

Dr. Ricardo Herbé Cruz-Estrada

PUBLICATIONS (Original Research Papers)

1. Carlos R. Ríos-Soberanis, Rafael A. Ley-Bonilla, **Ricardo H. Cruz-Estrada**, Carlos V. Cupul-Manzano, Luis M. Rangel-Rodríguez, Alejandra Caballero-Can, “**Microstructure formation in polymer composites prepared with polypropylene and a polyaniline complex**”, *Polymer International*, **2009**, Vol. 58, No. 7, pp. 817-825 (Published Online: May 13 2009).
2. Carlos V. Cupul, **Ricardo H. Cruz**, Alejandra Caballero y Luis M. Rangel, “**Propiedades de Mezclas Extrudidas a base de Polietileno de Baja Densidad y Polianilina**”, *Información Tecnológica*, **2008**, Vol. 19, No. 2, pp. 69-79.
3. **R.H. Cruz-Estrada**, P. Fuentes-Carrillo, O. Martínez-Domínguez, G. Canché-Escamilla, C. García-Gómez, “**Obtención de Materiales Compuestos a base de Desechos Vegetales y Polietileno de Alta Densidad**”, *Revista Mexicana de Ingeniería Química*, **2006**, Vol. 5, Supl. 1, pp. 29-34.
4. C. Pérez-Navarrete, **R.H. Cruz-Estrada**, L. Chel-Guerrero, D. Betancur-Ancona, “**Caracterización Física de Extrudidos Preparados con Mezclas de Harinas de Maíz QPM (*Zea mays* L.) y Frijol Lima (*Phaseolus lunatus* L.)**”, *Revista Mexicana de Ingeniería Química*, **Agosto 2006** Vol. 5, No. 2, pp. 145-155.
5. **R.H. Cruz-Estrada** and C.V. Cupul-Manzano, “**Structure Formation in Polyaniline-based polymer Blends**”, *Journal of Materials Science*, **December 2005**, Vol. 40, No. 24, pp. 6571-6579.
6. **R.H. Cruz-Estrada**, “**On the Characterization of an Electrically Conductive Polyaniline Complex**”, *Journal of Materials Science*, **2004**, Vol. 39, No. 2, pp. 511-518.
7. **R.H. Cruz-Estrada** and M.J. Folkes, “**Structure Formation and Modelling of the Electrical Conductivity in SBS-Polyaniline Blends Part I: Percolation Theory Approach**”, *Journal of Materials Science Letters*, **2002**, Vol. 21, No. 18, pp. 1427-1429.
8. **R.H. Cruz-Estrada** and M.J. Folkes, “**Structure Formation and Modelling of the Electrical Conductivity in SBS-Polyaniline Blends Part II: Generalized Effective Media Theories Approach**”, *Journal of Materials Science Letters*, **2002**, Vol. 21, No. 18, pp. 1431-1434.
9. **R.H. Cruz-Estrada** and M.J. Folkes, “**In-situ Production of Electrically Conductive Fibres in Polyaniline-SBS Blends**”, *Journal of Materials Science*, **2000**, Vol. 35, No. 20, pp. 5065-5069.
10. Alfredo Marquez, Jorge Uribe and **Ricardo Cruz**, “**Conductivity Variation Induced by Solvent Swelling of an Elastomer-Carbon Black-Graphite Composite**”, *Journal of Applied Polymer Science*, **1997**, Vol. 66, No. 12, pp. 2221-2232.