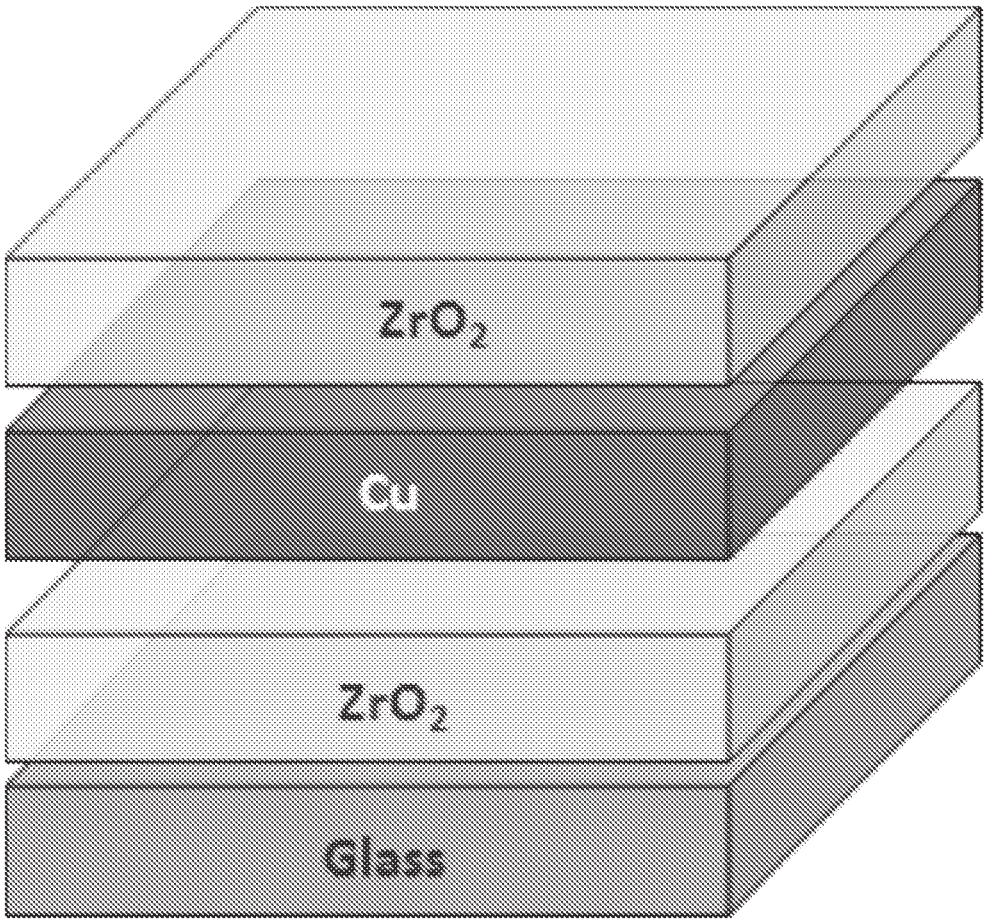
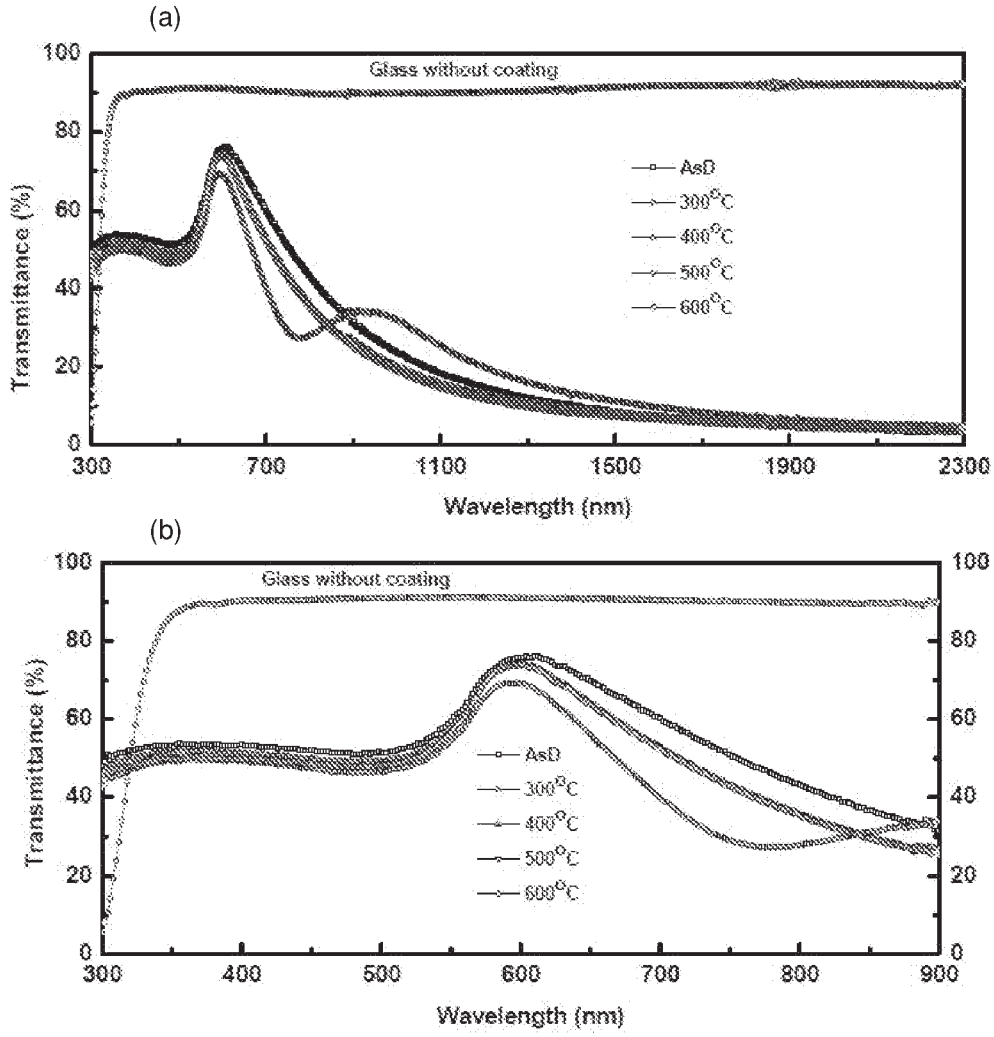
