

# Supporting Information

## Surface oxidation of titanium oxynitride films prepared by PEALD

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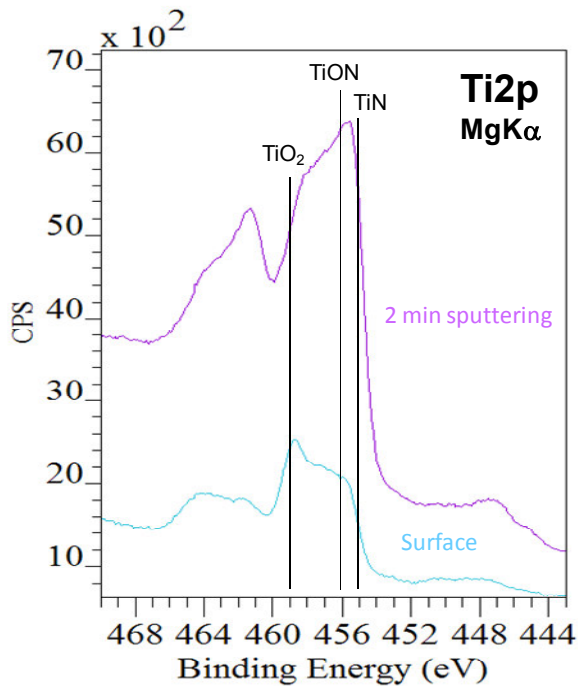


Fig. 1, Ti2p XPS core level spectra of TiON recorded with Mg-Ka excitation before (blue curve) and after 2 minutes (magenta) of sputtering.

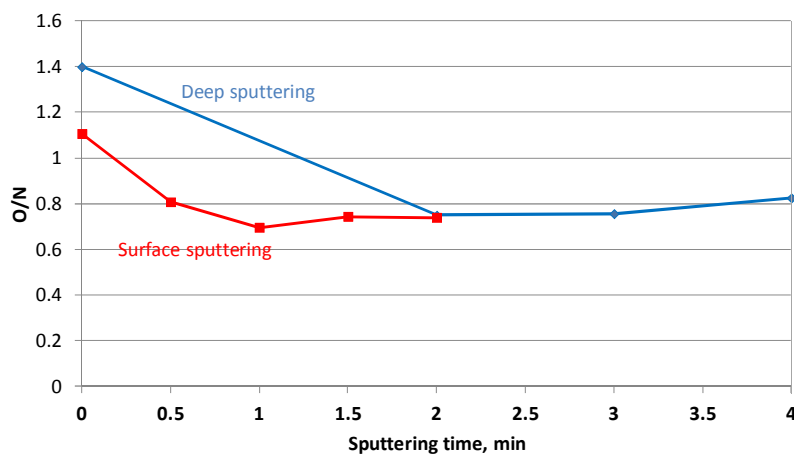


Fig. 2, O/N ratio of the TiON film versus the sputtering time as determined by XPS. The sputtering was performed with time steps of 1 minute (blue curve with diamonds) and 30 sec (red, rectangles).