

Electronic Supplementary Information

Iron-Manganese-Titanium (1:1:2) Oxide composite Thin Films for Improved Photocurrent Efficiency

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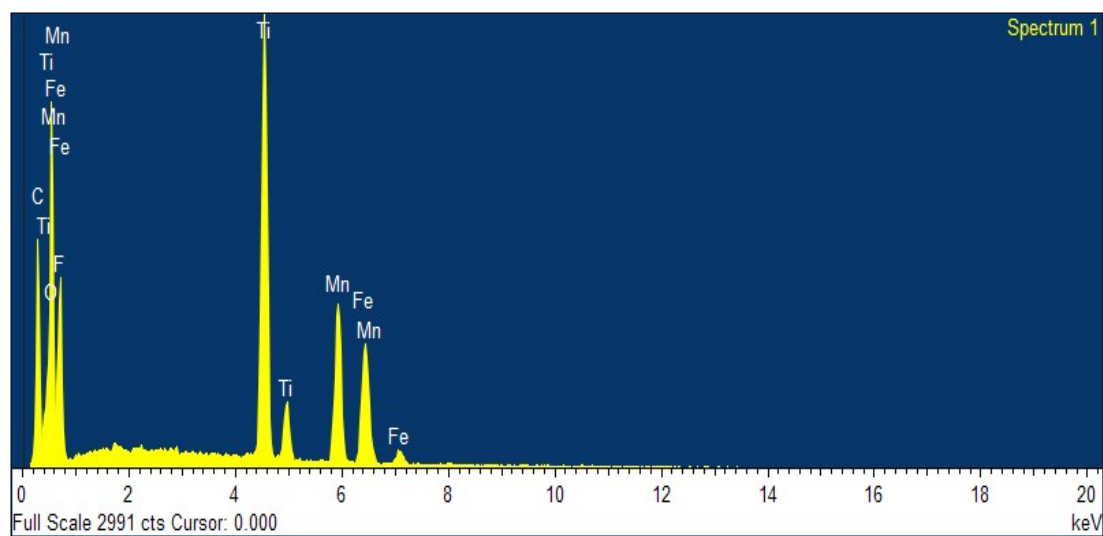


Fig. S1: EDX of $\text{Fe}_2\text{MnTi}_3\text{O}_{10}$ - MnTiO_3 composite thin films.

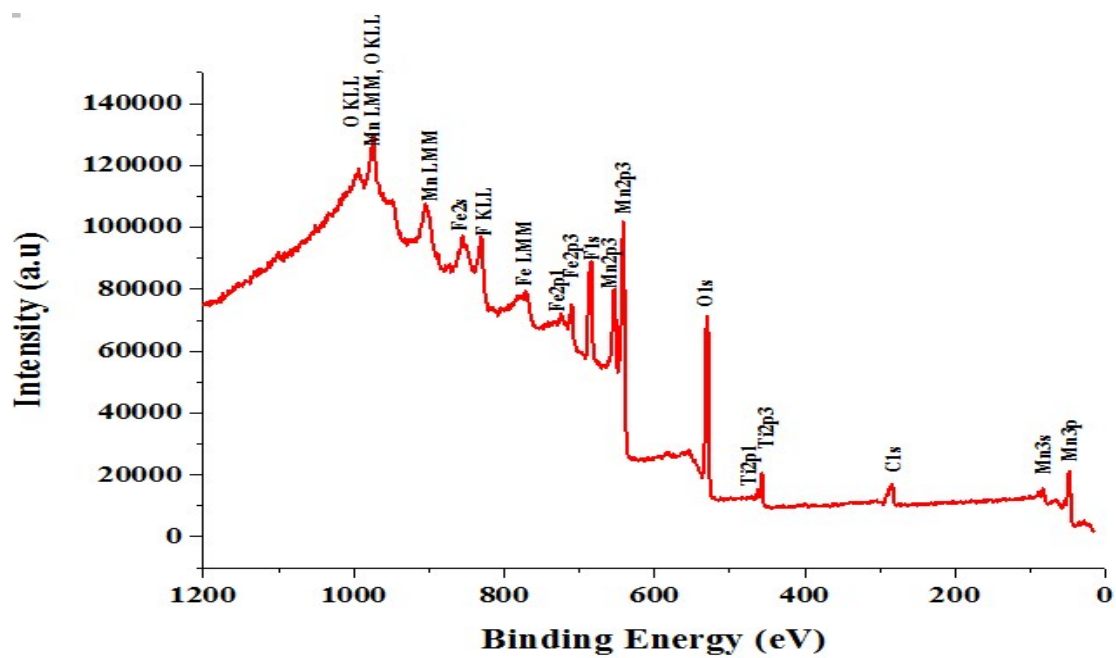


Fig. S2: XPS survey scan of $\text{Fe}_2\text{MnTi}_3\text{O}_{10}$ - MnTiO_3 composite thin films.

