Universidad de Alcalá

PUBLICACIONES DERIVADAS DE LAS TESIS DEFENDIDAS EN EL PROGRAMA DE DOCTORADO EN HIDROLOGÍA Y GESTIÓN DE RECURSOS HÍDRICOS EN EL AÑO 2014

Doctorando	Julio José Lado Garrido
Tesis	Study of Asymmetric Capacitive Deionization Cells for Water Treatment Applications
Director/es	Eloy García Calvo / Marc A. Anderson
Fecha lectura	30/05/2014
Calificación	Sobresaliente *cum laude*

Lado, J.J., Pérez-Roa, R.E., Wouters, J.J., Tejedor-Tejedor, M.I., Federspill, C., Ortiz, J.M., Anderson, M.A. (2017) Removal of nitrate by asymmetric capacitive deionization. Separation and Purification Technology, 183, 145-152.

Lado, J.J., Pérez-Roa, R.E., Wouters, J.J., Tejedor-Tejedor, M.I., Federspill, C., Anderson, M.A. (2015) Continuous cycling of an asymmetric capacitive deionization system: An evaluation of the electrode performance and stability. Journal of Environmental Chemical Engineering,, 3 (4), 2358-2367

Lado, J.J., Pérez-Roa, R.E., Wouters, J.J., Tejedor-Tejedor, M.I., Anderson, M.A. (2014) Evaluation of operational parameters for a capacitive deionization reactor employing asymmetric electrodes, Separation and Purification Technology, 133, 236-245.

Wouters, J.J., **Lado, J.J**., Tejedor-Tejedor, M.I., Perez-Roa, R., Anderson, M.A. (2013) Carbon fiber sheets coated with thin-films of SiO2 and γ-Al2O3 as electrodes in capacitive deionization: Relationship between properties of the oxide films and electrode performance, Electrochimica Acta, 112, 763-773.

García-Quismondo, E.; Santos, C.; **Lado, J.;** Palma, J.; Anderson, M.A. (2013) Optimizing the energy efficiency of capacitive deionization reactors working under real-world conditions. Environmental Science & Technology, 47, 11866-11872

Lado, J.J., García-Calvo, E., Wouters, J.J., Tejedor-Tejedor, M.I., Anderson, M.A. (2013) Asymmetric Capacitive Deionization Utilizing Low Surface Area Carbon Electrodes Coated with Nanoporous Thin-Films of Al2O3 and SiO2. Journal of the Electrochemical Society, 160 (8), 71-78

Jesse J. Wouters, **Julio J. Lado**, M. Isabel Tejedor-Tejedor and Marc A. Anderson. (2012) Low Surface Area Carbon Fiber Electrodes Coated With Nanoporous Thin-Films of □–Al2O3 and SiO2: Relationship Between Coating Conditions, Microstructure and Double Layer Capacitance. Journal of Electrochemical Society. 2012, Volume 159, Issue 8, 1374-1382