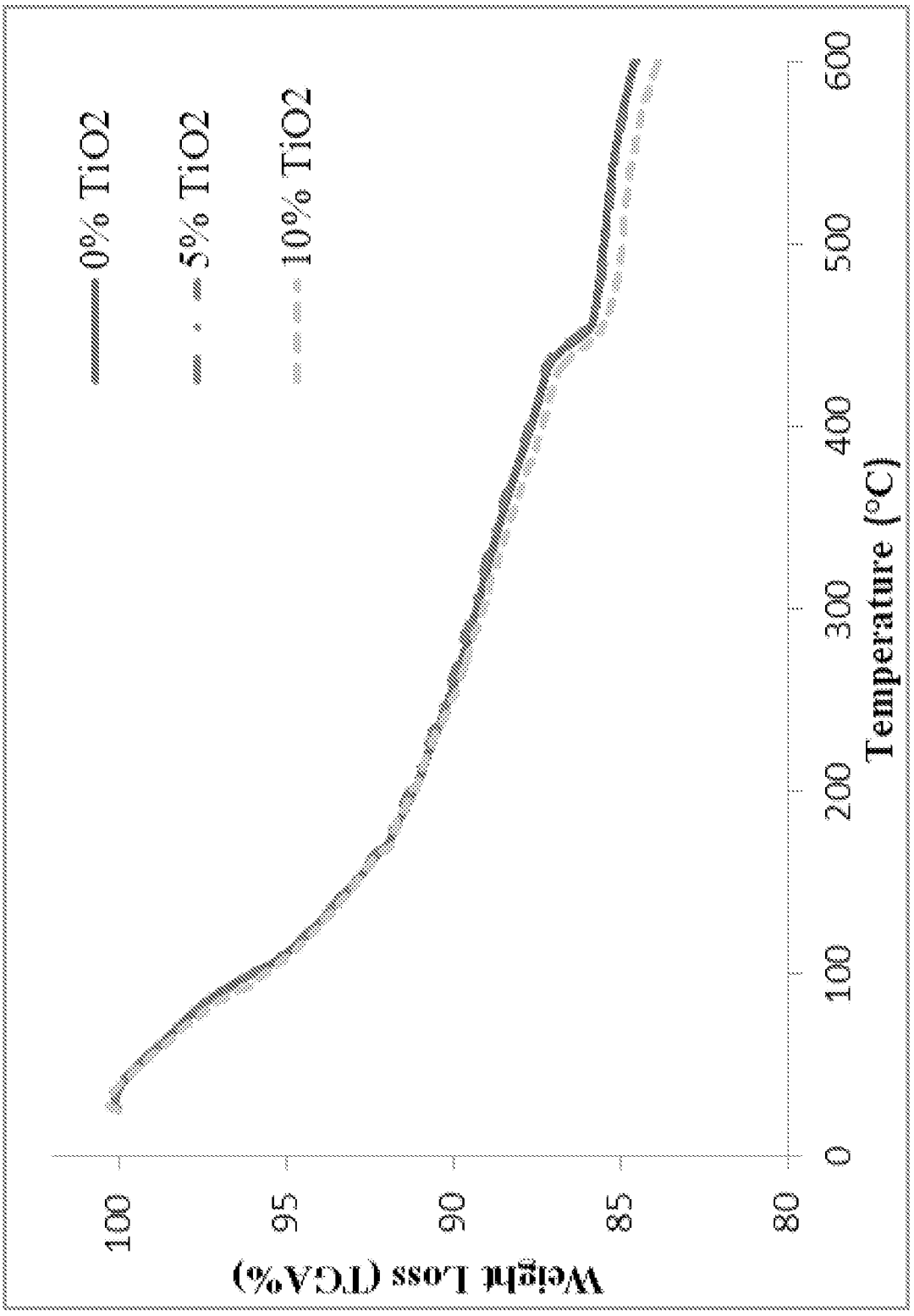

0% TiO2
5% TiO2
10% TiO2
Weight Loss (TGA%)
100
95
90
85
80
0
100
200
300
400
500
600
Temperature (°C)