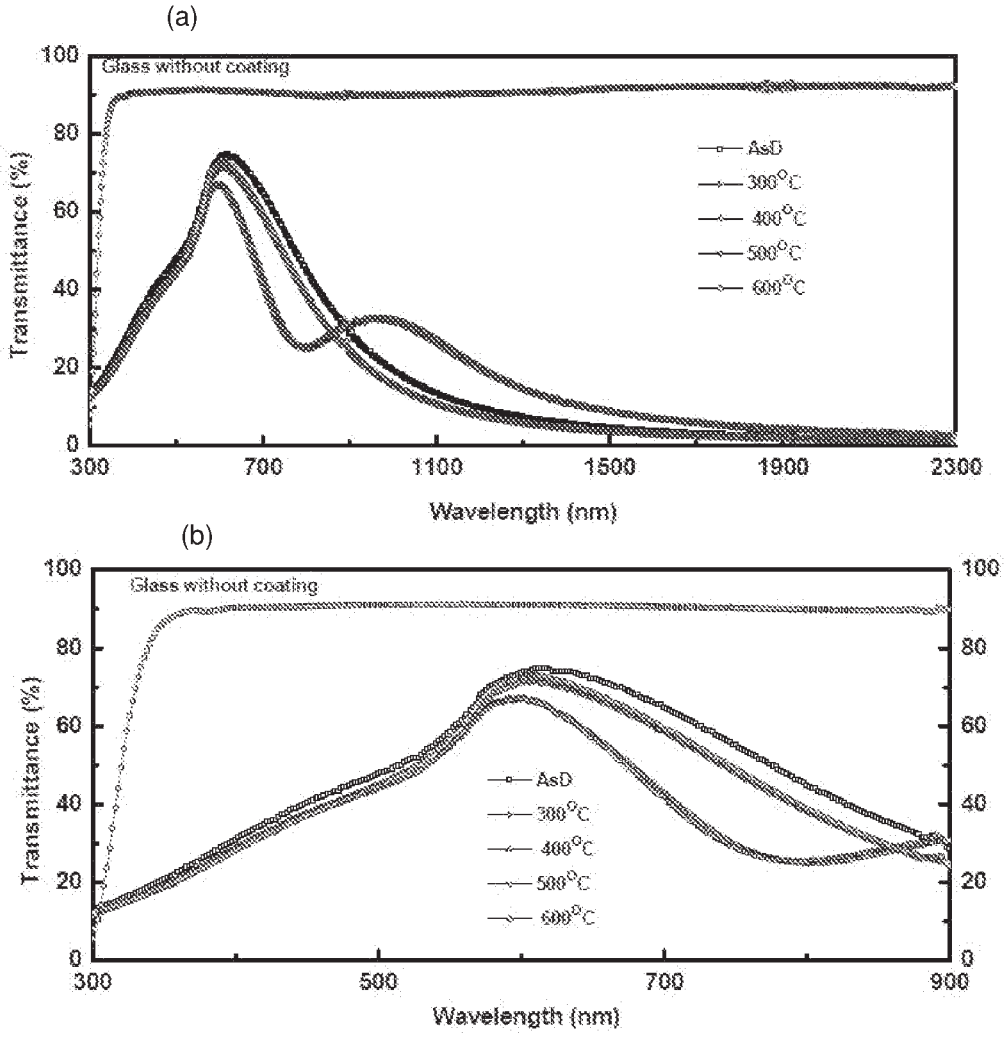
[Fig. 1]



