

Publikationen

- (2014): Method of film electret production involves application of fluoropolymer layer onto metal electrode.
- (2014): Method of film electret production, involves application of fluoropolymer layer onto metal electrode and discrete layer consisting of isolated nano-sized aggregates out of titan-containing nanostructures onto fluoropolymer surface.
- (2011): Electret Properties of Polyethylene Films Modified with Titanium Tetrachloride Vapor. In: Proceedings of the 14th International Symposium on Electrets (ISE11), Piscataway, NJ, USA. DOI: 10.1109/ISE.2011.6085007.
- (2009): Electret phenomenon in non-polar polymers with element-containing nanocomplexes on the surface. In: Proceeding of the VI Conference "Young Scientists 2009", St. Petersburg, Russia.
- (2007): Influence of Chemical Modification of the Surface of Low-Density Polyethylene on Its Electret Properties. In: Russian Journal of Applied Chemistry, vol. 80, no. 3, pp. 461-465. DOI: 10.1134/S1070427207030214.
- (2007): Phenomenon of electret charge stabilization in polytetrafluoroethylene films with chemically modified surface. (in Russian). In: Izvestiya RGPU: Scientific Journal, vol. 7, no. 26, pp. 137-142.
- (2006): Energy spectrum of surface states in LDPE films modified with PCI3 vapours. In: Proceedings of the 3rd International Conference "Surface Chemistry and Nanotechnology".
- (2006): Electret materials based on non-polar polymers with surface phosphorus-containing nanostructures. (in Russian). In: Journal of Advanced Materials, vol. 2, pp. 19-25.
- (2005): Homocharge stability in low density polyethylene film electrets with surface phosphorus-containing nanostructures. In: Proceedings of the International Conference "Thin films and nanostructures".
- (2005): Electret phenomenon in non-polar fluoropolymers with phosphorus-containing nanostructures on the surface. In: Proceedings of the International Conference "Polycomtrib-2005".
- (2005): Corona-charged electrets from phosphorus chloride vapor modified non-polar polymers. In: Proceedings of the International Conference "Thin films and nanostructures".
- (2005): Electret phenomenon in non-polar fluoropolymers with phosphorus-containing nanostructures on the surface" Materials Technologies Instruments. (in Russian). In: Materials Technologies Instruments, vol. 10, no. 3, pp. 74-78.
- (2005): New electret materials based on polymers with modified surface and melt-blown polymers. (in Russian). In: Izvestiya RGPU: Scientific Journal, vol. 5, no. 13, pp. 204-219.
- (2004): The stability of polymer electrets with surface nanostructures in severe climatic conditions. In: Proceedings of the International Conference "Thin films and nanostructures".
- : Electret phenomenon in polymers with modified surface. In: Proceedings of the International Conference "Young Scientists-2006".