FIG. 1

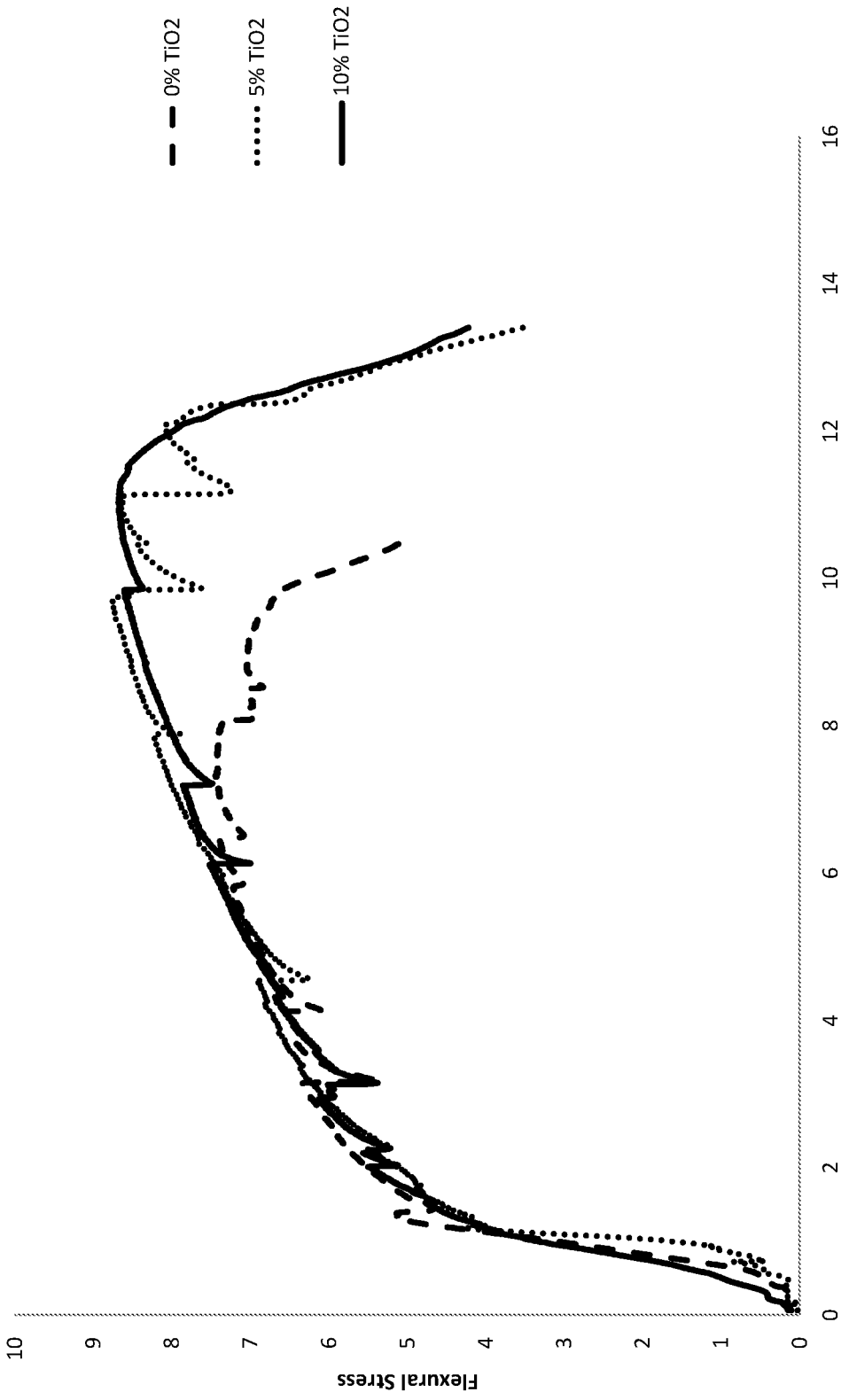

0% TiO2
5% TiO2
10% TiO2
Flexural Stress
Deflection
0
1
2
3
4
5
6
7
8
9
10
0
2
4
6
8
10
12
14
16

