FIGURES

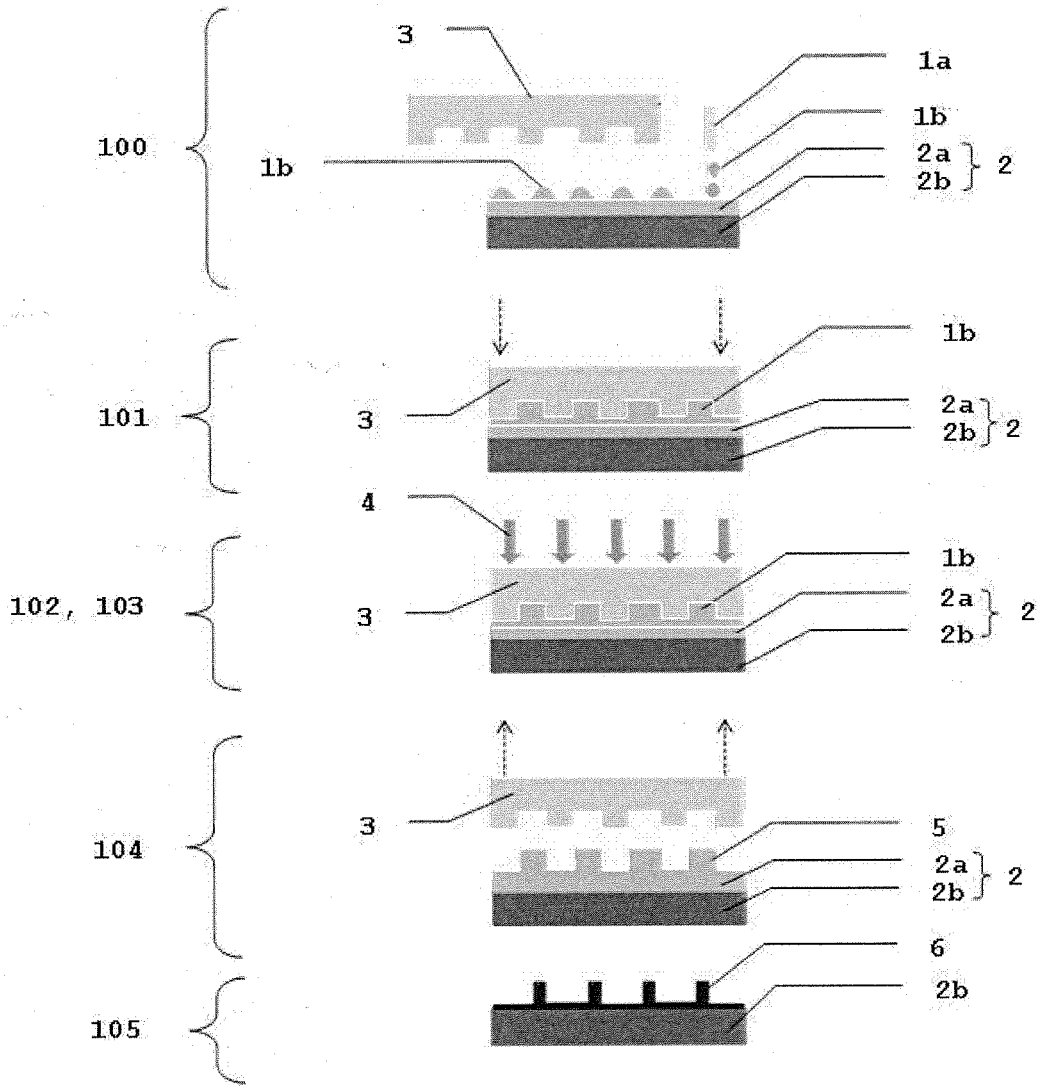
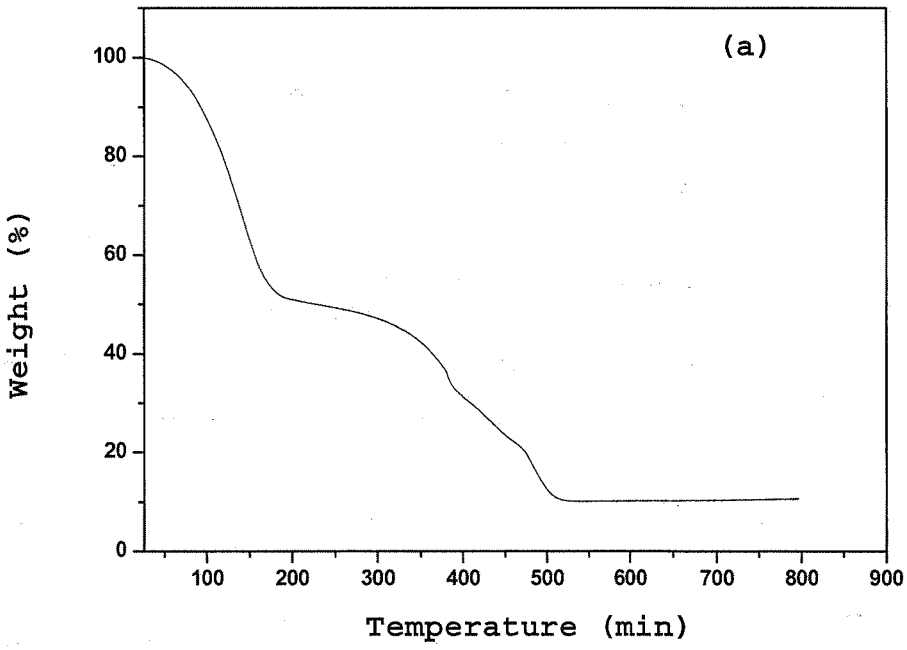


