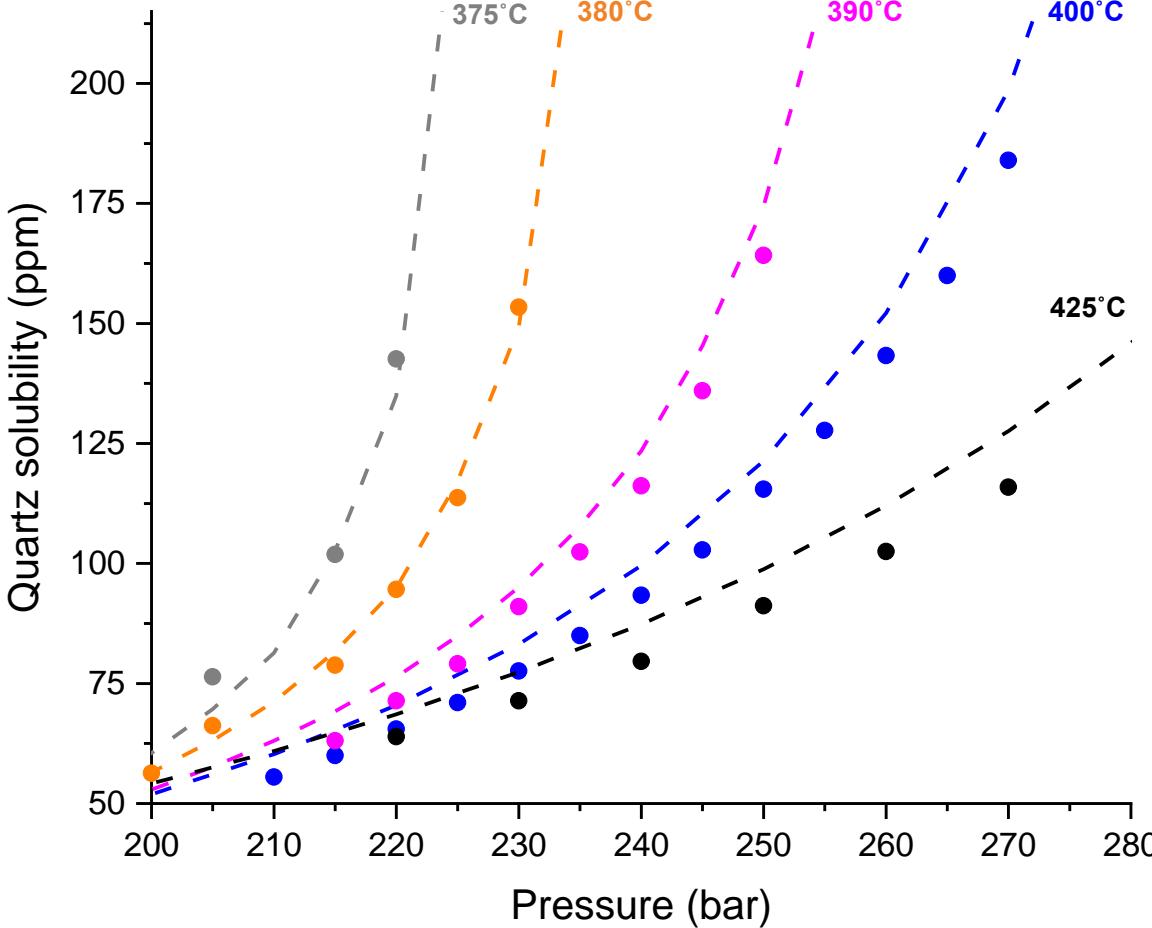
SiO₂ measured using the silicomolybdic acid spectrophotometric method



