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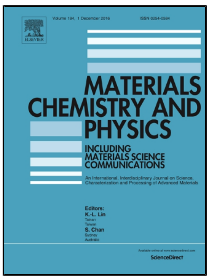

The influence of nanoporous anodic titanium oxide substrates on the growth of the crystalline hydroxyapatite coatings

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Highlights:

- We fabricated the nanotubular TiO_2 arrays by electrochemical anodic oxidation of titanium
- We investigated the growth of hydroxyapatite coatings on nanotubular TiO_2 substrates
- The crystallization of hydroxyapatite was performed by chelate decomposition method
- The efficiency of apatite formation depends on TiO_2 substrate morphology and crystallinity

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