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High resolution XPS analysis of chemical functionalised multi-wall carbon nanotubes (MWCNTs) and single wall carbon nanotubes (SWCNT) was done with ESCA300 (overall instrument resolution of 0.35 eV).

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The surface oxidation behavior at room temperature of two thin films of the alloys Al2Au and Au2Al was investigated using X-ray photoelectron spectroscopy (XPS).

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High resolution XPS mapping - assets.thermofisher.com
High resolution Al (2p) spectrum of an aluminum surface. The aluminum metal and oxide peaks shown can be used to determine oxide thickness, in this case 3.7 nanometres.

X-Ray Photoelectron Spectroscopy (tutorial Presentation)
High Resolution XPS Study of a Thin Cr2O3â€”111â€“ Film Grown on Crâ€”110â€“ M. Hassel and I. Hemmerich Lehrstuhl F. Physikal. Chemie I, Ruhr-Universita Ä¨t Bochum, Universitatsstr. 150, Bochum 44780,

High Resolution XPS Study of a Thin Accession #s 111 Film
XPS is a quantitative technique in the sense that the number of electrons recorded for a given transition is proportional to the number of atoms at the surface.

XPS Spectra - casaxps.com
Abstract: The presence of two sulfur species was detected in X-ray photoelectron spectroscopy (XPS) studies of thiol and disulfide molecules adsorbed onto gold surfaces.

High Resolution XPS of Organic Polymers: The Scienta
When using high energy resolution experiment settings on an XPS equipped with a monochromatic Al K-alpha X-ray source, the FWHM of the major XPS peaks range from 0.3 eV to 1.7 eV. The following is a simple summary of FWHM from major XPS signals: Main metal peaks (e.g. 1s, 2p3, 3d5, 4f7) from pure metals have FWHMs that range from 0.30 eV to 1.0 eV

X-ray photoelectron spectroscopy - Wikipedia

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SURFACE AND INTERFACE ANALYSIS, VOL. 20, 267 (1993) Book Review G. BEAMSON and D. BRIGGS esting â€˜readâ€™ they essentially set the method of preparation and charge refer- scene for the database itself, and provide encing component, together with a full High-resolution XPS of Organic Poly- the user

High resolution XPS of organic polymers: the Scienta

tures (e.g. C-H or C-F; Si or SiO2) to XPS peaks in high en- ergy resolution spectra.As a result, data-banks of â€œreference data (BE numbers)â€• have been used to generate information

A Review of XPS Numerical Data-Banks and XPS Spectral Data

You will probably be familiar with the book by G. Beamson and D. Briggs entitled â€œHigh Resolution XPS of Organic Polymers â€“ The Scienta ESCA300 Databaseâ€œ, published by Wiley in 1992.

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