Experimental Procedure



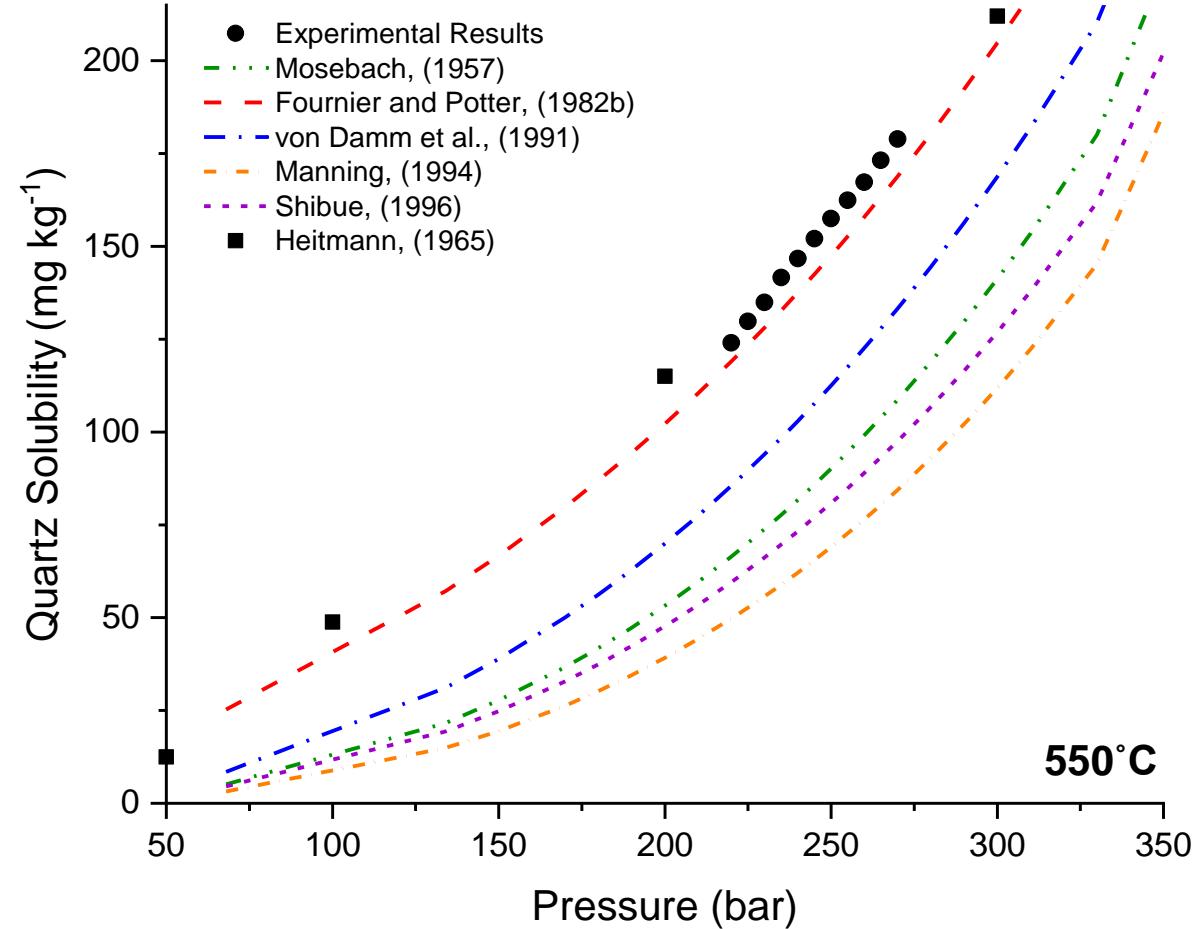
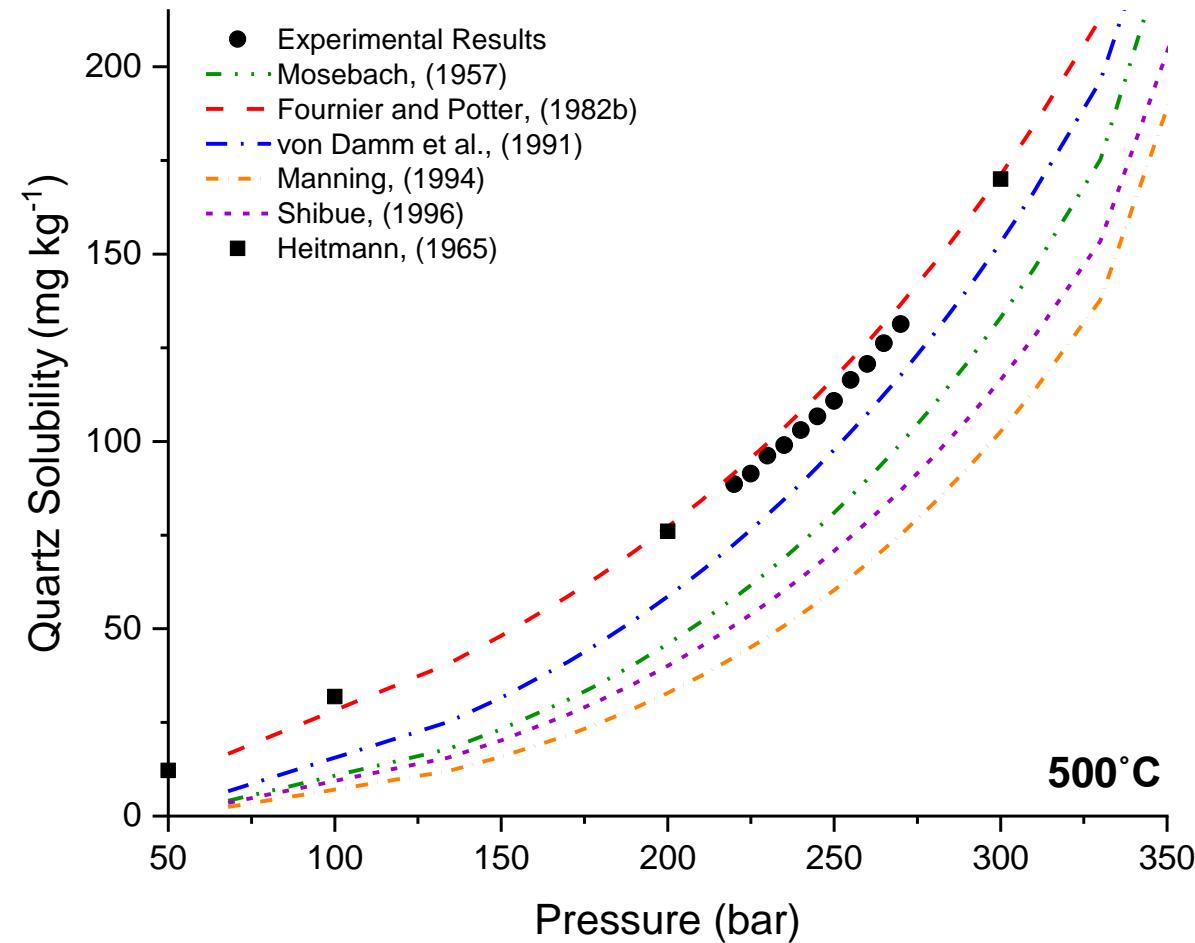
Results



