

Supplementary Information for

**Nickel on Oxidatively Modified Carbon as a Promising
Cost-Efficient Catalyst for Reduction of *P*-Nitrophenol**

Shamil Galyaltdinov ¹, Anna Svalova ¹, Vasiliy Brusko ¹, Maria Kirsanova ² and Ayrat M. Dimiev ^{1,*}

¹ Laboratory for Advanced Carbon Nanomaterials, Chemical Institute, Kazan Federal University, Kremlyovskaya Str. 18, 420008 Kazan, Russia

² Advanced Imaging Core Facility, Skolkovo Institute of Science and Technology, 121205 Moscow, Russia

* Correspondence: amdimiev@kpfu.ru

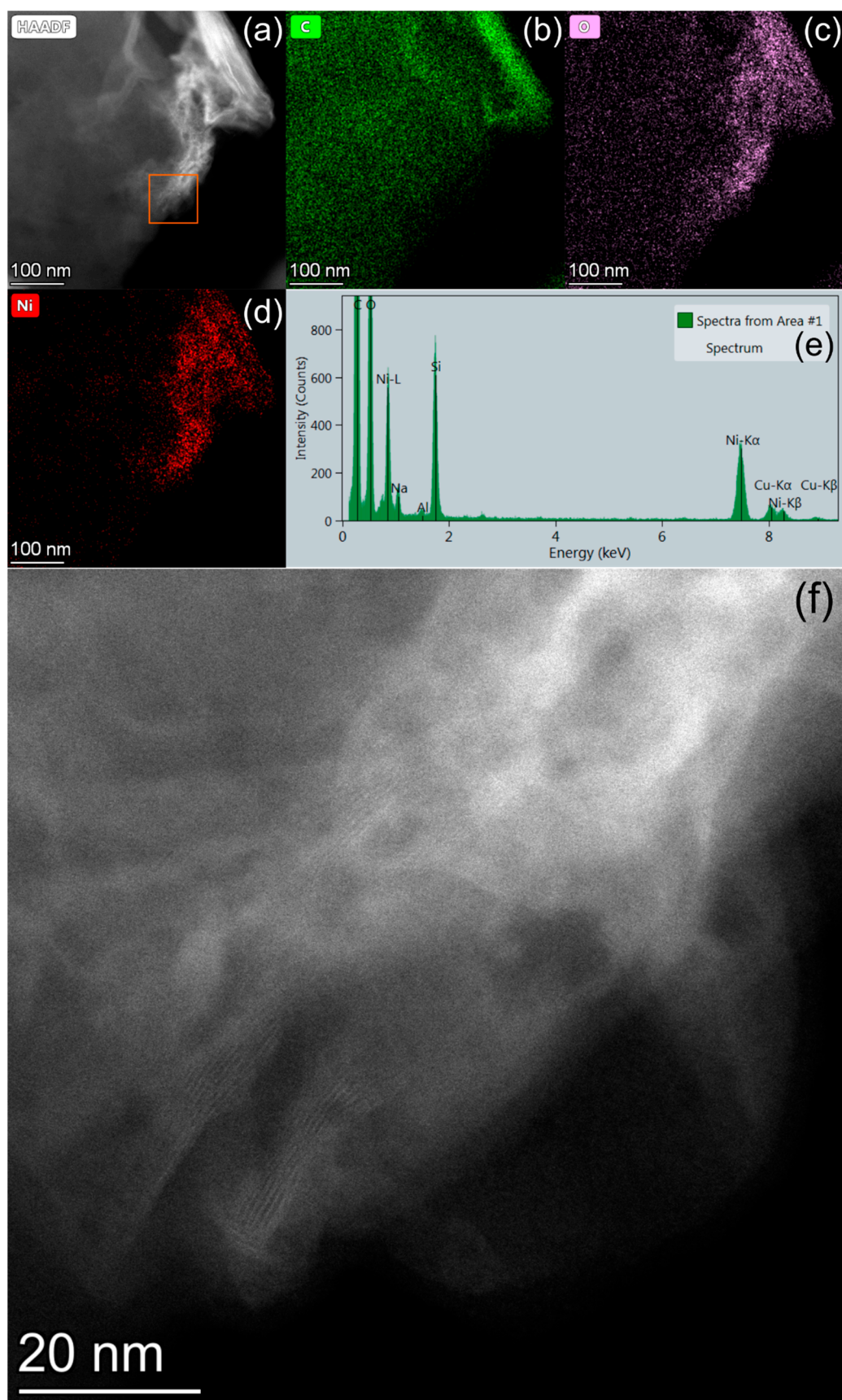


Figure S1. The EDX mapping of a selected area of an rOMC/Ni particle. (a) the HAADF image; (b) – (d) the mapping for C, O, and Ni; (e) the spectrum; (f) the higher magnification image from the area shown by yellow square on panel (a).

