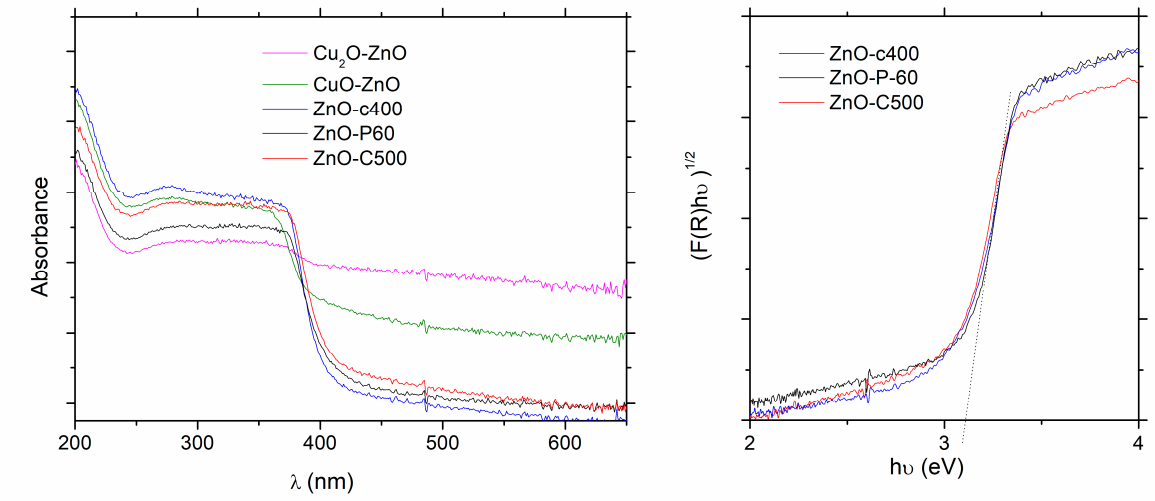
materials

Supporting information

Photoactive ZnO materials for solar light induced Cu_xO-ZnO catalyst preparation

Magdalena Brzezińska[1,2], Patricia García-Muñoz[2], Agnieszka M. Ruppert[1], and Nicolas Keller[2,*]

[1] Institute of General and Ecological Chemistry, Faculty of Chemistry, Lodz University of Technology, ul. Żeromskiego 116, 90-924, Łódź, Poland ; agnieszka.ruppert@p.lodz.pl
[2] Institut de Chimie et Procédés pour l'Energie, l'Environnement et la Santé, CNRS/University of Strasbourg, 25 rue Becquerel, 67087 Strasbourg, France ; nkeller@unistra.fr
* Correspondence: nkeller@unistra.fr; Tel.: +33-3-6885-2811



a) b)

Figure S1. Absorbance spectra of selected ZnO and Cu_xO-ZnO photocatalysts (a) and the corresponding $(\alpha h\upsilon)^{1/2}$ *vs* hυ plots used to estimate the band gap of the ZnO materials using the K-M function *F(R)* (b).

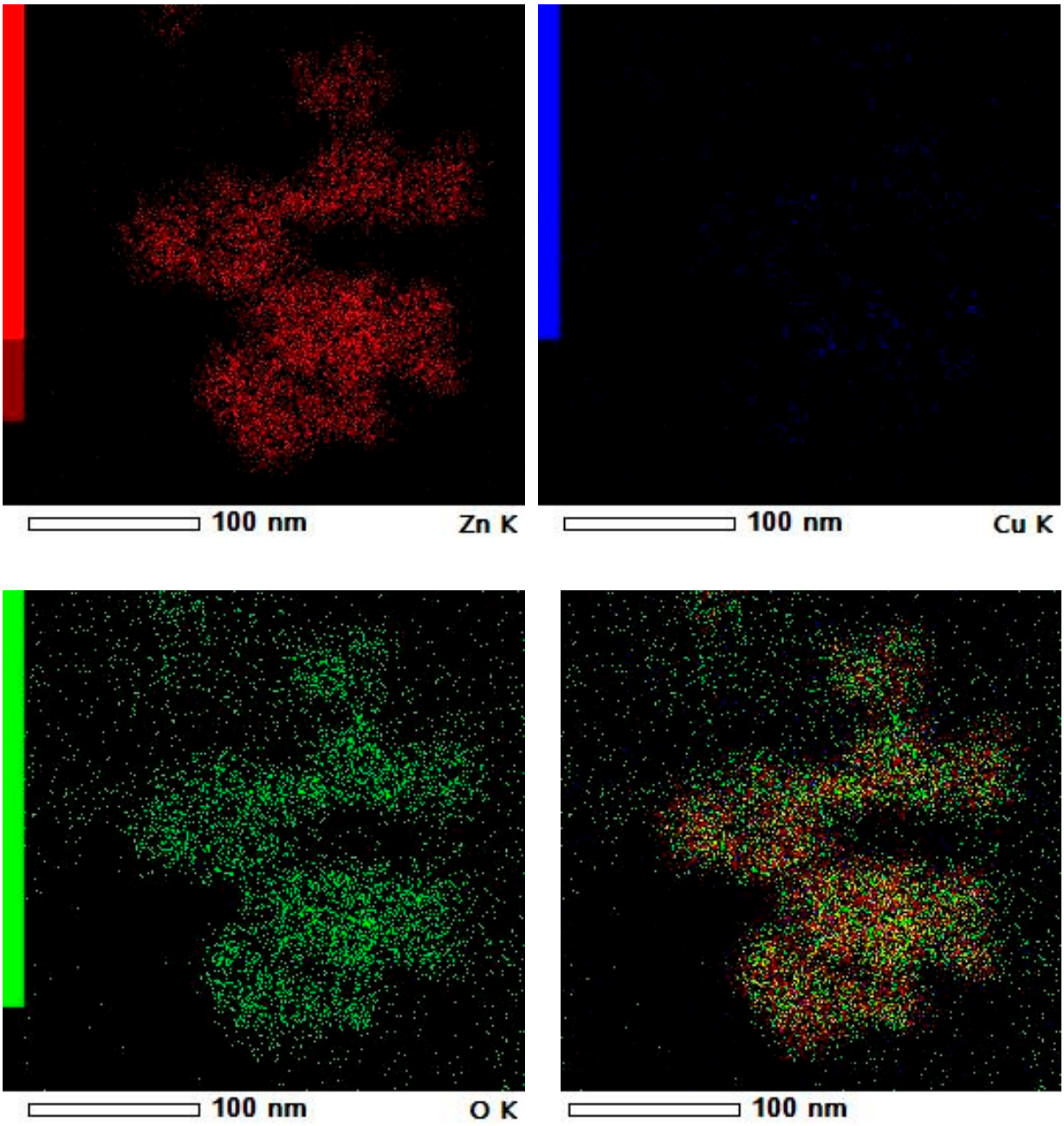


Figure S2. Mapping STEM imaging recorded on CuO-ZnO composite material prepared from the Cu nitrate precursor : (red) Zn K, (blue) Cu K, (green) O K and (overlay).