

PRILEPOV, V., GASIN, P., CHIRITA, A. MIDONI, V., SPOIALA, D., KETRUSH, P. Technology of vanadium and its oxides based nanocomposite structures. In : Journal of Optoelectronics and Advanced Materials. 2014, Vol. 16, Nr. 1-2, pp. 227-231. ISSN 1454 - 4164.

The peculiarities of vanadium and its oxides based nanocomposite structures fabrication are brought in this paper. Theselected fabrication technological conditions allow creating a V₂O₅ based dielectric matrix in which conducting clusters are uniformly distributed. Some optical and electrical properties of such structures are presented. It was shown that the obtained layers possess high charge sensitivity.