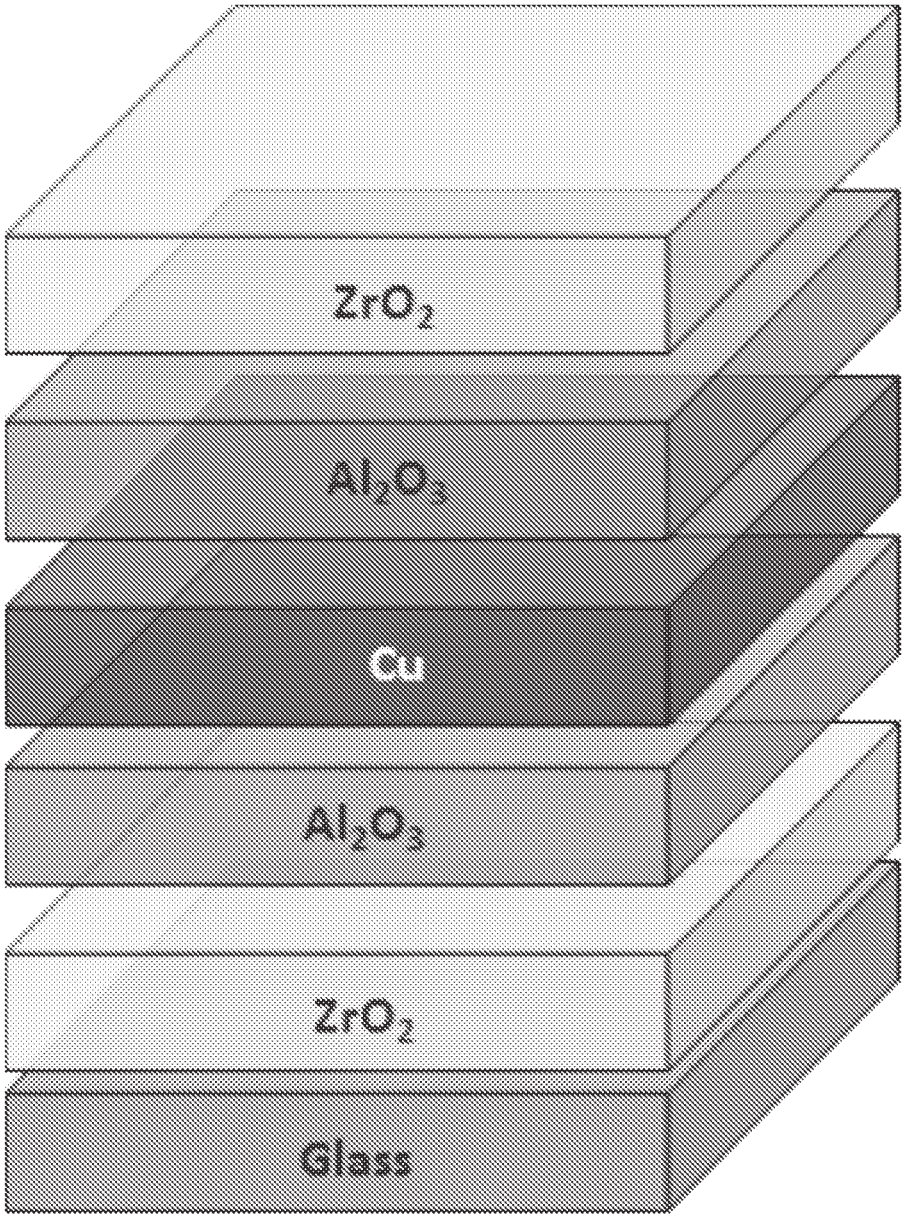
[Fig. 2]