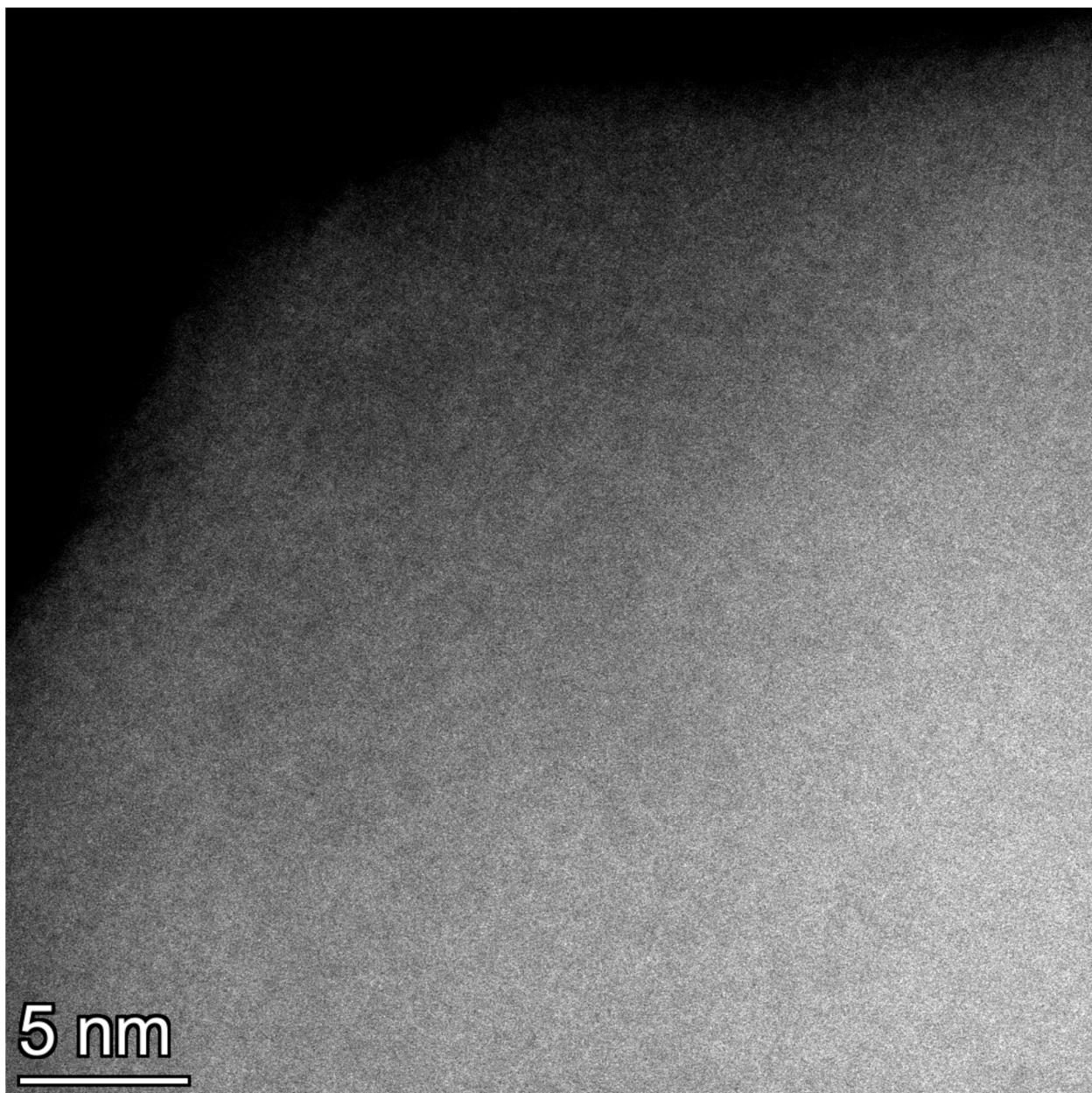


Figure S2. The high magnification HAADF-STEM image from the selected area of the rOMC/Ni sample.

