

Supporting information

Fig. 1 SEM images of T-2/700 and T-4/700.

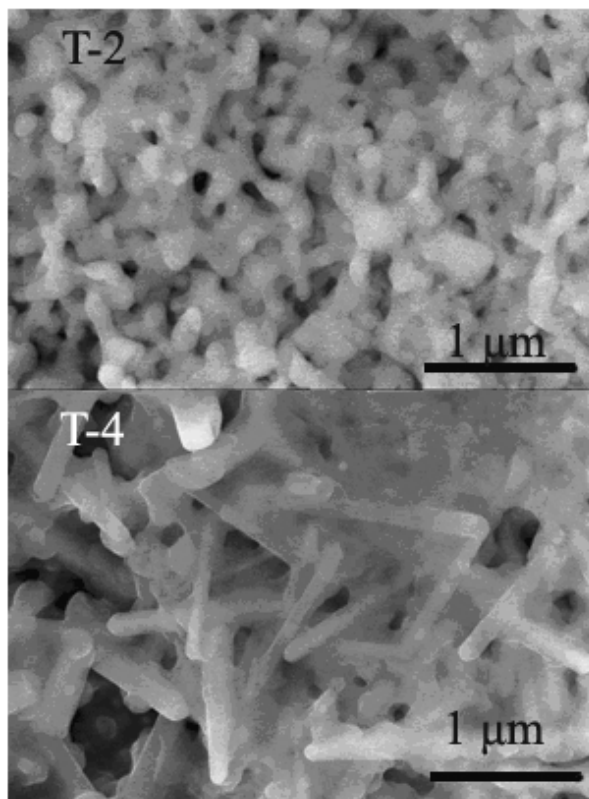


Fig. 2 The EDX spectrum of T-2.

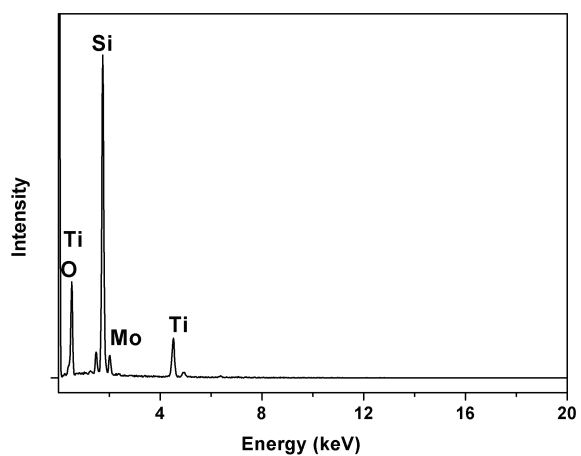


Fig. 3 XRD patterns of TiO₂ films undoped and doped with different amounts of Mo by thermal treatment at 500 °C. A: anatase, R: rutile.

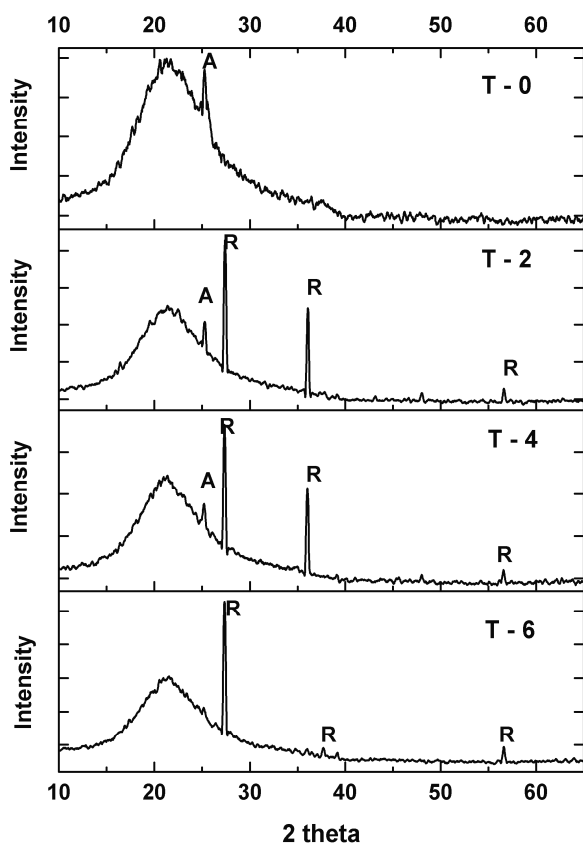


Fig. 4 UV-vis spectrum of undoped and doped titania films.

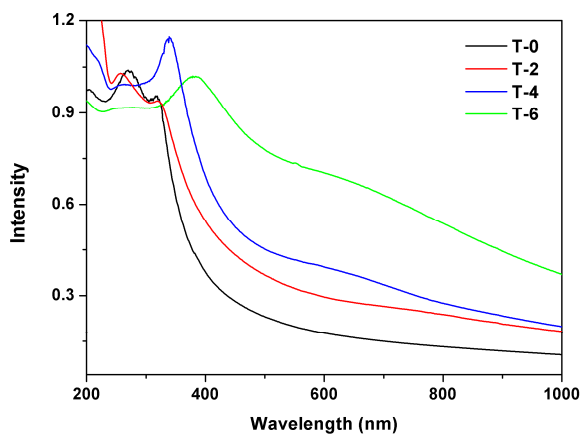


Table 1 Rutile ratio of Mo⁶⁺-TiO₂ films obtained from thermal treatment under different temperature.

	400	500	600
T-0	0	0	17
T-2	0	71.4	100
T-4	0	72.3	100
T-6	0	78.9	100