

*Table S1: Texture coefficient for the (110), (101), (200) and (211) planes of the SnO<sub>2</sub> films deposited under P<sub>D</sub> 100 mTorr and with deposition temperature from 300 – 700 °C.*

T (°C)	Texture coefficient			
	TC(110)	TC(101)	TC(200)	TC(211)
300	-	-	-	-
400	0.57	0.33	2.05	1.05
500	0.81	0.25	2.24	0.69
600	1.53	0.20	1.30	0.97
700	1.97	0.18	0.82	1.03

*Table S2: Texture coefficient for the (110), (101), (200) and (211) planes of the SnO<sub>2</sub> films deposited at T<sub>D</sub> 600 °C and under P<sub>D</sub> 5-300 mTorr.*

P <sub>D</sub> (mTorr)	Texture coefficient			
	TC(110)	TC(101)	TC(200)	TC(211)
5	0.19	1.44	0.49	1.89
25	0.50	0.21	2.17	1.12
50	1.64	0.08	1.12	1.17
75	1.69	0.24	1.18	0.89
100	1.27	0.42	1.20	1.12
125	0.89	0.60	1.01	1.49
150	0.71	0.84	0.69	1.77
200	0.49	1.05	0.73	1.73
250	0.43	1.16	0.68	1.73
300	0.42	1.16	0.74	1.68