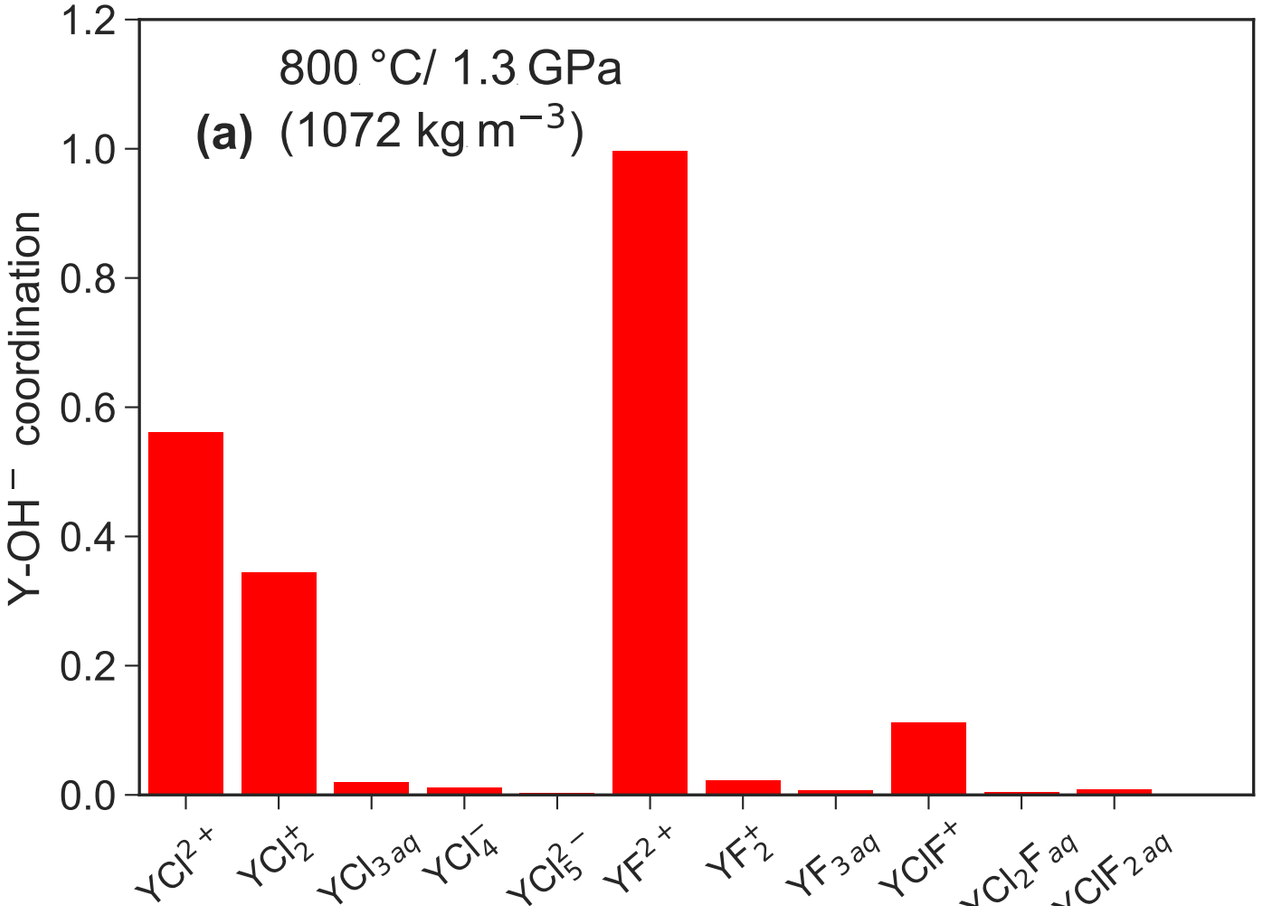
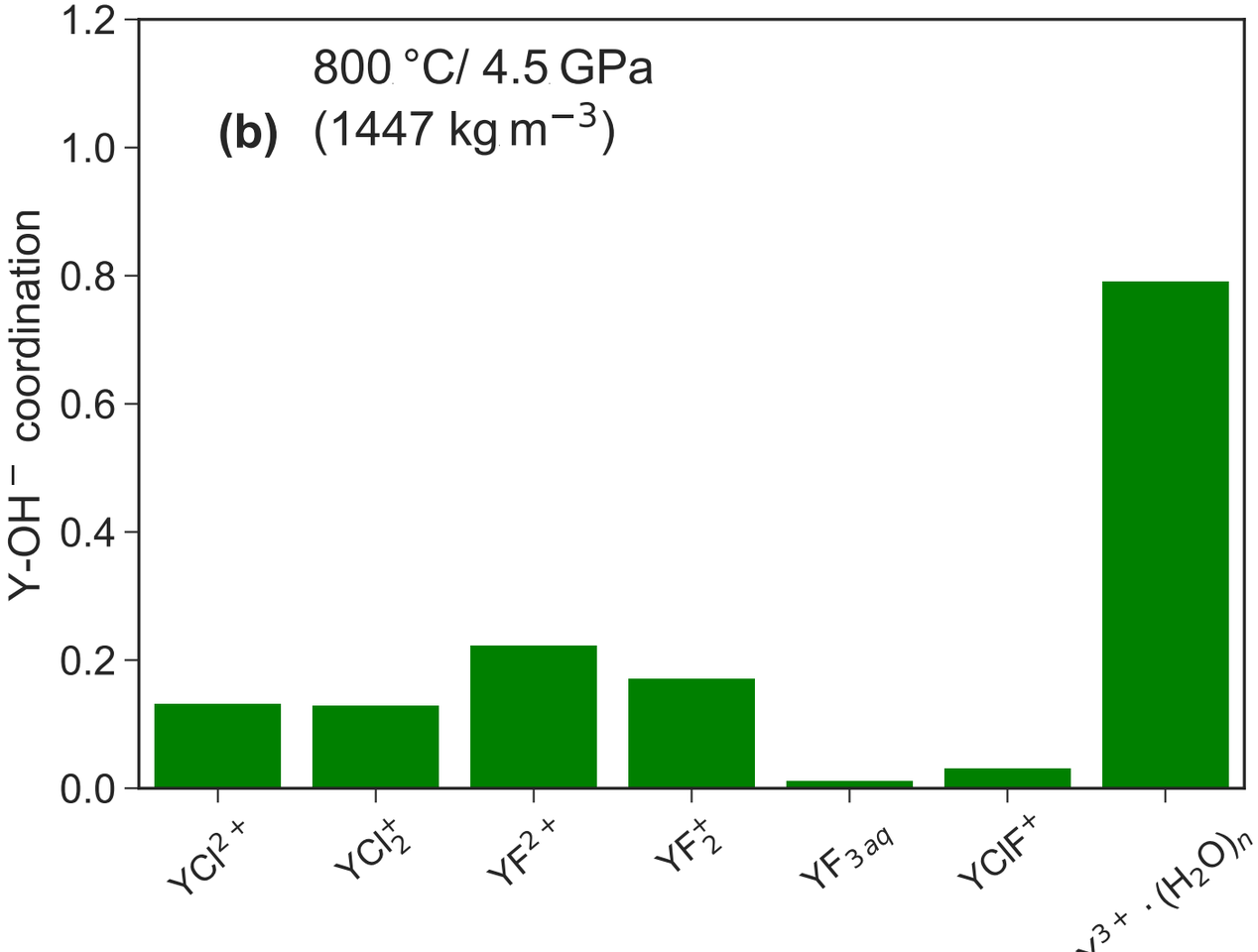

800 °C/ 1.3 GPa
(a) (1072 kg m^{-3})
Y-OH$^-$ coordination
1.2
1.0
0.8
0.6
0.4
0.2
0.0
YCl^{2+}
YCl_2^+
$YCl_{3\,aq}$
YCl_4^-
YCl_5^{2-}
YF^{2+}
YF_2^+
$YF_{3\,aq}$
$YClF^+$
YCl_2F_{aq}
$YClF_{2\,aq}$


800 °C/ 4.5 GPa
(b) (1447 kg m^{-3})
Y-OH$^-$ coordination
1.2
1.0
0.8
0.6
0.4
0.2
0.0
YCl^{2+}
YCl_2^+
YF^{2+}
YF_2^+
$YF_{3\,aq}$
$YClF^+$
$Y^{3+} \cdot (H_2O)_n$