

Flexibility of the indium tin oxide transparent conductive film deposited onto the plastic substrate

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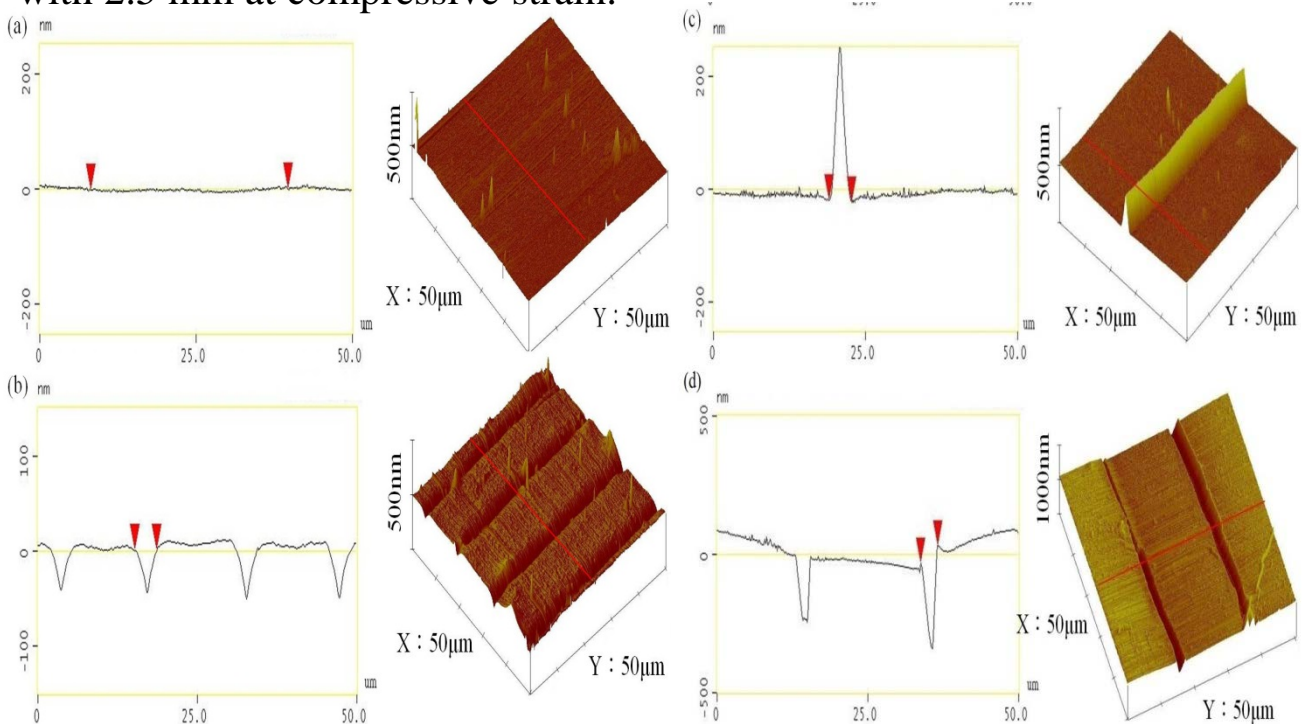
技術內容

Indium tin oxide (ITO) transparent conductive film prepared using radio frequency (rf) magnetron sputtering system was deposited onto the polyethylene terephthalate (PET) flexible plastic substrate.

The flexibility was tested using a home-made bending test instruments under tensile/compressive strain bending test and its stability was measured using the cycle bending test.

技術圖片

AFM images of ITO films at (a) non-bending (b) bending with 2.5 mm at tensile strain, (c) bending with 10 mm compressive strain and (d) bending with 2.5 mm at compressive strain.



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