

## **Publications list:**

1. *April 2022:*

“Mesoporous Ce–Fe–Ni nanocomposites encapsulated in carbon-nanofibers: Synthesis, characterization and catalytic behavior in oxygen evolution reaction”.

**Consolato Rosmini**; Tanya Tsoncheva; Daniela Kovatcheva; Nikolay Velinov; Hristo Kolev; Daniela Karashanova; Momtchil Dimitrov; Boyko Tsyntarski; David Sebastián; María Jesús Lázaro. *Carbon*, 2022, ISSN:0008-6223, Vol:196, Page:186-202.

DOI10.1016/j.carbon.2022.04.036

2. *December 2021:*

“Nickel-Decorated Mesoporous Iron–Cerium Mixed Oxides: Microstructure and Catalytic activity in Methanol Decomposition”.

Tanya Tsoncheva , **Consolato Rosmini**, Mihail Mihaylov, Jiří Henych, Kristina Chakarova, Nikolay Velinov, Daniela Kovacheva, Zuzana Němečková, Martin Kormunda, Radostina Ivanova, Ivanka Spassova, and Konstantin Hadjiivanov. *ACS Appl. Mater. Interfaces*, 2021, 14, 1, 873–890, [doi.org/10.1021/acsami.1c19584](https://doi.org/10.1021/acsami.1c19584).

3. *December 2020:*

“Formation of Catalytic Active Sites in Hydrothermally Obtained Binary Ceria–Iron Oxides: Composition and Preparation Effects”.

Tanya Tsoncheva, **Consolato Rosmini**, Momtchil Dimitrov, Gloria Issa, Jiri Henych, Zuzana Němečková, Daniela Kovacheva, Nikolay Velinov, Genoveva Atanasova, and Ivanka Spassova. *ACS Applied Materials & Interfaces* 2021 13 (1), 1838-1852 DOI: 10.1021/acsami.0c16326