



EPR and SAXS studies of a TiO₂-based gel

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Résumé en anglais	The response of a photosensitive TiO ₂ -based gel to UV light is described. Upon irradiation, the gel adsorbs light at 365 nm and becomes dark blue due to the transformation of the Ti ⁴⁺ centers into Ti ³⁺ . This behavior is revealed using electron paramagnetic resonance spectroscopy as a function of the gel chemical composition. The structure of the TiO ₂ network is studied by small angle x-ray scattering.
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