FIG. 2

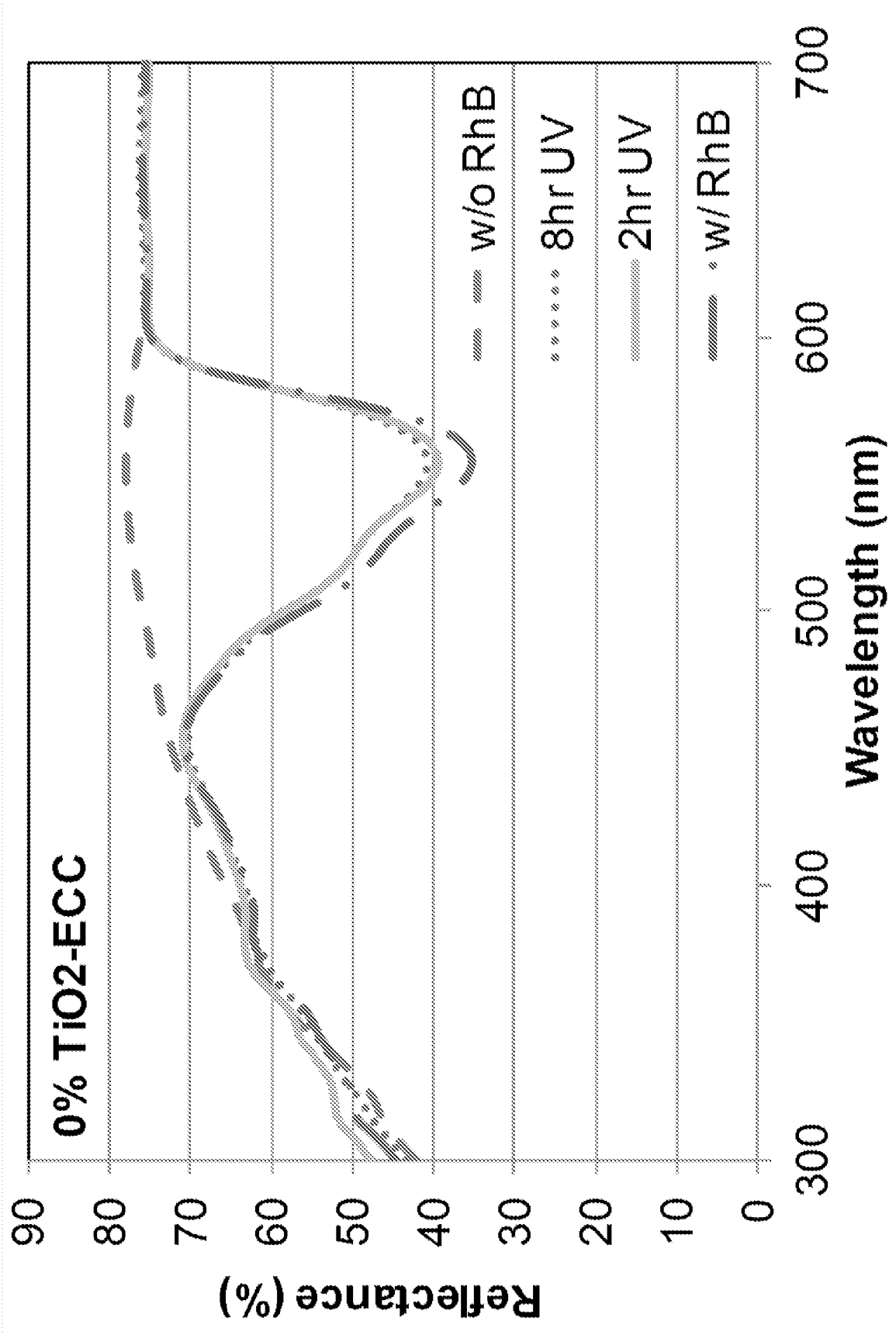

0% TiO2-ECC
w/o RhB
8hr UV
2hr UV
w/ RhB
Reflectance (%)
Wavelength (nm)
90
80
70
60
50
40
30
20
10
0
300
400
500
600
700