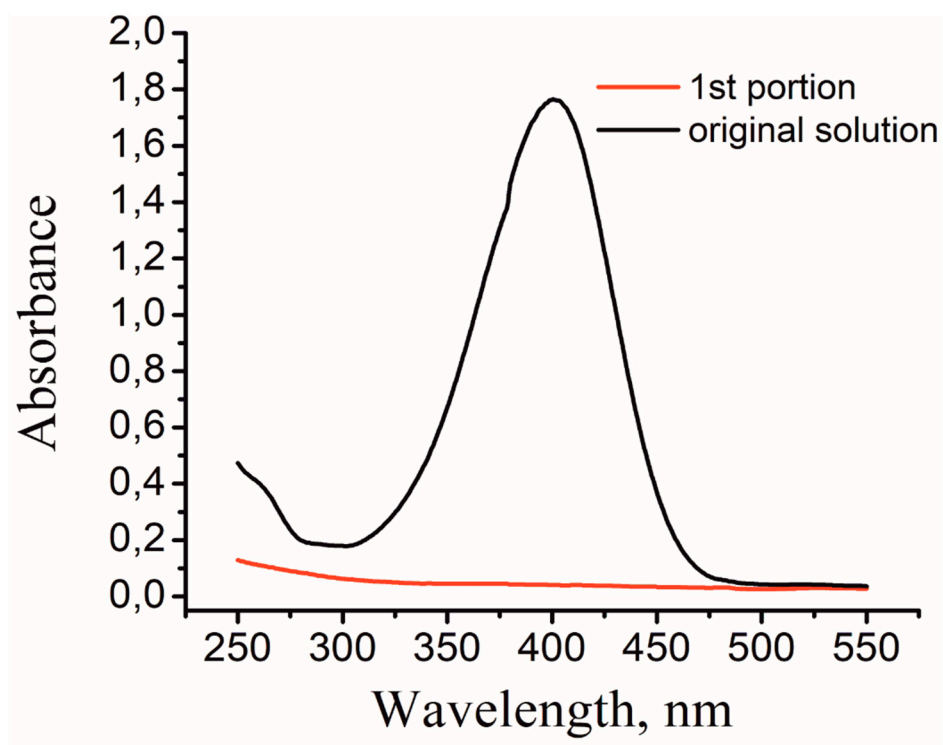


Figure S3. The UV-Vis spectra of the original **mixture 1** and the first portion of its reduction product.