Fig. 1


(a)
Weight (%)
Temperature (min)
0
20
40
60
80
100
100
200
300
400
500
600
700
800
900

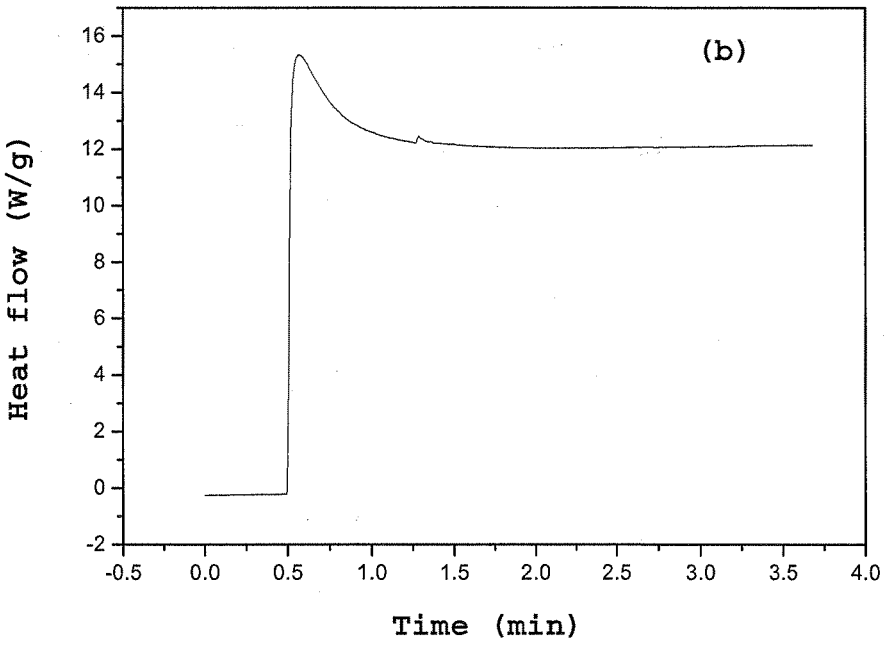

(b)
Heat flow (W/g)
Time (min)
-2
0
2
4
6
8
10
12
14
16
-0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0

