



UNIVERSIDAD CARLOS III DE MADRID

TESIS DOCTORAL

MODIFICACIÓN SUPERFICIAL DE MATERIALES POLIMÉRICOS MEDIANTE FUENTES DE PLASMA FRÍO

Autora

Noemí Encinas García

Directores

Dr. Miguel Ángel Martínez Casanova
Dra. Juana Abenojar Buendia

Departamento de Ciencia e Ingeniería de Materiales e Ingeniería Química

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Publicación I:

N. Encinas, M. Pantoja, J. Abenojar, M.A. Martínez. *Control of wettability of polymers by surface roughness modification*. Journal of Adhesion Science and Technology, 24:11-12 (2010), pp. 1869-1883
URI: <http://hdl.handle.net/10016/22989>

Publicación II:

N. Encinas, B. Díaz-Benito, J. Abenojar, M.A. Martínez. *Extreme durability of wettability changes on polyolefin surfaces by atmospheric pressure plasma torch*. Surface & coatings technology, 205 (2010), pp. 396-402
URI: <http://hdl.handle.net/10016/22992>

Publicación III:

B. Díaz-Benito, F. Velasco, F.J. Martínez, N. Encinas. *Hydrolysis study of bis-1,2-(triethoxysilyl)ethane silane by NMR*. Colloids and surfaces A: physicochemical and engineering aspects, 369:1-3, (2010), pp. 53-56
URI: <http://hdl.handle.net/10016/22994>

Publicación IV:

N. Encinas, M. Pantoja, M. Torres-Remiro, and M.A. Martínez. *Approaches to poly(tetrafluoroethylene) adhesive bonding*, Presented in part at the 4th International Conference on Advanced Computational Engineering and Experimenting (ACE-X 2010), Paris, France, 8 9 July 2010. The journal of adhesion, 87:7-8 (2011), pp. 709-719
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Publicación V:

M. Pantoja, M. A. Martínez, J. Abenojar, N. Encinas and Y. Ballesteros. *Effect of EtOH/H₂O ratio and pH on bis-sulfur silane solutions for electrogalvanized steel joints based on anaerobic adhesives*, Presented in part at the 4th International Conference on Advanced Computational Engineering and Experimenting (ACE-X 2010), Paris, France, 8 9 July 2010. The journal of adhesion, 87:7-8 (2011), pp. 688-708
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Publicación VI:

N. Encinas, J. Abenojar, M.A. Martínez. *Development of improved polypropylene adhesive bonding by abrasion and atmospheric plasma surface modifications*. International Journal of adhesion & adhesives, 33 (2012), pp. 1-6
URI: <http://hdl.handle.net/10016/23082>

Publicación VII:

N. Encinas, R.G. Dillingham, B.R. Oakley, J. Abenojar, M.A. Martínez, and M. Pantoja. *Atmospheric pressure plasma hydrophilic modification of a silicone surface*, Presented in part at the 1st International Conference on Structural Adhesive Bonding (AB2011), Porto, Portugal, 7-8 July 2011. The journal of adhesion, 88:4-6 (2012), pp. 321-336
URI: <http://hdl.handle.net/10016/23090>