

Supplementary Materials: Novel Ni-Ce-Zr/Al₂O₃ Cellular Structure for The Oxidative Dehydrogenation of Ethane.

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Supplementary information.

Figure S1 shows the SEM micrograph and EDX mapping of the as prepared cellular catalyst. The elemental analysis showed that the active phase was spread homogeneously onto the substrate. Furthermore, according to semi-quantitative analyzes performed at several sectors of the monolith the Ni, Ce and Zr relative ratios were near the theoretical ones (not shown). Therefore, the impregnation procedure resulted satisfactory to obtain a suitable catalyst, despite the small cracks (<2 µm) observed in the micrograph that might have been generated after impregnation, during the drying and calcination procedures.

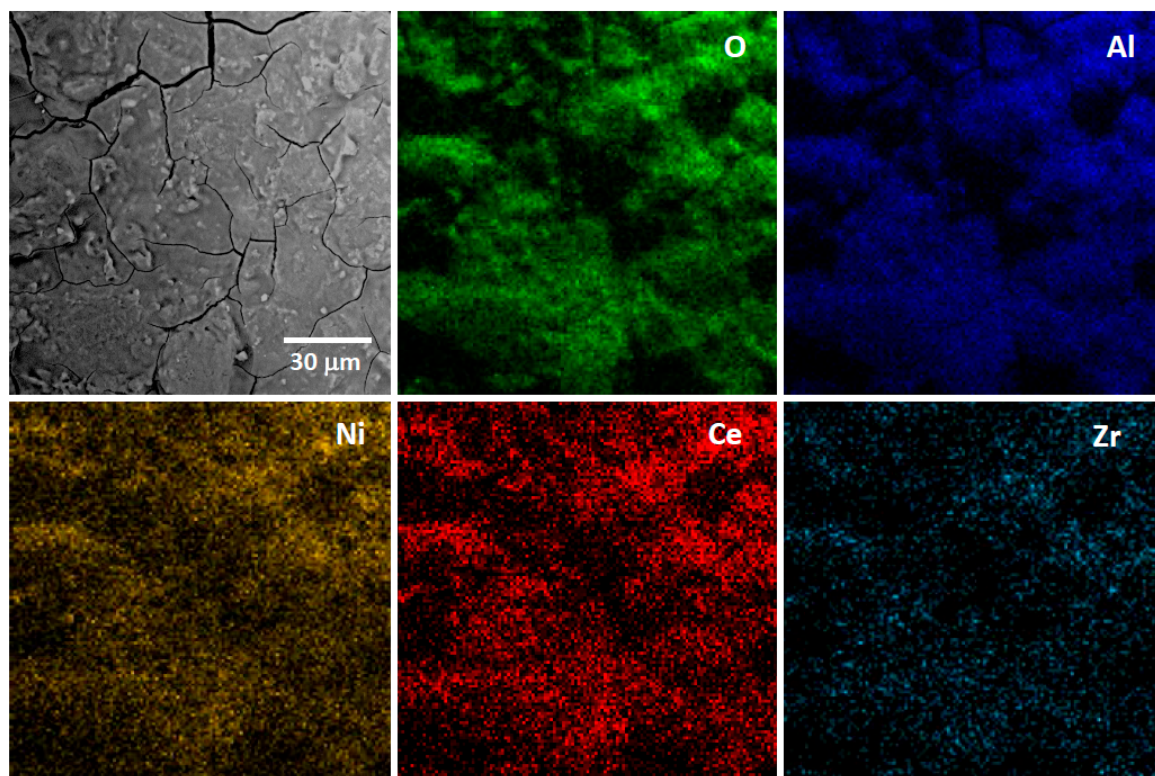


Figure S1. SEM micrographs of the cellular catalyst and distribution of the elements (mapping).