## **Accepted Manuscript**

Non-porous carbonaceous materials derived from coffee waste grounds as highly sustainable anodes for lithium-ion batteries

Fernando Luna-Lama, Daily Rodríguez-Padrón, Alain R. Puente-Santiago, Mario J. Muñoz-Batista, Alvaro Caballero, Alina M. Balu, Antonio A. Romero, Rafael Luque

Cleaner Production

PII: S0959-6526(18)33032-4

DOI: 10.1016/j.jclepro.2018.10.024

Reference: JCLP 14426

To appear in: Journal of Cleaner Production

Received Date: 14 June 2018
Revised Date: 1 October 2018
Accepted Date: 3 October 2018

Please cite this article as: Luna-Lama F, Rodríguez-Padrón D, Puente-Santiago AR, Muñoz-Batista MJ, Caballero A, Balu AM, Romero AA, Luque R, Non-porous carbonaceous materials derived from coffee waste grounds as highly sustainable anodes for lithium-ion batteries, *Journal of Cleaner Production* (2018), doi: https://doi.org/10.1016/j.jclepro.2018.10.024.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

### ACCEPTED MANUSCRIPT

# Non-porous carbonaceous materials derived from coffee waste grounds as highly sustainable anodes for lithium-ion batteries

Fernando Luna-Lama, [a] †Daily Rodríguez-Padrón, [b] † Alain R. Puente-Santiago, [b]\* Mario J. Muñoz-Batista, [b] Alvaro Caballero, [a] Alina M. Balu, [b] Antonio A. Romero, [b] Rafael Luque [b,c]\*

[a]Departamento de Química Inorgánica e Ingeniería Química, Instituto de Química Fina y Nanoquímica, Universidad de Córdoba, Campus de Rabanales, Edificio Marie Curie (C-3), Ctra Nnal IV-A, Km 396, E14014, Cordoba, España.

<sup>[b]</sup> Departamento de Química Orgánica, Instituto de Química Fina y Nanoquímica, Universidad de Córdoba, Campus de Rabanales, Edificio Marie Curie (C-3), Ctra Nnal IV-A, Km 396, E14014, Cordoba, España.

<sup>[c]</sup>Peoples Friendship University of Russia (RUDN University), 6 Miklukho-Maklaya str., 117198, Moscow, Russia.

<sup>‡</sup>These authors contributed equally to the work.

## Download English Version:

# https://daneshyari.com/en/article/11011091

Download Persian Version:

https://daneshyari.com/article/11011091

<u>Daneshyari.com</u>