

Electronic Supporting Information (ESI)

Synthesis, Characterization and Computational Study of Ilmenite-Structured $\text{Ni}_3\text{Mn}_3\text{Ti}_6\text{O}_{18}$ Thin Film Photoanode for Solar Water Splitting

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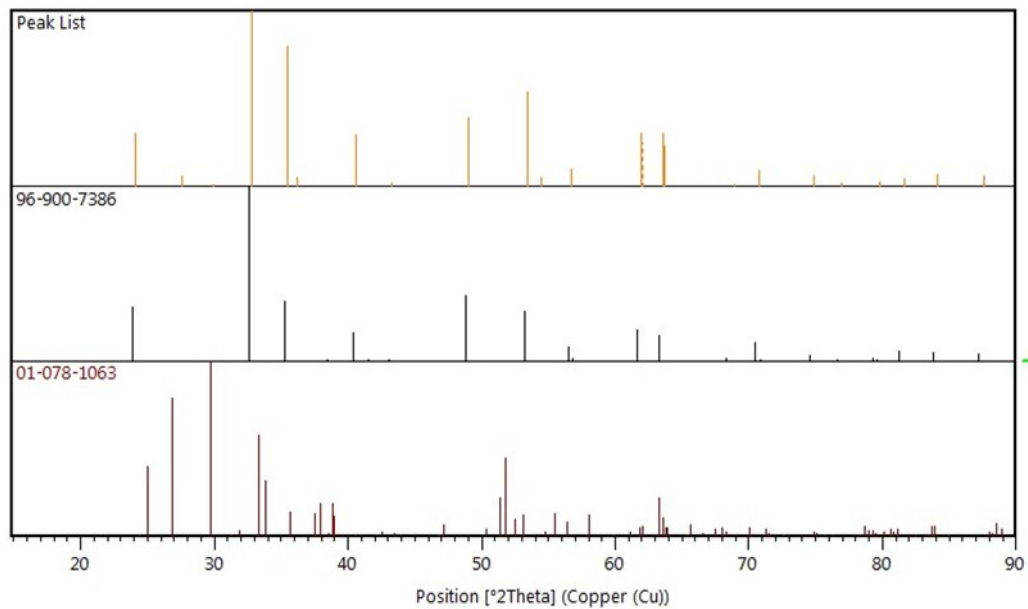


Figure S1. Stick pattern matching of $\text{Ni}_3\text{Mn}_3\text{Ti}_6\text{O}_{18}$ thin film with respective standard cards of individual components.

