

ABSTRACT

Degree work: 81 pages, 22 figures, 10 tables, 52 references.

The aim of the work: to study interdiffusion and thermal stability in Ag/Ti thin double layer system.

The object of the research: double layer composition of nanoscale structures of Ag-Ti during annealing.

Methods: a method of electron microscopy to the light and electron diffraction.

Practical value: The results have practical use in technological processes of experiments in biomedicine.

The novelty of work: By the method of electron microscopy investigated interdiffusion and thermal stability of the nanoscale structure of double-layer Ag / Ti, the obtained by condensation in a vacuum.

INTERDIFFUSION; THERMAL STABILITY; NANOSCALE; Ag / Ti;
SPUTTERING; DOUBLE LAYER; MICROSTRUCTURE; ELECTRON
DIFFRACTION.