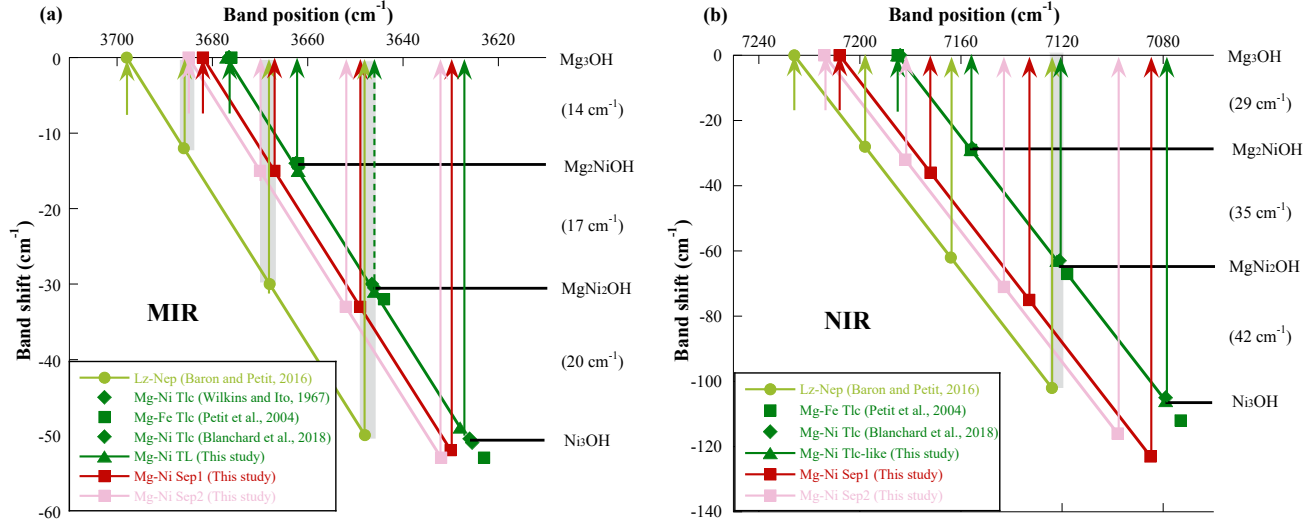
(a)
Band position (cm-1)
3700
3680
3660
3640
3620
Band shift (cm-1)
0
-10
-20
-30
-40
-50
-60
Mg3OH
(14 cm-1)
Mg2NiOH
(17 cm-1)
MgNi2OH
(20 cm-1)
Ni3OH
MIR
Lz-Nep (Baron and Petit, 2016)
Mg-Ni Tlc (Wilkins and Ito, 1967)
Mg-Fe Tlc (Petit et al., 2004)
Mg-Ni Tlc (Blanchard et al., 2018)
Mg-Ni TL (This study)
Mg-Ni Sep1 (This study)
Mg-Ni Sep2 (This study)
(b)
Band position (cm-1)
7240
7200
7160
7120
7080
Band shift (cm-1)
0
-20
-40
-60
-80
-100
-120
-140
Mg3OH
(29 cm-1)
Mg2NiOH
(35 cm-1)
MgNi2OH
(42 cm-1)
Ni3OH
NIR
Lz-Nep (Baron and Petit, 2016)
Mg-Fe Tlc (Petit et al., 2004)
Mg-Ni Tlc (Blanchard et al., 2018)
Mg-Ni Tlc-like (This study)
Mg-Ni Sep1 (This study)
Mg-Ni Sep2 (This study)