



TEM and EELS of Carbon Materials

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Carbon materials are widely used in catalysis as supports, but recently it is shown that carbon is also catalytically active and selective in certain reactions without modifications. We show in this short presentation by means of transmission electron microscopy and electron energy-loss spectroscopy that the different chemical activity of various carbon materials can be correlated to their micro and electronic structure, i.e., to the length and curvature of the basic structure unit and the hybridization carbon atoms.