Figure 1

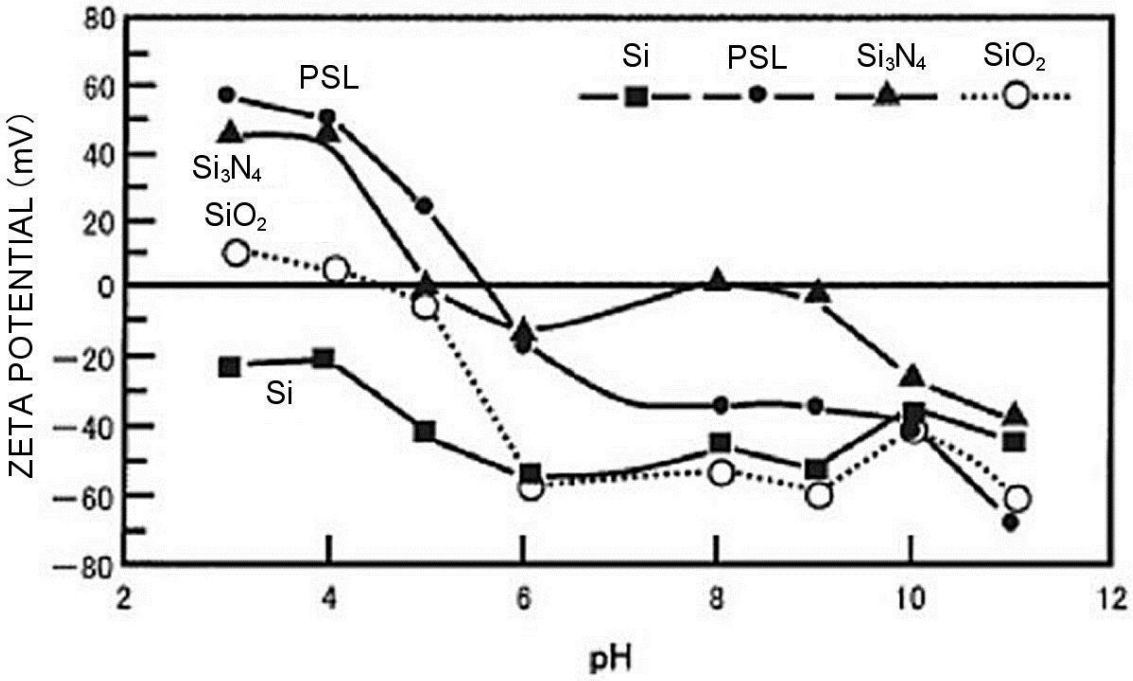
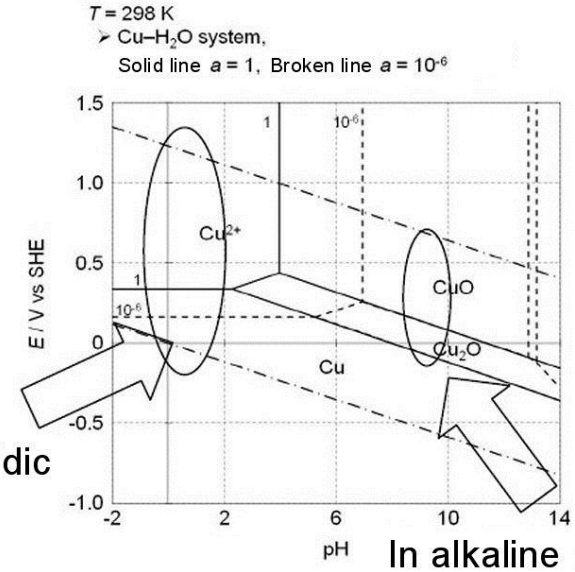


Figure 2



Oxide is not formed in acidic region.

In alkaline region it is possible to form an oxide film layer on the surface by control of potential.

