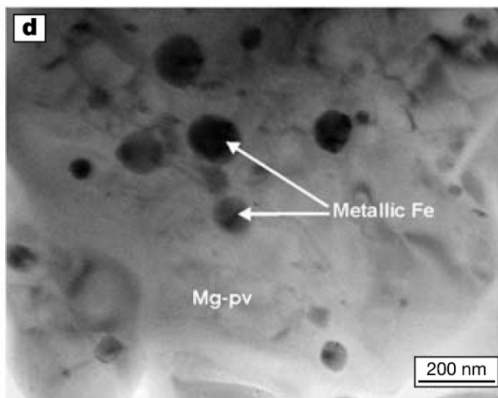
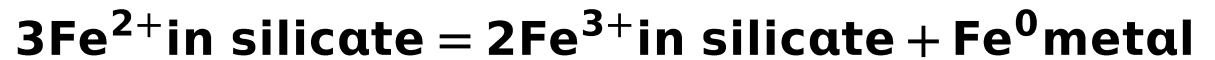


Pressure Effects on the Valence State of Fe



Frost et al. (2004) Science

- 15%Fe²⁺-Pv, 17%Fe³⁺-Pv, 20%Al-Pv, 10%Fe³⁺+10%Al-Pv, Mg-Pv
- 9%Fe²⁺-PPv, 17%Fe³⁺-PPv, (10%Fe³⁺+10%Al-PPv,)
- Same pressure scale (Au)
- Same pressure medium (Ar)

$$\Delta G = \Delta U + P\Delta V - T\Delta S$$