

Titanium carbonitride–graphene composites assembled with organic linkers as electrocatalytic supports for methanol oxidation reaction

M. Roca-Ayats^{1*}, K. L. Yeung², M. Hernández-Caricol¹, W.Y. Chen², R. Deng², J. L. G. Fierro¹, M. J. Lázaro³, M. V. Martínez-Huerta^{1*}

1-Instituto de Catálisis y Petroleoquímica, CSIC. Marie Curie 2. Cantoblanco. E28049 Madrid, Spain.

2- Hong Kong University of Science and Technology. Clear Water Bay, Kowloon, Hong Kong.

3- Instituto de Carboquímica, CSIC. Miguel Luesma Castán 4. E50018 Zaragoza, Spain.

*Corresponding authors:

Dr. Maria Roca-Ayats. E-mail: maroay@gmail.com

Dr. María Victoria Martínez Huerta. Fax: +34 5854760; Tel: +34 5854787. E-mail: mmartinez@icp.csic.es

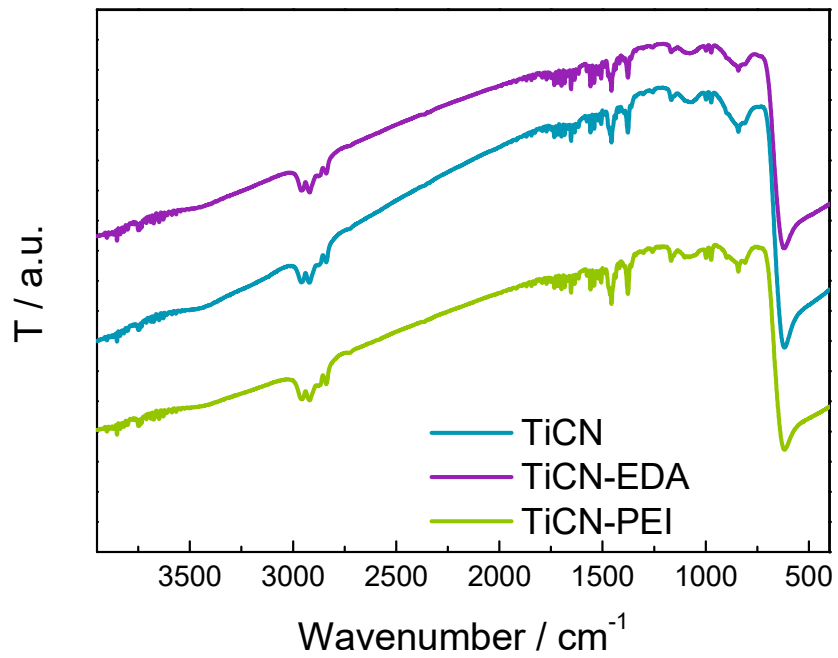


Figure S1. FTIR spectra of the three different supports recorded as KBr pellets.

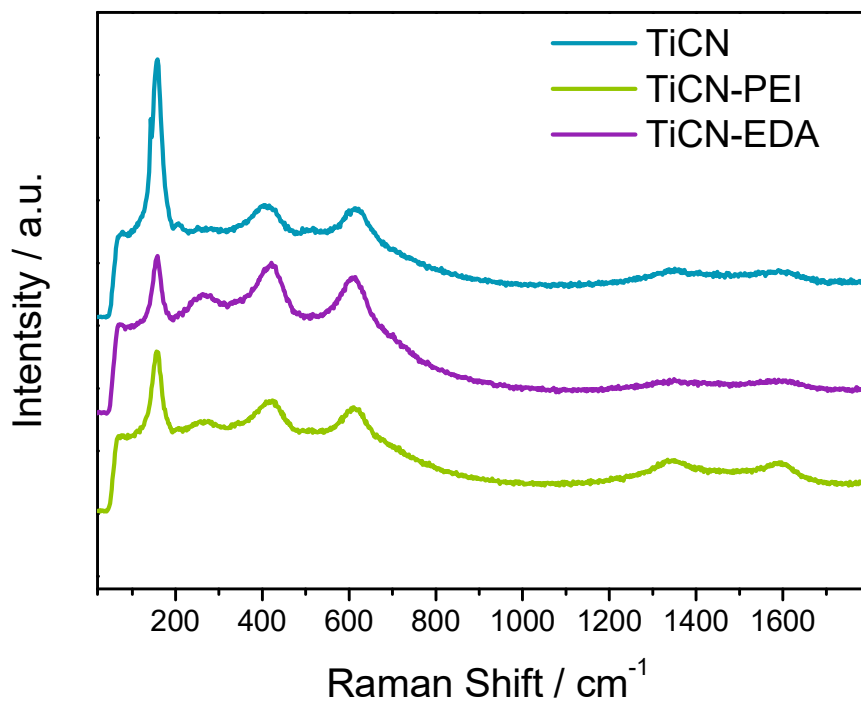


Figure S2. Raman spectra of the three different supports

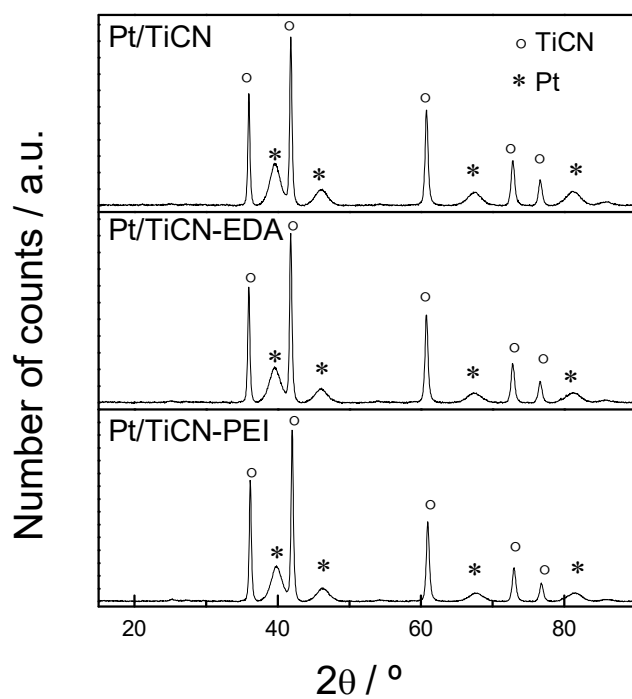


Figure S3. XRD diffractograms of the three different platinum electrocatalysts.