

# Combining Reactive Sputtering and Rapid Thermal Processing for Synthesis and Discovery of Metal Oxynitrides

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## Supplementary Document

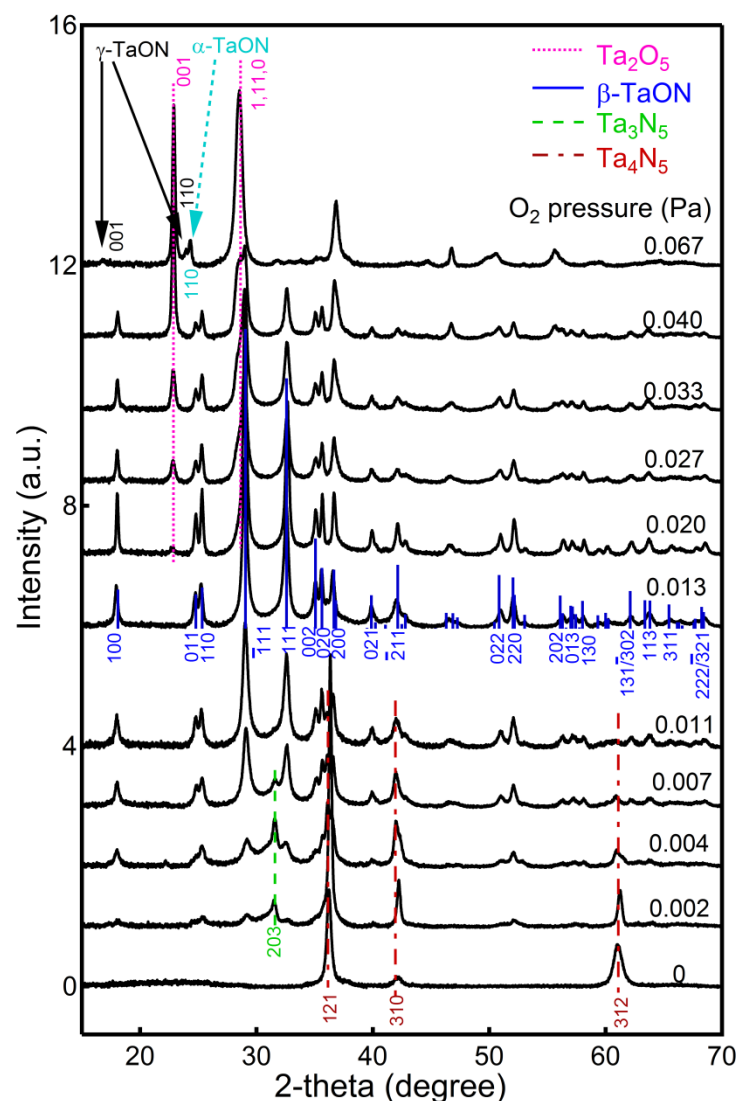


FIG. S1. X-ray diffraction patterns from TaO<sub>x</sub>N<sub>y</sub> thin films deposited at various O<sub>2</sub> partial pressures and fixed N<sub>2</sub> pp of 0.2 Pa, then annealed with RTP at approximately 1173 K for 30 seconds in N<sub>2</sub> flow.