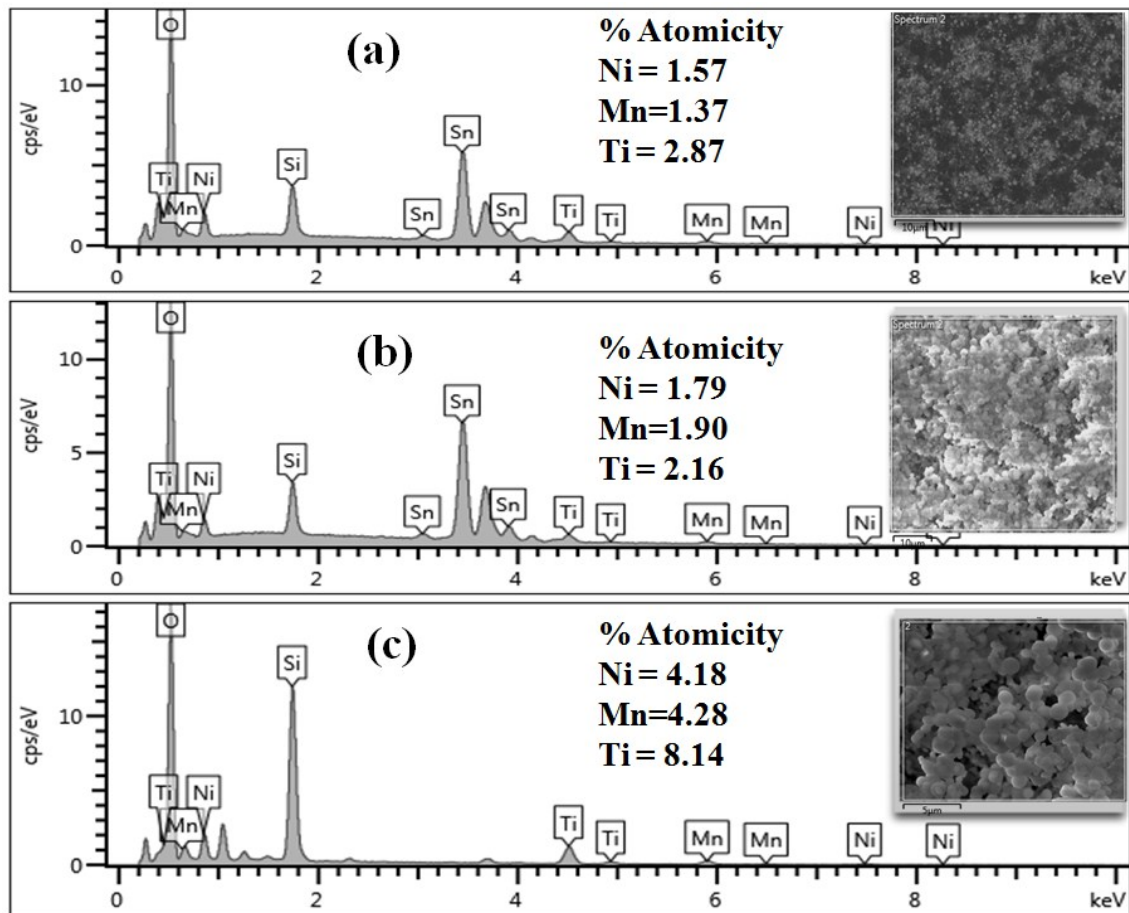


Figure S2. EDX spectrum recorded for $\text{Ni}_3\text{Mn}_3\text{Ti}_6\text{O}_{18}$ thin film deposited on FTO substrate by AACVD at (a) 575, (b) 600 and (c) 625 °C for 45 minutes under Ar atmosphere.

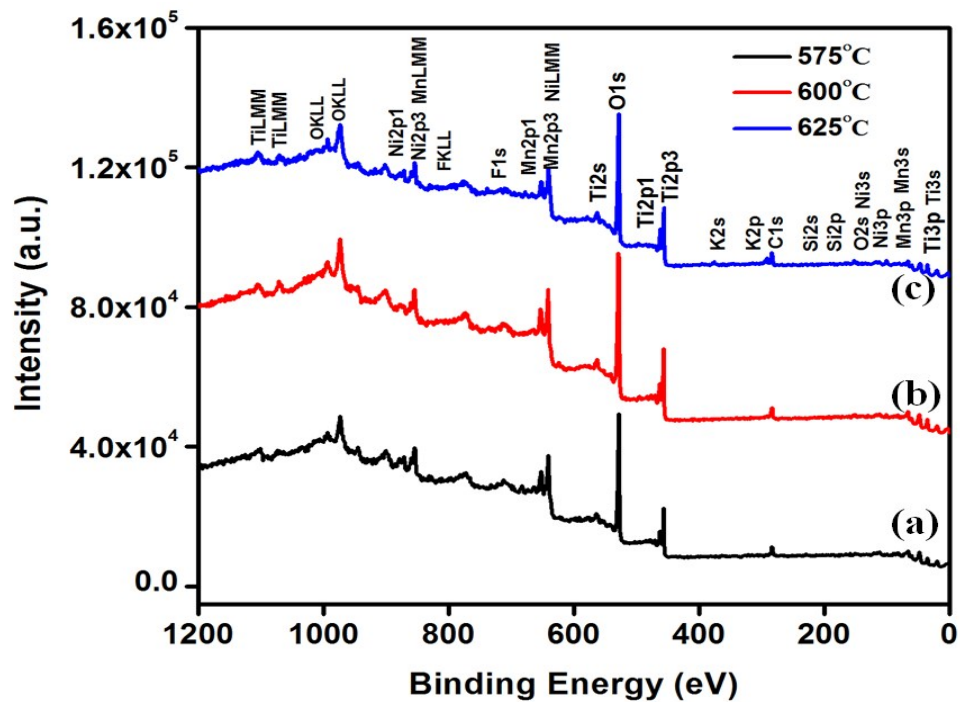


Figure S3. Survey scan XPS spectrum of $\text{Ni}_3\text{Mn}_3\text{Ti}_6\text{O}_{18}$ thin film deposited on FTO substrate by AACVD at (a) 575, (b) 600 and (c) 625 °C for 45 minutes under Ar atmosphere.