

## Synthesis and Characterisation of Core–Shell Microparticles Formed by Ni-Mn-Co Oxides

Javier García-Alonso <sup>1</sup>, Svitlana Kruger <sup>2</sup>, Bilge Saruhan <sup>2</sup>, David Maestre <sup>1,\*</sup>  
and Bianchi Méndez <sup>1</sup>

<sup>1</sup> Departamento de Física de Materiales, Facultad de CC. Físicas, Universidad Complutense de Madrid, 28040 Madrid, Spain; jgarc13@ucm.es (J.G.-A.)

<sup>2</sup> Institute of Materials Research, German Aerospace Center (DLR e.V.), Linder Hoehe, 51147 Cologne, Germany

\* Correspondence: dmaestre@ucm.es

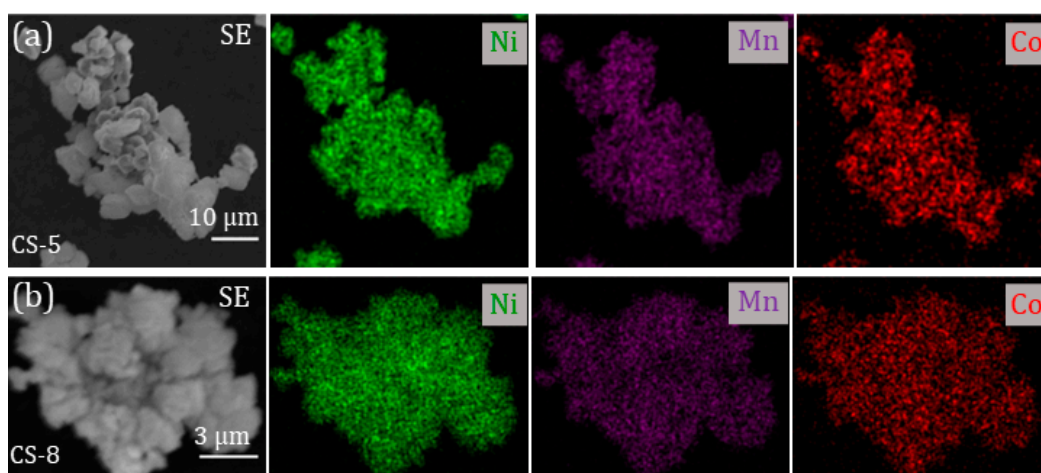


Figure S1. SEM images of (a) CS-5 and (b) CS-8 samples and their corresponding Ni, Mn, and Co compositional mappings.

**Table S1:** Average at. % values acquired in diverse regions of the microparticles of the C-5, CS-5, and CS-8 samples.

| Sample | Analysed region | Ni (at. %)     | Mn (at. %)    | Co (at. %)    | O (at. %)      |
|--------|-----------------|----------------|---------------|---------------|----------------|
| C-5    | Core            | $40.8 \pm 1.4$ | $4.7 \pm 0.8$ | $4.7 \pm 0.8$ | $49.8 \pm 2.3$ |
| CS-5   | Crack           | $20.7 \pm 2.7$ | $4.9 \pm 1.8$ | $3.5 \pm 1.5$ | $70.8 \pm 3.2$ |
|        | Edge            | $7.4 \pm 5.4$  | $3.0 \pm 4.4$ | $1.0 \pm 2.0$ | $88.5 \pm 2.6$ |
| CS-8   | Crack           | $33.5 \pm 1.6$ | $7.5 \pm 1.1$ | $4.7 \pm 0.8$ | $49.2 \pm 2.2$ |
|        | Edge            | $23.1 \pm 2.3$ | $8.0 \pm 1.7$ | $4.6 \pm 1.2$ | $64.3 \pm 2.9$ |