FIG. 3

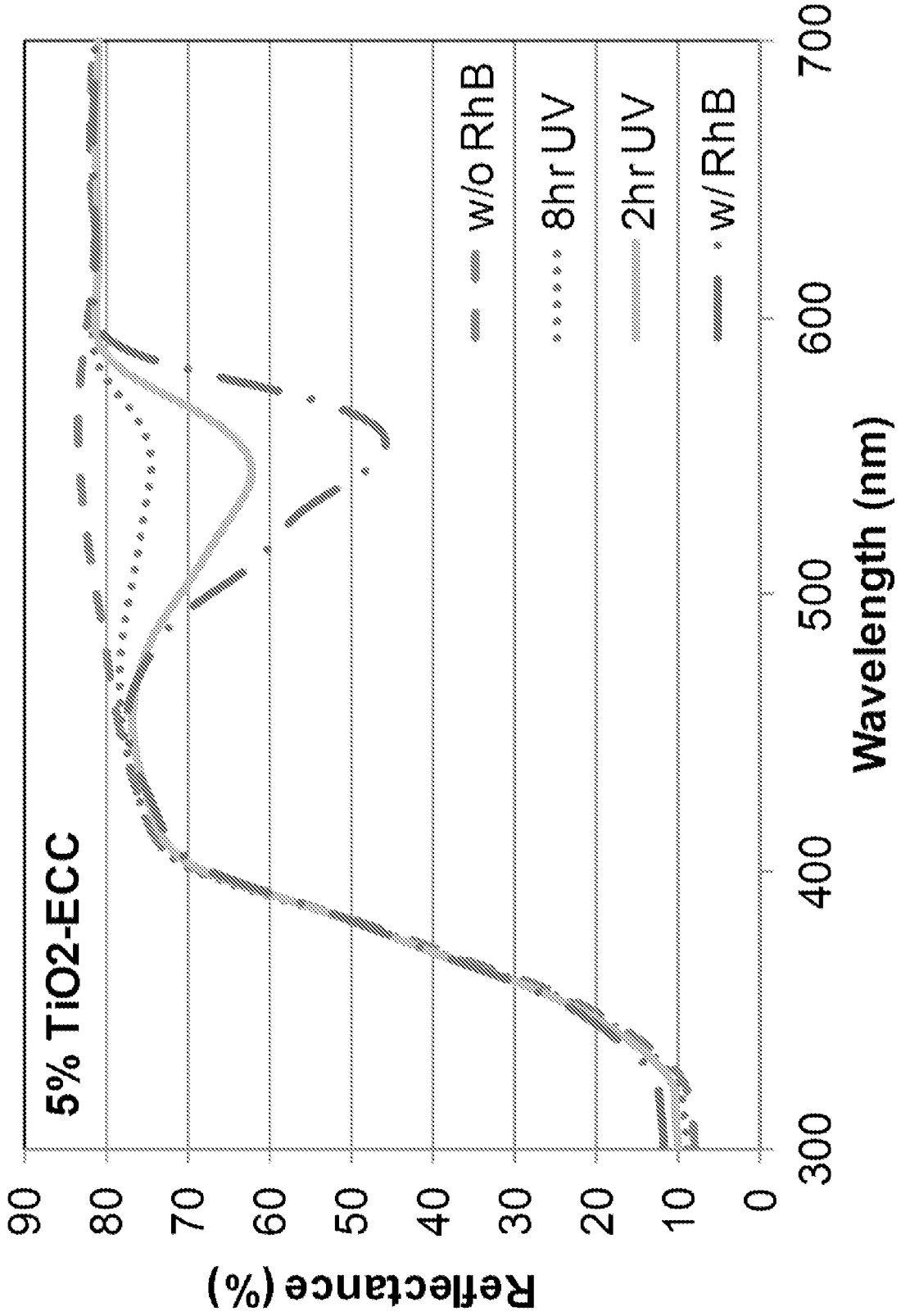

5% TiO2-ECC
w/o RhB
8hr UV
2hr UV
w/ RhB
Reflectance (%)
Wavelength (nm)
90
80
70
60
50
40
30
20
10
0
300
400
500
600
700