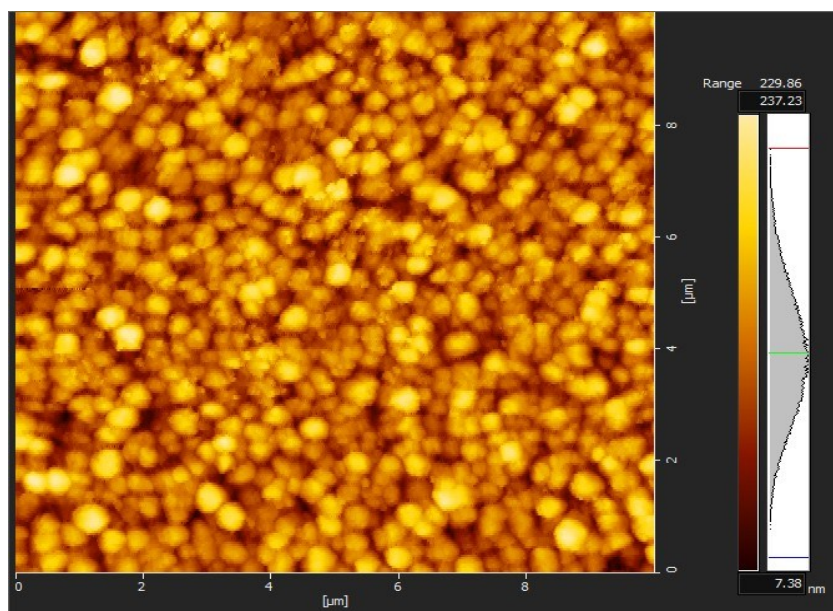


Fig. S3: 2D AFM view of $\text{Fe}_2\text{MnTi}_3\text{O}_{10}$ - MnTiO_3 composite thin films.

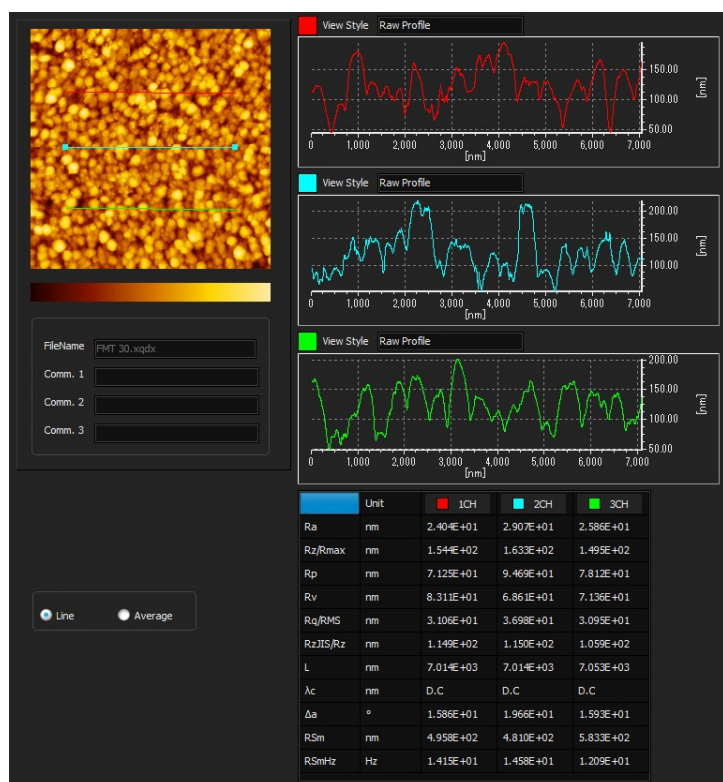


Fig. S4: Layout of surface roughness calculations of $\text{Fe}_2\text{MnTi}_3\text{O}_{10}$ - MnTiO_3 composite thin films.

Table S1:Summary of the results of the Nyquist plot.

	R_s (Ohm)	R_{ct} (Ohm)	$ Z $	ω_{max} (Hz)	τ_n , (ms)
Dark	27.63	36.53	45.25	125.189	1.26
Light	27.65	18.22	41.10	50.11	3.17