

OPTICAL PROPERTIES OF CERIUM DOPED ZINC OXIDE STRUCTURES ON THE MOLYBDENUM SURFACE OF OBTAINED BY MICROVAWE ASSISTED METHOD

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Research devoted to the study of the optical properties and morphology of the composite material based on cerium-doped zinc oxide on the surface of the molybdenum oxide film. The colloid solution was treated with microwave irradiation, sonicated and applied to the metal surface by the method of spincoating. The obtained samples were dried with a systematic increase in temperature to the temperature at which the growth of the molybdenum oxide film began, then further maintained for several hours and studied by electron microscopy and fluorescence. The obtained samples were dried with a systematic temperature increase until the beginning of the growth of the oxide film of molybdenum, with the aim of activating the growth of germinal grains, further maintained for several hours and studied by electron microscopy and fluorescence spectroscopy.

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