(a)
Glass without coating
AsD
300°C
400°C
500°C
600°C
Transmittance (%)
Wavelength (nm)
(b)
Glass without coating
AsD
300°C
400°C
500°C
600°C
Transmittance (%)
Wavelength (nm)

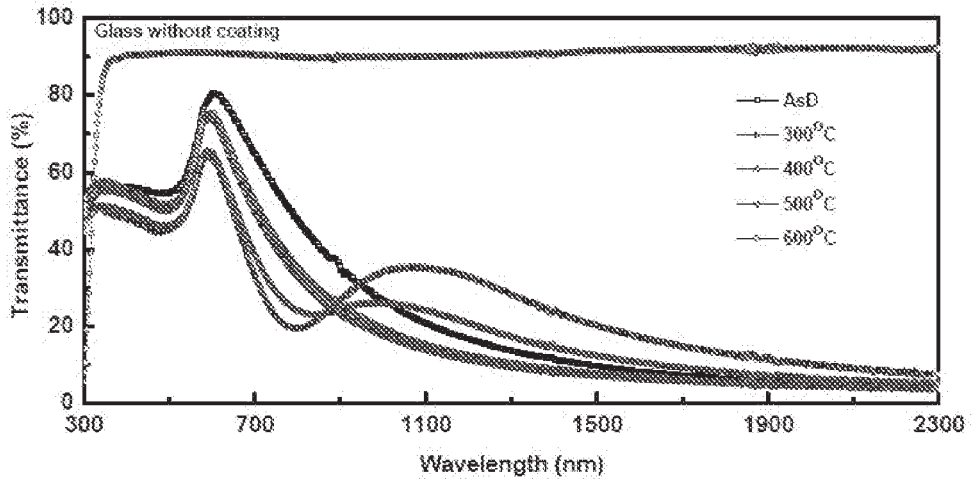
[Fig. 3]


(a)
Glass without coating
AsD
300°C
400°C
500°C
600°C
Transmittance (%)
Wavelength (nm)
(b)
Glass without coating
AsD
300°C
400°C
500°C
600°C
Transmittance (%)
Wavelength (nm)