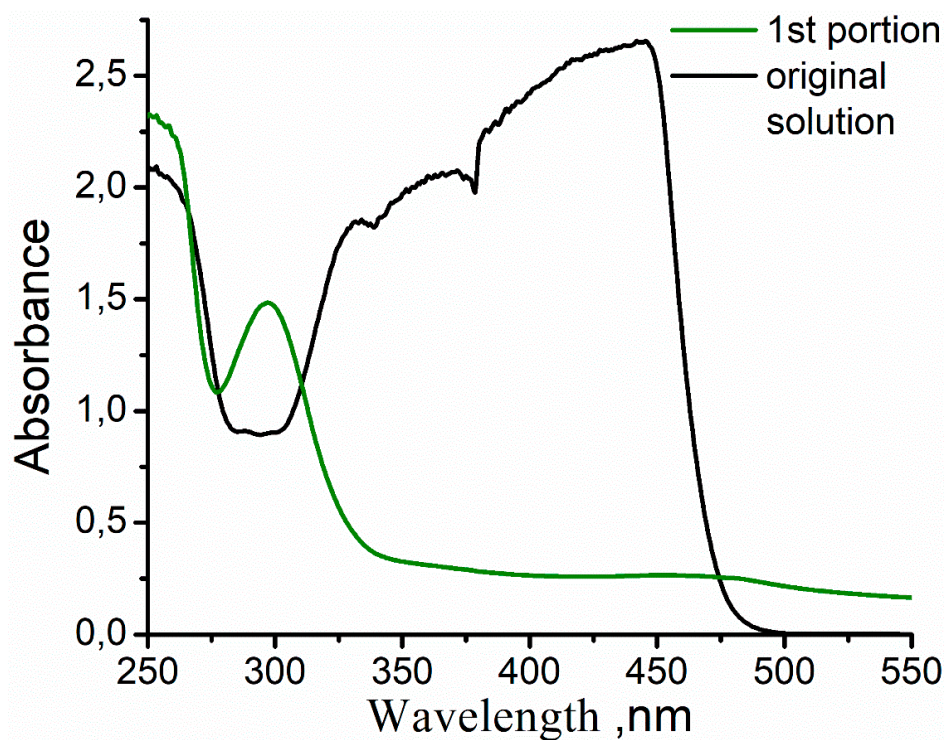


Figure S4. The UV-Vis spectra of the original **mixture 2** and the first portion of its reduction product.

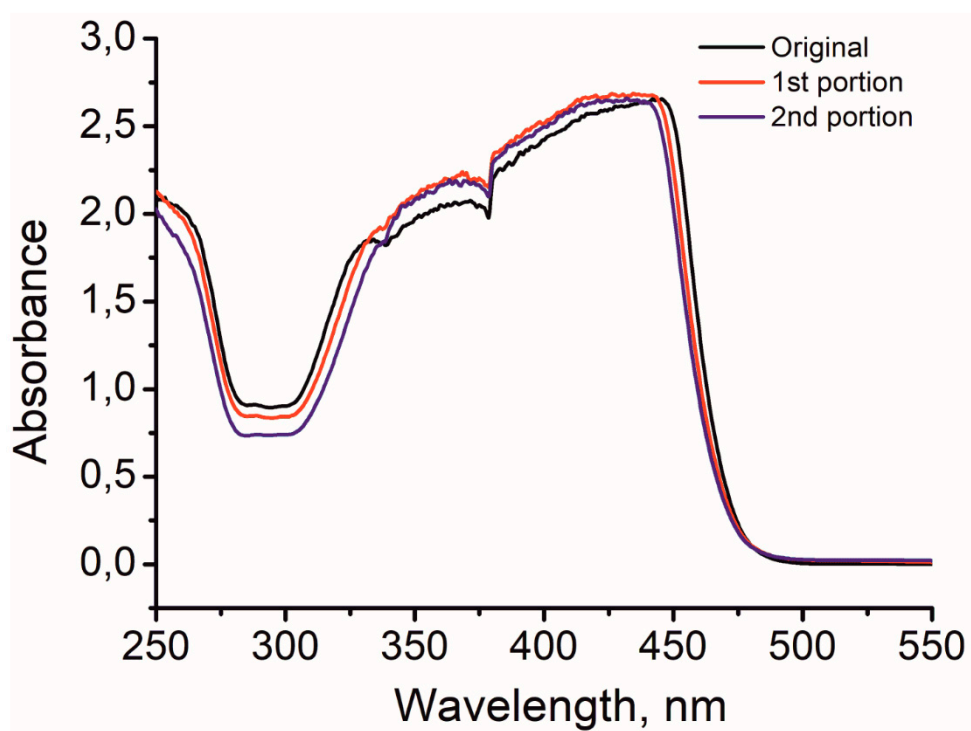


Figure S5. The UV-Vis spectra for the control experiment with *rOMC* without Ni^{2+} .