Figure 3

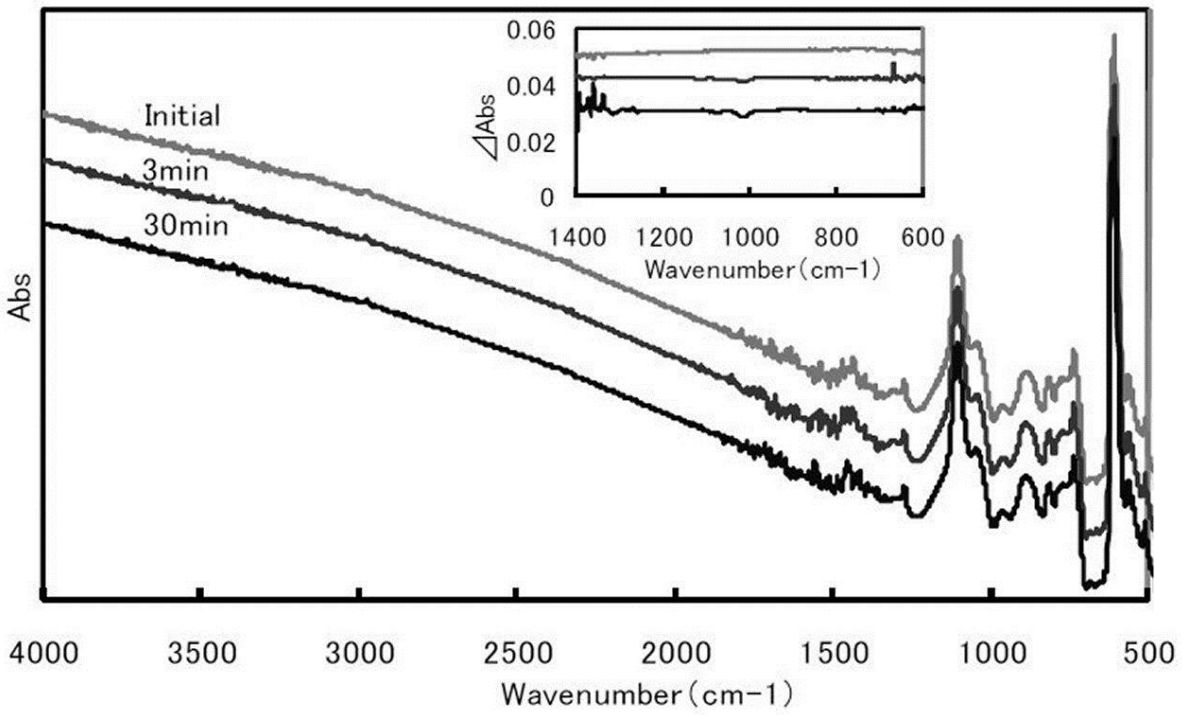


Figure 4

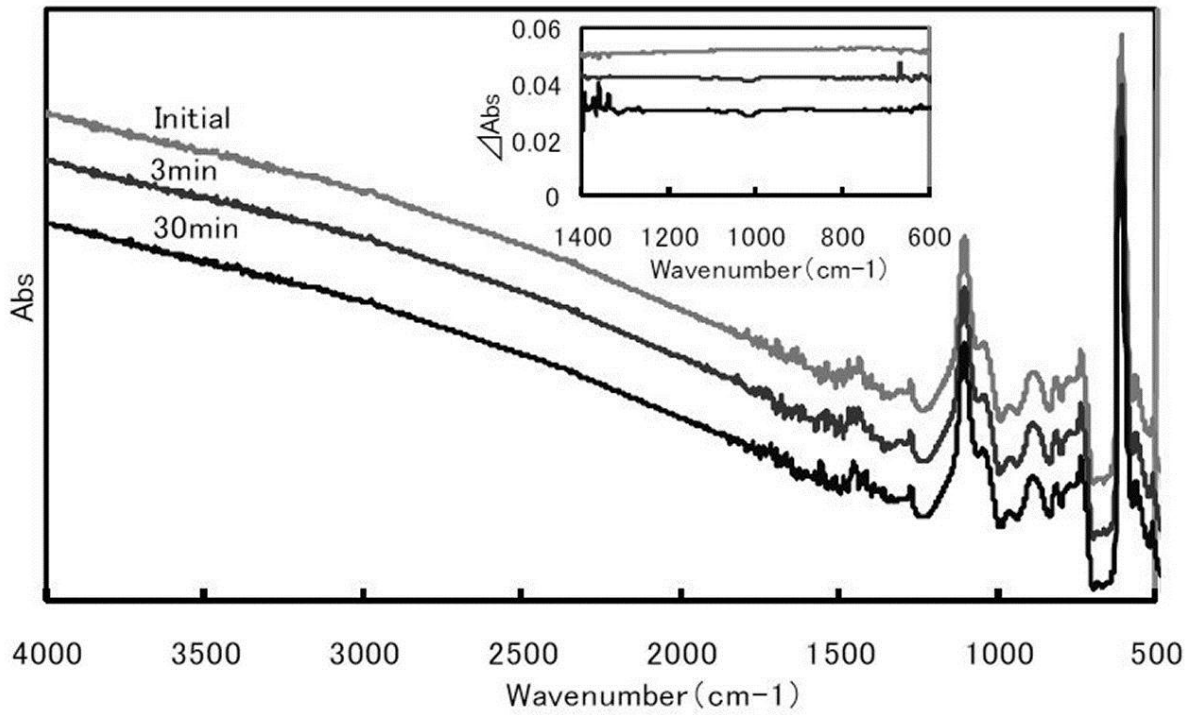
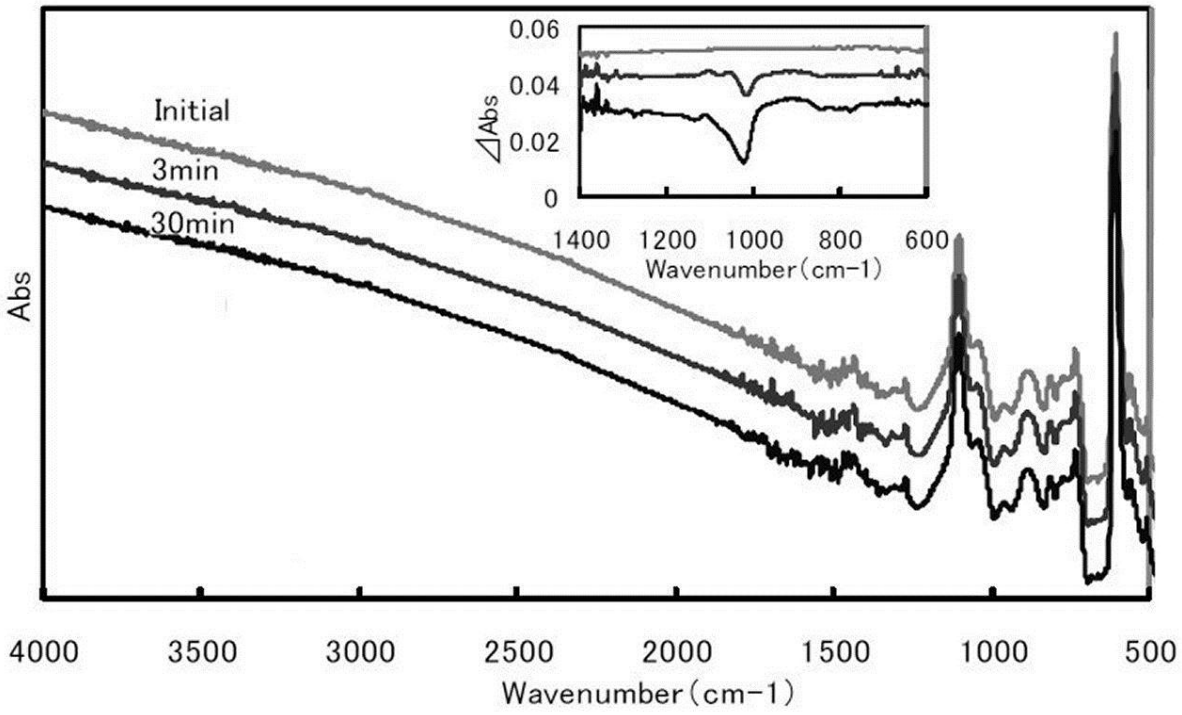


Figure 5


Initial
3min
30min
Abs
4000
3500
3000
2500
2000
1500
1000
500
Wavenumber(cm-1)
0.06
0.04
0.02
0
⊿Abs
1400
1200
1000
800
600
Wavenumber(cm-1)