[Fig. 4]

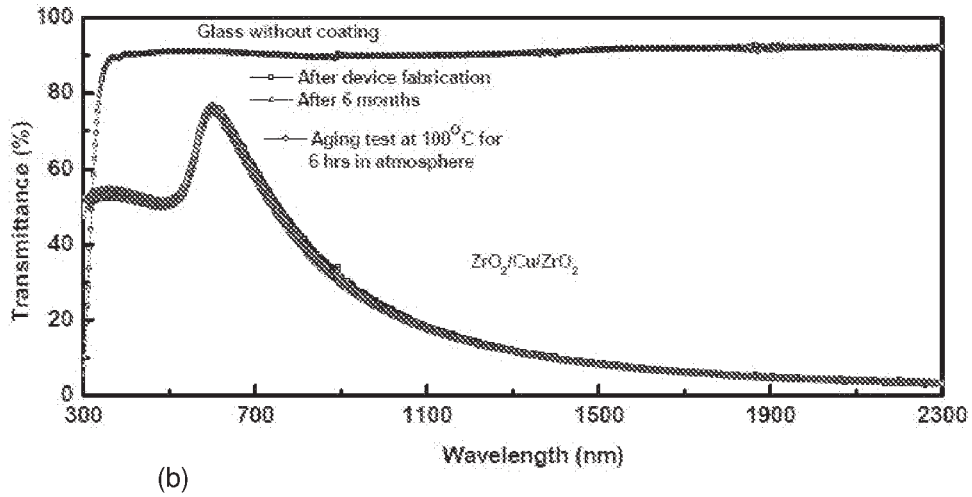


[Fig. 5]

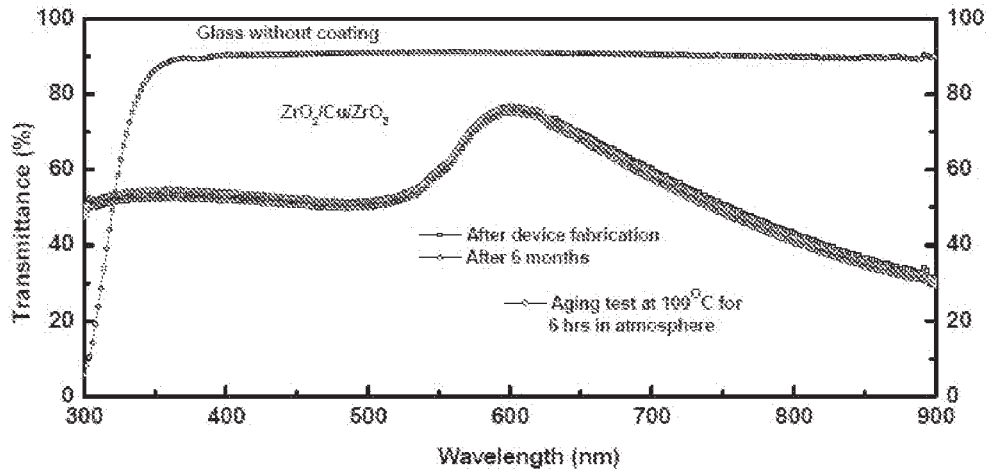

Glass without coating
AsD
300°C
400°C
500°C
600°C
Transmittance (%)
Wavelength (nm)
100
80
60
40
20
0
300
700
1100
1500
1900
2300

[Fig. 6]

