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Abstract

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The electronic structure and orientation of the surface methoxy species on Ni(111)

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Abstract

Photoelectron spectra of the methoxy species formed by the decomposition of methanol on nickel(111) indicate that the C-O-nickel bond is normal or nearly normal to the metal surface. This structural assignment for the adsorbate complex is consistent with new photoelectron data using linearly polarized synchrotron radiation.

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