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Title: Strontium solar glass

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For example, there's significant interest in glasses made with strontium oxide and rare earth ions for their ability to emit light. Qiu et al. [4] conducted a study aimed at improving ...

At the expense of CaO, CuO and SrO were added to the glass compositions. CuO and SrO were used for their highly antibacterial effects and bioactivity enhancement.

Strontium ion plays an important function in the process of bone remodeling, promoting the proliferation and differentiation of pre-osteoblastic cells into osteoblasts while inhibiting ...

Since their discovery, several glass compositions have been developed to improve the properties and clinical abilities of traditional bioactive glass. ...

Results revealed that the investigated glasses were superior to be used as shield materials. Borate-based glass is made by adding the appropriate alkali or alkali earth ...

In the present study, the effects of calcination temperature (400-650 °C) and the amount of strontium addition (0-7 mol.%) were investigated simultaneously. The sol-gel ...

In the present study, we provide a comprehensive overview of Sr-containing glasses along with the current state of their clinical use.

Addition of strontium did not result in any structural alteration of the glass network due to the similar role of SrO compared with that of CaO. The density increased with strontium ...

Solid state nuclear magnetic resonance and vibrational spectroscopy showed that the glasses were predominantly composed of Q<sub>2</sub> silicate chains. Addition of strontium did not ...

Since their discovery, several glass compositions have been developed to improve the properties and clinical abilities of traditional bioactive glass. Different inorganic ions, such as strontium (Sr ...

The purpose of this article is to highlight some recent in vitro and in vivo studies of bioactive glasses containing strontium and to review selected literature on the in vitro and in ...

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