FIG. 4

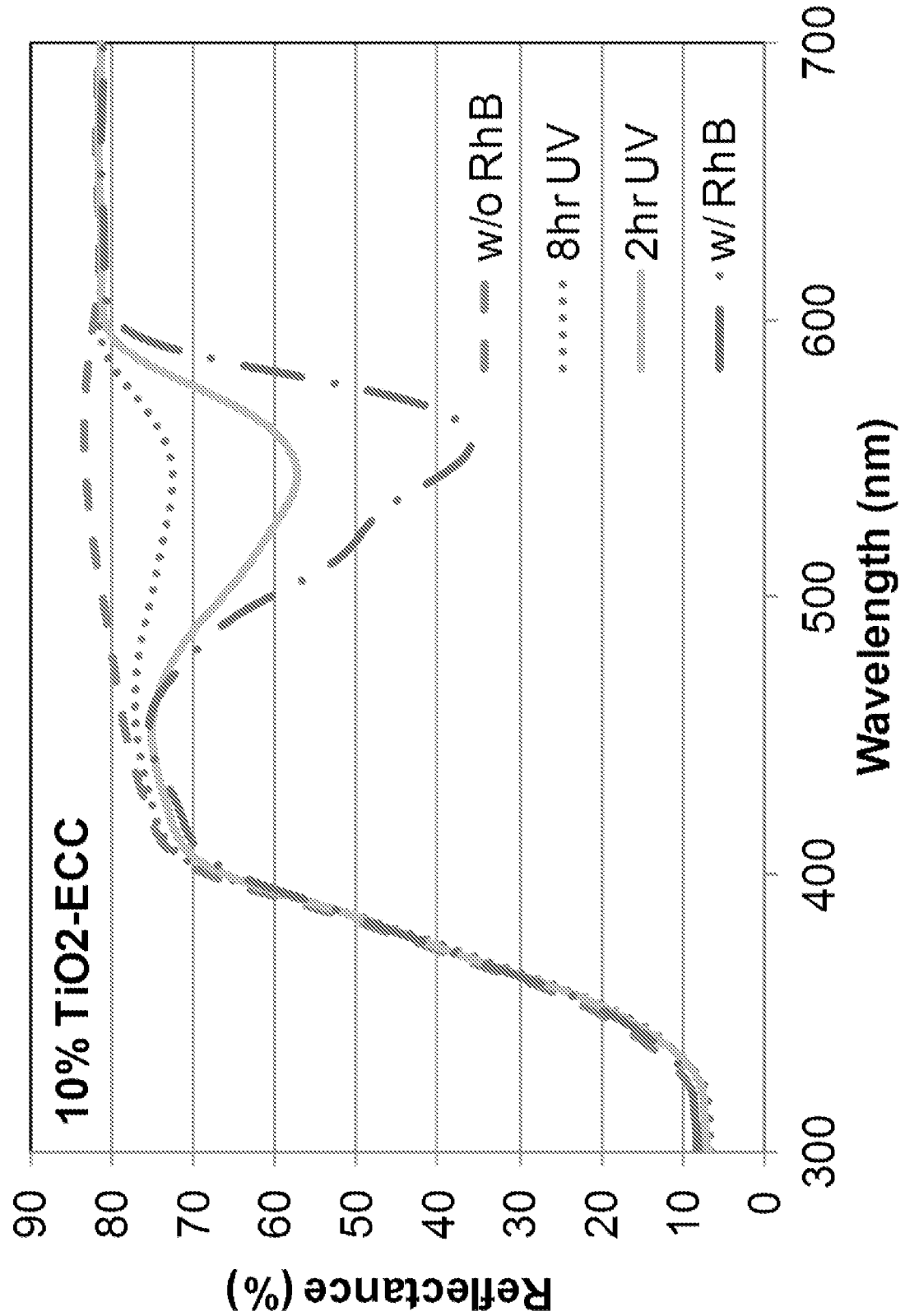

10% TiO2-ECC
w/o RhB
8hr UV
2hr UV
w/ RhB
Reflectance (%)
Wavelength (nm)
0
10
20
30
40
50
60
70
80
90
300
400
500
600
700

FIG. 5