Fig. 2

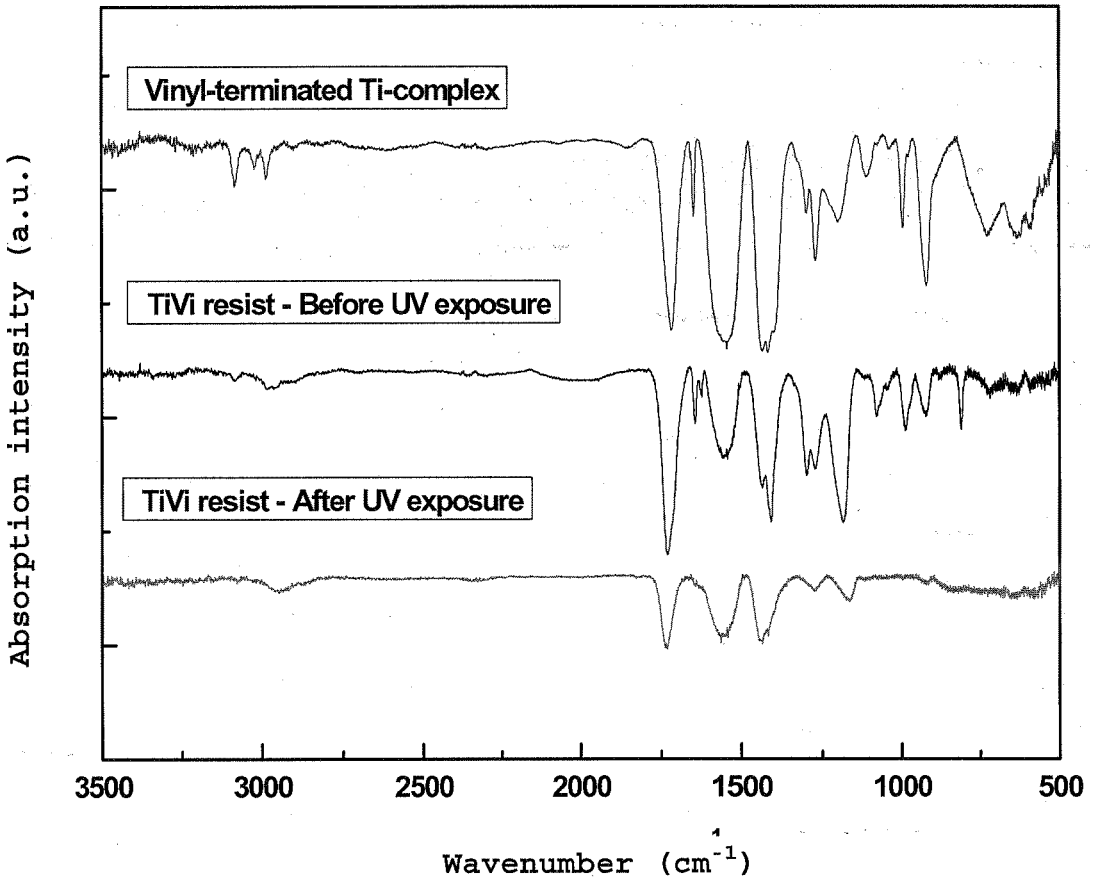
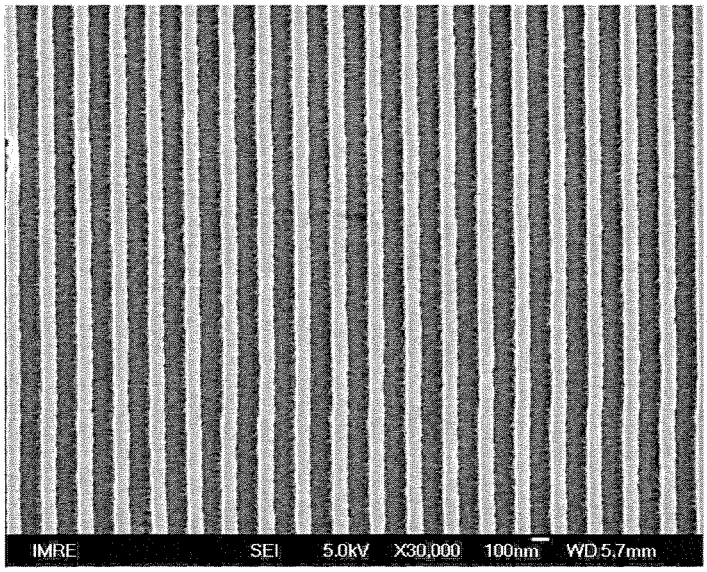
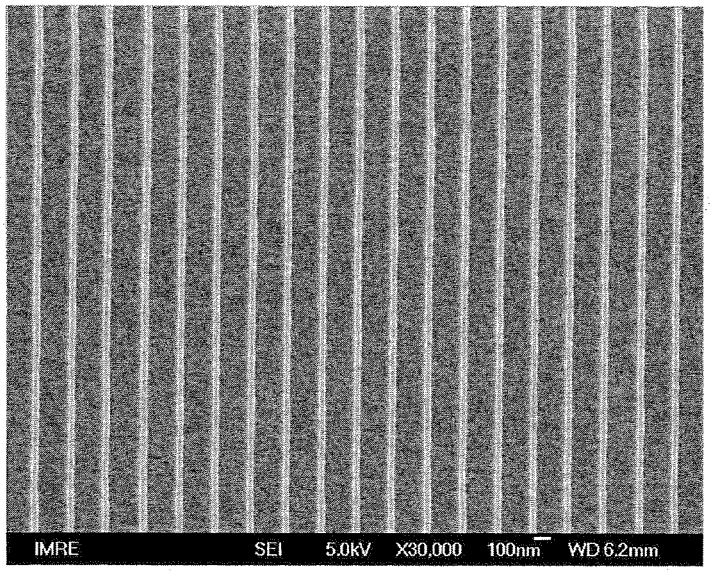

