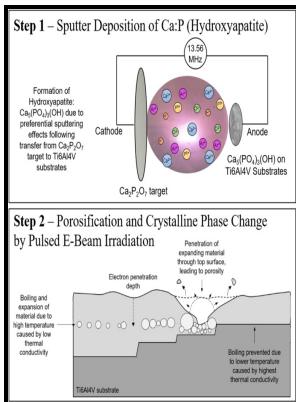


Composition, structure and properties of sputter deposited calcium phosphate thin films.

The Author] - The influence of the deposition parameters on the properties of an rf



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Structure, solubility and bond strength of the as-sputtered and heat treated coatings were evaluated.

The influence of the deposition parameters on the properties of an rf

The following conclusions were made from this study: 1.

Structure, solubility and bond strength of thin calcium phosphate coatings produced by ion beam sputter deposition.

DISCUSSION Calcium-phosphorus coatings potential to improve prosthetic are bioactive and have the adhesion in the biological Calcium phosphate coatings: J. These difference in thickness of the oxide layer suggested a possible explanation for the difference in bond strength between these quenched coatings. These results indicated that the sintering temperature needed to be raised to 1000 °C.

The influence of target stoichiometry on the surface properties of sputter deposited calcium phosphate thin films

The equipment was calibrated with a standard apatite. Moreover, the CaO phase also appears in all the coatings. Less frequent studies involve tetracalcium phosphate , , calcium pyrophosphate , and calcium metaphosphate.

The influence of target stoichiometry on the surface properties of sputter deposited calcium phosphate thin films

It is possible to control the elemental composition of coatings by sintering the sputtering targets from homogeneous mixtures of phosphates.

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