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A Study of Optical, Structural properties of V_2O_5 Thin Films for Light Transmission

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Abstract: Vanadium pent oxide nano composites are prepared using hydrothermal process. The morphological behaviour like crystalline structure, chemical composition are studied using XRD, SEM and Raman analysis. From the results of them, the orthorhombic structure is confirmed. The optical transmission were studied using spectrophotometer. The information is carried by photons in the form of light. The transmission rate of light by varying the temperature is studied.
Keywords: Vanadium pent oxide, hydrothermal process, Surface morphology, Optical transmission.

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