

J.Fedotova, J.Kasiuk, J.Przewoznik, Cz. Kapusta, I.Svito, Yu.Kalinin, A.Sitnikov. Effect of oxide shells onto magnetic and magnetotransport characteristics of FeCoZr nanogranules in Al₂O₃ // J. All. Comp. – 2011. – Vol. 509. – P. 9869.

The paper reports on the results of a comparative study of magnetic and magnetotransport properties of granular nanocomposite films FeCoZr-Al₂O₃ synthesized in pure Ar and Ar+O sputtering atmosphere. Effects of oxygen incorporation on the temperature and magnetic field dependencies of magnetization and electrical resistance of the films are discussed with respect to the “core-shell” structure formation. Peculiarities of coercive force variation with temperature are analyzed and discussed.

[Назад к списку публикаций](#)