Vinyl-terminated Ti-complex
TiVi resist - Before UV exposure
TiVi resist - After UV exposure
Absorption intensity (a.u.)
3500
3000
2500
2000
1500
1000
500
Wavenumber (cm-1)

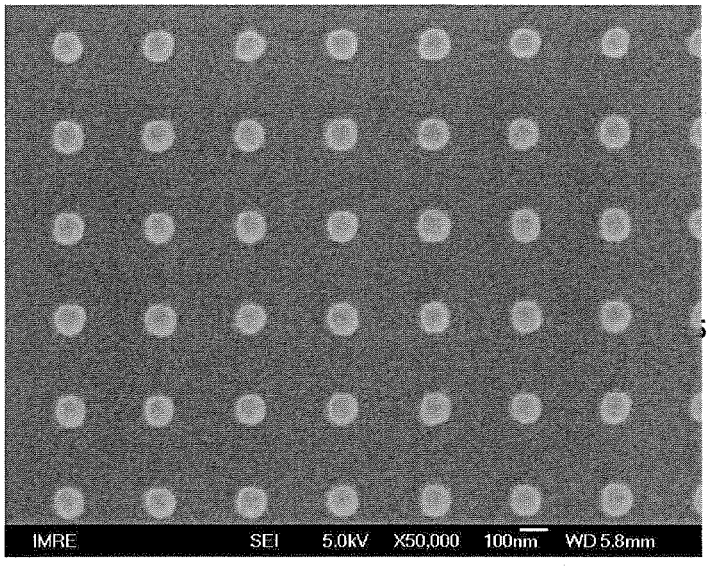
Fig. 3


IMRE SEI 5.0kV X30,000 100nm WD 5.7mm

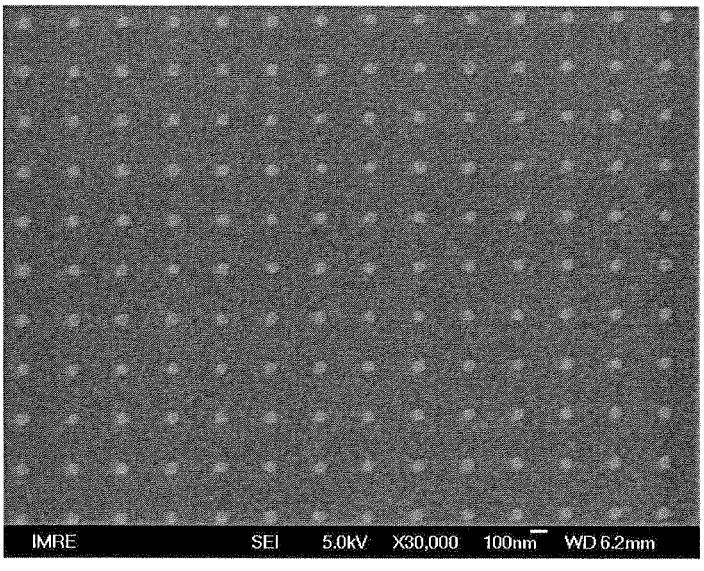
(a)