--- Fournier and Potter, 1982



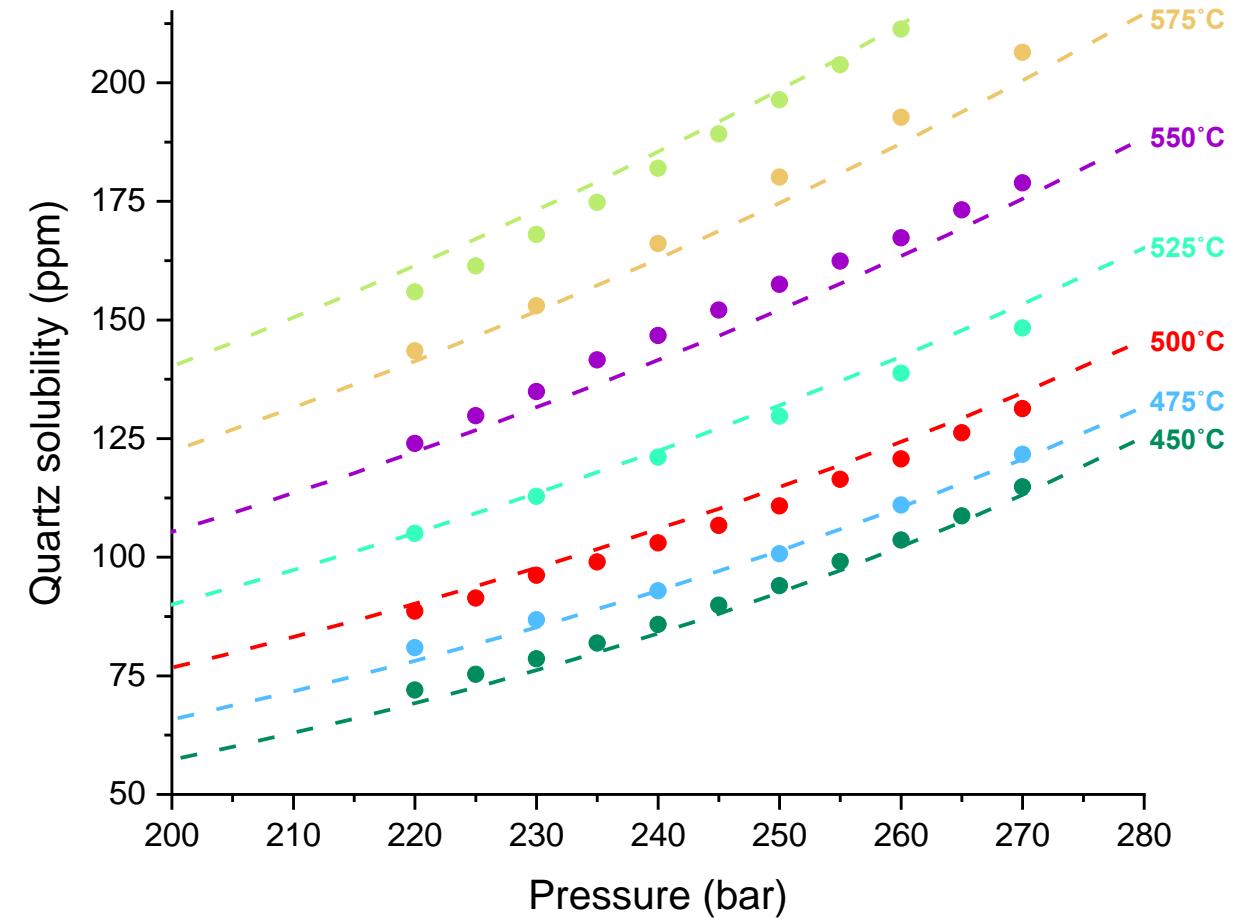
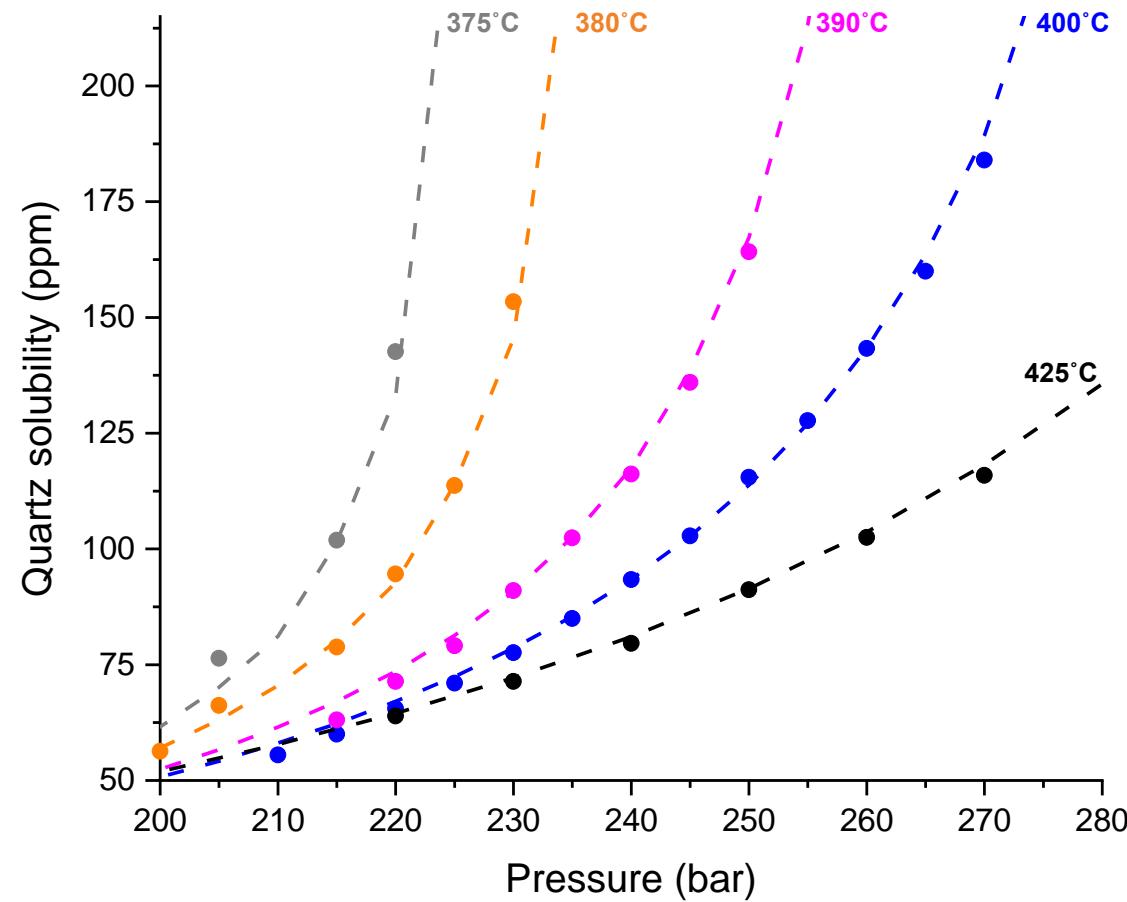
