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**Field of interest :**

Nanocomposites of Polymers with Layered Inorganic Nanofillers : Antimicrobial Activity Thermo-mechanical Properties Publication

**Publication :**

1. Amornsakchai, T. and Songtipya, P., On the influence of molecular weight and crystallization condition on the development of defect in highly drawn polyethylene. *Polymer*, 2002. 43: p. 4231-4236.
2. Nyambo, C., Songtipya, P., Manias, E., Jimenez-Gasco, M. M., and Wilkie, C. A., Effect of MgAl-layered double hydroxide exchanged with linear alkyl carboxylates on fire-retardancy of PMMA and PS. *J. Mater. Chem.*, 2008. 18: p. 4827-4838.
3. Zhang, J., Manias, E., Polizos, G., Huh, J. Y., Ophir, A., Songtipya, P., and Jimenez-Gasco, M. M., Tailored polyethylene nanocomposite sealants: Broad-range peelable heat-seals through designed filler/polymer interfaces. *J. Adhesion Sci. Technol.*, 2009. 23: p. 709-737.
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5. Manzi-Nshuti, C., Songtipya, P., Manias, E., Jimenez-Gasco, M. M., Hossenlopp, J. M., and Wilkie, C. A., Polymer nanocomposites using zinc aluminum and magnesium aluminum oleate layered double hydroxides: Effects of LDH divalent metals on dispersion, thermal, mechanical and fire performance in various polymers. *Polymer*, 2009. 50: p. 3564-3574. Manzi-Nshuti, C., Songtipya, P., Manias, E., Jimenez-Gasco, M. M., Hossenlopp, J. M., and Wilkie, C. A., Polymer nanocomposites using zinc aluminum and magnesium aluminum oleate layered double hydroxides: Effects of the polymeric compatibilizer and of composition on the thermal and fire properties of PP/LDH nanocomposites. *Polymer Degradation & Stability*, 2009. 94: p. 2042-2054. Wang, X., Rathore, R; Songtipya, P., Jimenez-Gasco, M. M., Manias, E., and Wilkie, C.A., EVA-Layered Double Hydroxide (nano)composites: Mechanism of Fire Retardancy. *Polymer Degradation & Stability*, 2010, doi:10.1016/j.polymdegradstab.2010.03.014.