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Supplementary Information

The Role of Copper in the Synthesis of Platinum Based Catalysts and on their Efficiency for the Hydrogen Evolution Reaction

Geanina Mihai,¹ Liana Anicai,¹ Laura-Bianca Enache,¹ Oana Lazar,¹ Marius Enachescu,¹

Bostjan Genorio,² and Ayrat M. Dimiev*1,³

¹ Center of Surface Science and Nanotechnology, National University of Science and Technology Politehnica Bucharest, Splaiul Independentei 313, Bucharest, 060042, Romania

² Faculty of Chemistry and Chemical Technology, University of Ljubljana, Ljubljana, Slovenia.

³ Department of Chemistry, Rice University, Houston, TX, 77005, USA



Figure S1. Cu2p XPS spectra for the three samples: CB/Cu (a), CB/CuPt-1 (b), and CB/CuPt-2 (c).



Figure S2. Electron microscopy images for CB/Pt, acquired in three different modes with the three different detectors: secondary electrons (a), phase contrast (b), and transmission electrons (c). (d) is the ultra-high magnification UHRTEM image, acquired in the BF mode.



Figure S3. Electron microscopy images for CB/Cu, acquired in three different modes with the three different detectors: secondary electrons (a), phase contrast (b), and transmission electrons (c). (d) is the ultra-high magnification UHRTEM image, acquired in the BF mode.



Figure S4. Electron microscopy images for CB/CuPt-1, acquired in three different modes with the three different detectors: secondary electrons (a), phase contrast (b), and transmission electrons (c). (d) is the ultra-high magnification UHRTEM image, acquired in the BF mode.