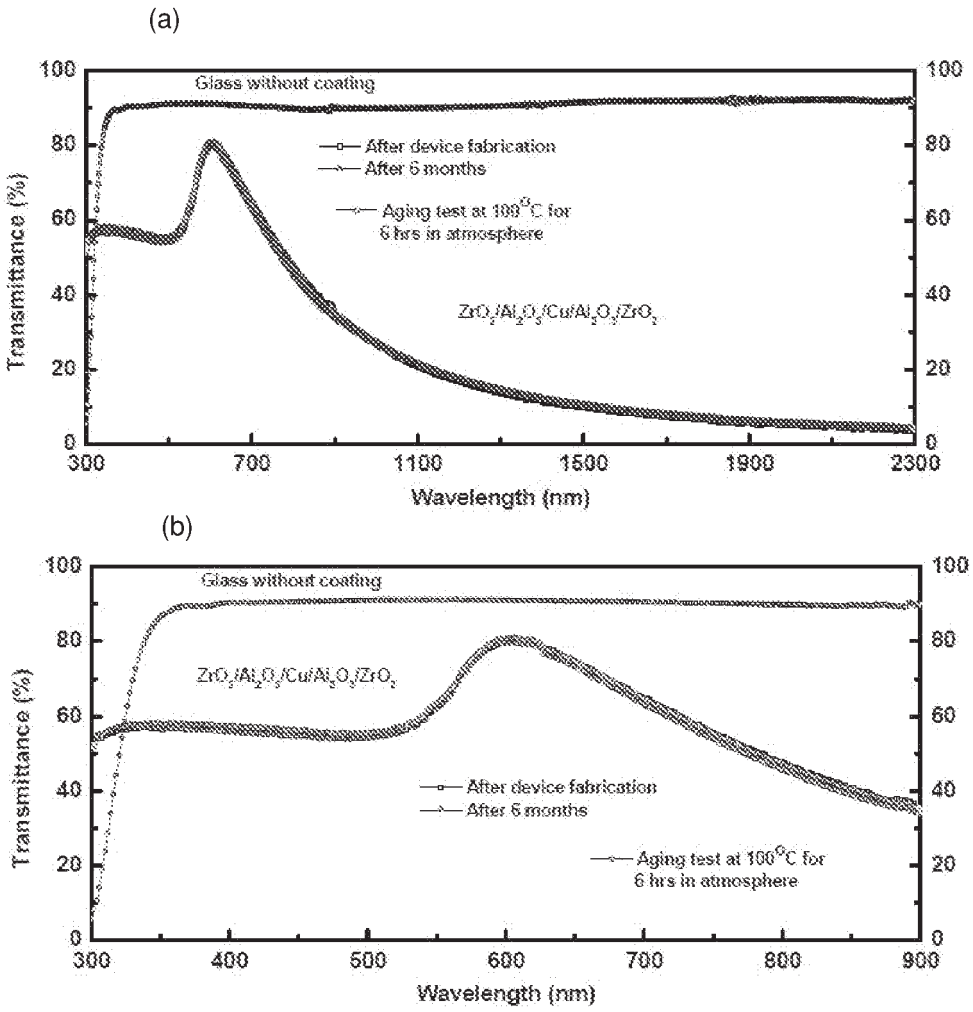
(a)


Glass without coating
After device fabrication
After 6 months
Aging test at 100°C for 6 hrs in atmosphere
ZrO2/Cu/ZrO2
Transmittance (%)
Wavelength (nm)
0
20
40
60
80
100
300
700
1100
1500
1900
2300

(b)


Glass without coating
ZrO2/Cu/ZrO2
After device fabrication
After 6 months
Aging test at 100°C for 6 hrs in atmosphere
Transmittance (%)
Wavelength (nm)
0
20
40
60
80
100
300
400
500
600
700
800
900

[Fig. 7]


(a)
Glass without coating
After device fabrication
After 6 months
Aging test at 100°C for 6 hrs in atmosphere
ZrO2/Al2O3/Cu/Al2O3/ZrO2
Transmittance (%)
Wavelength (nm)
(b)
Glass without coating
ZrO2/Al2O3/Cu/Al2O3/ZrO2
After device fabrication
After 6 months
Aging test at 100°C for 6 hrs in atmosphere
Transmittance (%)
Wavelength (nm)