



From Monday, October 21 to Wednesday, October 23

Poster Sessions

All poster communications will be presented in both Poster Session 1 and 2

Adsorption

C.O. Ania	Screening of nanoporous carbons for the storage and separation of strategic gas mixtures	P1
A. Castro-Muñiz	CO ₂ capture by mesoporous carbons produced from low value coal tar-derived products	P2
J. Silvestre-Albero	Confinement Effects in the Formation of Ice/Gas Hydrate Nanocrystals evaluated using differential scanning calorimetry (DSC)	P3
M.A. Lillo-Ródenas	Adsorption of organic compounds on lignocellulosic-derived spherical activated carbons	P4
M. Ouzzine	High-Surface Area Zeolite Templated Carbon (ZTC) Materials for Methane Storage	P5
A. Benyoucef	Surface functionalization of activated carbon fibre from Opuntia Ficus-Indica for enhanced adsorption of herbicide from aqueous solutions	P6
A. Carvalho	Biochars as matrix for slow release urea	P7

Carbon materials

A. Belmokhtar	Surface functionalization of (o-phenylenediamine)-co-Aniline and these properties	P8
A. Arenillas	Optimization of carbon structure in xerogels for different electrochemical applications	P9
A. Arenillas	Influence of polymerization conditions on carbon xerogels porous structure	P10
W. Bencheikh	synthesis and characterization of activated carbons from Algerian coal	P11
L. Duclaux	Preparation and characterization of activated carbons from Baobab and Balanites shell stones and their use for diazinon removal	P12
J. Rivera-Utrilla	Waste Marble Dust: An Interesting Residue to produce Cement	P13
A. Casanova	A novel two-step method for the synthesis of nitrogen-doped graphene by atmospheric-pressure microwave plasma	P14
B. Martínez-Sánchez	Effect of the Isomer in the Electrochemical Incorporation of N and P Functionalities in Carbon Nanotubes	P15
B. Ferrandez-Gómez	Effect of electrode composition and electrolyte flow in electrochemical regeneration of activated carbon in a kilogram batch reactor	P16
S. Beaumont	Electrochemical regeneration of spent activated carbons used in different industries.	P17

Graphene based materials

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S.G. Stolyarova	N-doped holey graphene as a platform for efficient anode materials of Li-ion batteries.	P20
V.I. Sysoev	Impact of fluorination degree on sensor behavior of graphene films	P21

Supercapacitors

E. Pameté Yambou	Hybrid capacitor with anthraquinone grafted carbon operating in low pH aqueous salt solution as faradaic battery-like component	P22
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J. Chaparro	Activated carbons prepared through activation of biomass with H ₃ PO ₄ : Applicability as electrodes of electrochemical capacitors	P26
N. Quintanal	Double layer formation of ionic liquids on different carbon surfaces	P27
M.J. Mostazo	Improvement of the Performance of Superactivated Carbon-Based Electrochemical Capacitors by Adsorption of Metallacarboranes	P28
I. Martin-Gullon	Low electrolyte diffusion on high surface area and spherical shaped activated carbons from bourbon waste	P29
G. Carrasco	Transitioning from binary PILs to zwitterionic-based ternary PILs to obtain liquid electrolytes at room temperature with enhanced electrochemical stability window	P30

Batteries

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