Models



--- Fournier and Potter, 1982



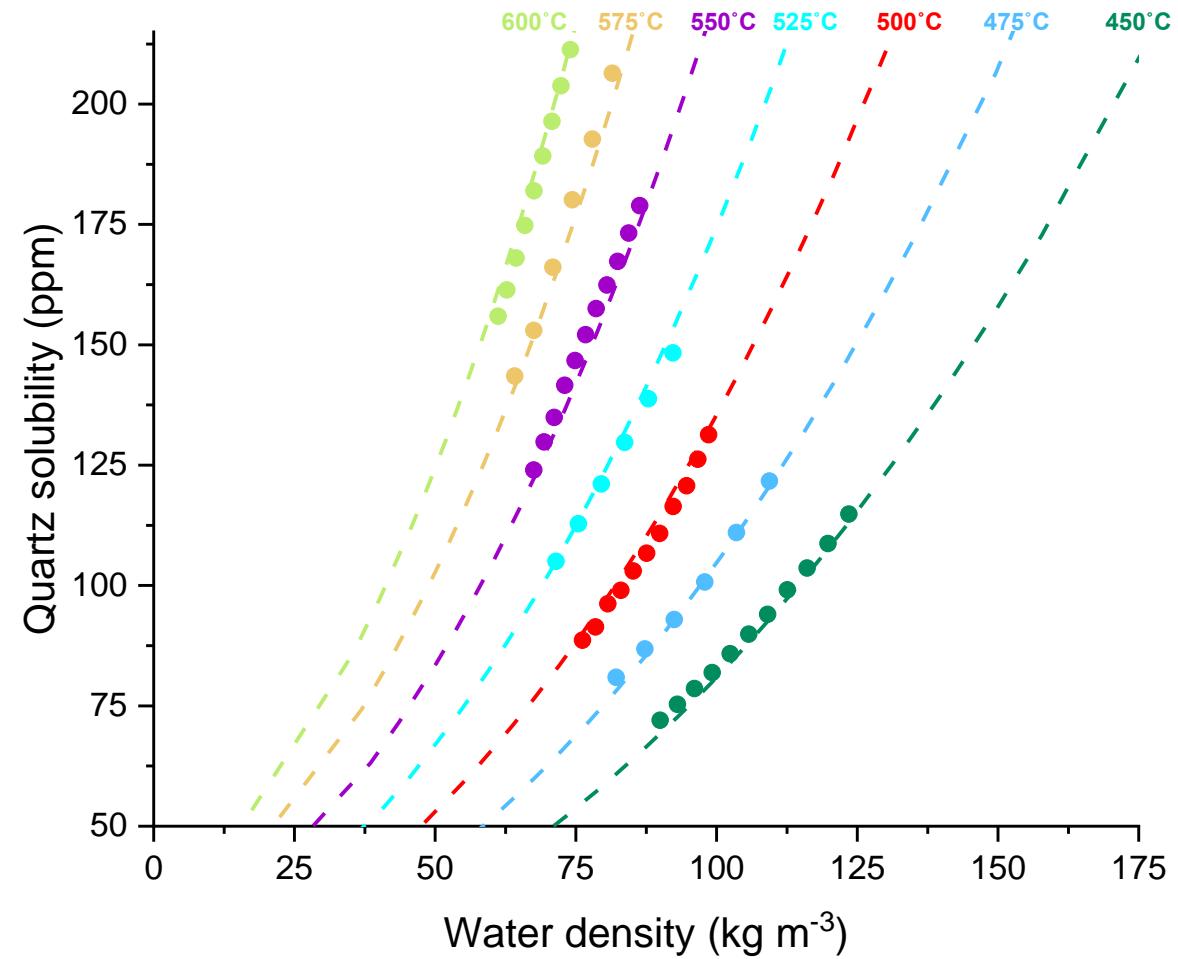
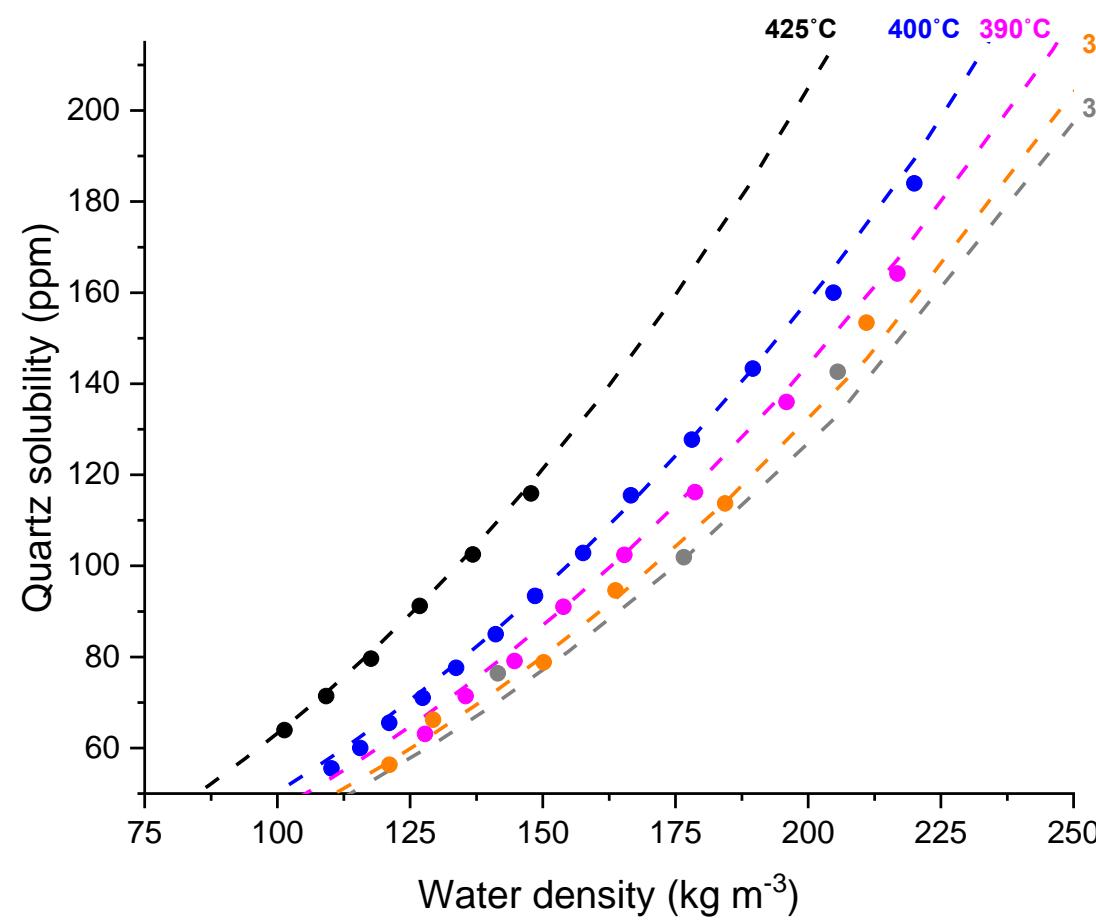
Fournier and Potter - Adjusted



--- Fournier and Potter, 1982 (Adjusted)



Fournier and Potter - Adjusted



--- Fournier and Potter, 1982 (Adjusted)





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