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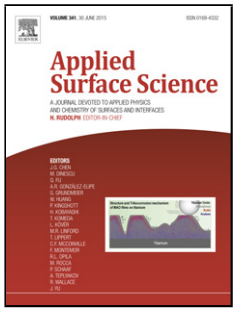

Title: Electrochemical properties of Ti^{3+} Doped Ag-Ti Nanotube Arrays Coated with Hydroxyapatite

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Electrochemical properties of Ti^{3+} Doped Ag-Ti Nanotube Arrays Coated with Hydroxyapatite

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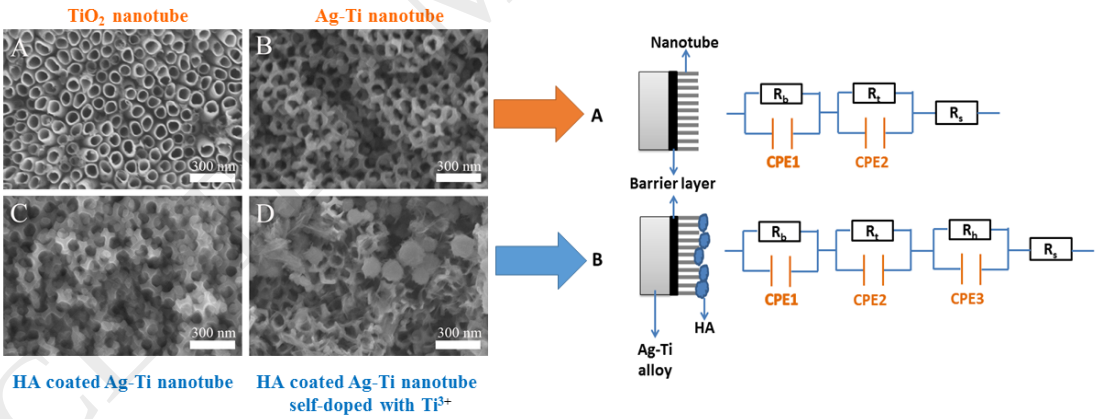
Graphical Abstract



Ag-Ti nanotube array was prepared and uniform hydroxyapatite (HA) was electrochemically deposited on the nanotubes. It's found that the Ti^{3+} can promote the grow rate of hydroxyapatite coating on nanotube surface and the hydroxyapatite coated nanotube with Ti^{3+} exhibit excellent stability and higher corrosion resistance.