IMRE SEI 5.0kV X30,000 100nm WD 6.2mm

(b)


IMRE SEI 5.0kV X50,000 100nm WD 5.8mm

(c)


IMRE SEI 5.0kV X30,000 100nm WD 6.2mm

(d)

Fig. 4

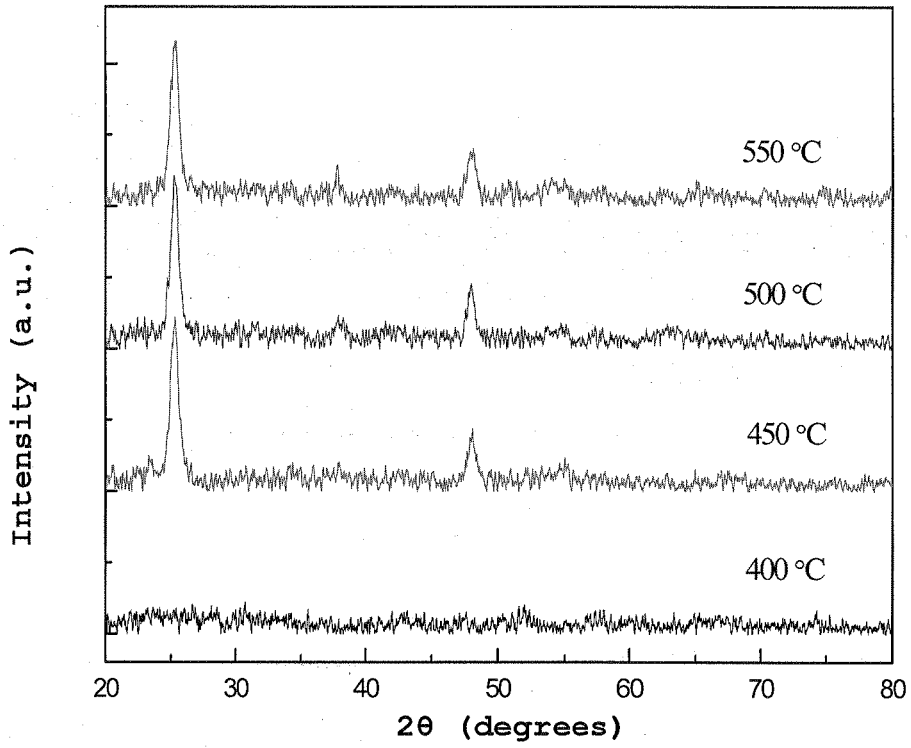

550 °C
500 °C
450 °C
400 °C
Intensity (a.u.)
20
30
40
50
60
70
80
2θ (degrees)

Fig. 5

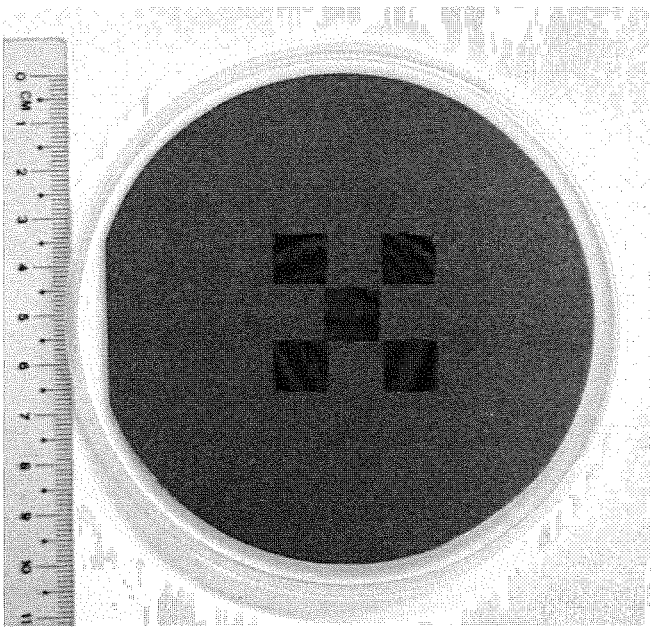


Fig. 6