

# X Ray Spectroscopy Pure Applied Physics

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#### **NOMENCLATURE SYSTEM FOR X-RAY SPECTROSCOPY**

Nomenclature of X-ray spectroscopy (Recommendations 1991) 737 The nomenclature used for X-ray emission spectra was introduced by M Siegbahn in the 1920's and is based upon the relative intensity of lines from different series It gives no information about the origin of these lines Since it was introduced, a number of lines have been

#### **Visible, EUV, and X-ray Spectroscopy at the NIST EBIT Facility**

8The Queen's University, Department of Pure and Applied Physics, Belfast BT7 1NN, UK Visible, EUV, and X-ray Spectroscopy at the depended critically on high-resolution x-ray spectroscopy with an EBIT appeared in the Physical Review in 1989 [2], using an NRL-NIST spectrometer at Livermore, in

#### **X-ray absorption spectroscopy elucidates the impact of ...**

X-ray absorption spectroscopy elucidates the impact of structural disorder on electron mobility in amorphous zinc-tin-oxide thin films Sin Cheng Siah,1,a),b) Sang Woon Lee,2,c) Yun Seog Lee,1 Jaeyeong Heo,3 Tomohiro Shibata,4 Carlo U Segre,4 Roy G Gordon,2 and Tonio Buonassisi1,a) 1Massachusetts Institute of Technology, Cambridge, Massachusetts 02139, USA 2Department of ...

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### **Practical guide for curve fitting in x-ray photoelectron ...**

Over the past 30 years, x-ray photoelectron spectroscopy (XPS) has become the most widely used surface analysis tool and has been an essential component of many research studies<sup>1</sup> Curve fitting has been widely used for more than 50 years for extracting chemical information from the overlapping features in high-resolution XPS

### **X-ray induced absorption of high-purity sapphire**

Journal of Physics D: Applied Physics X-ray induced absorption of high-purity sapphire and investigation of the origin of the residual absorption at 1064 nm To cite this article: F Benabid et al 2000 J Phys D: Appl Phys 33 589 View the article online for updates and enhancements Related content Defects induced in pure and doped LiNbO<sub>3</sub>

### **X-ray Photoelectron Spectroscopy Study of Indium Tin Oxide ...**

X-ray Photoelectron Spectroscopy Study of Indium Tin Oxide Films Deposited at Various Oxygen Partial Pressures SHOU PENG,<sup>1,2,3</sup> XIN CAO,<sup>1,3</sup> JINGONG PAN,<sup>4</sup> XINWEI WANG,<sup>5</sup> XUEHAI TAN,<sup>6,7</sup> ALAN E DELAHOY,<sup>6</sup> and KEN K CHIN<sup>6</sup> 1—State Key Laboratory of Advanced Technology for Float Glass, Bengbu Design and Research

### **ANALYSIS OF BISMUTH CONTENT IN A PEPTO-BISMOL ...**

European Journal of Pure and Applied Chemistry Vol 3, No 1, 2016 ISSN 2398-1385 Progressive Academic Publishing, UK Page 1  
wwwidpublicationsorg ANALYSIS OF BISMUTH CONTENT IN A PEPTO-BISMOL TABLETS USING X-RAY FLUORESCENCE SPECTROSCOPY (XRF)  
Abdullahi A Shamsuddeen, Muhammad Surajo& Usman Jamilu

### **Characterization of individual submicrometer aerosol ...**

of energy-dispersive X-ray spectroscopy (EDX) coupled with scanning electron microscopy (SEM) and transmission electron microscopy (TEM) has widely been applied for the analysis of both homogeneous and heterogeneous single aerosol particles [Tsuji et al, 2008] In particular, quanti-tative energy-dispersive electron probe X-ray

### **Tungsten tetraboride, an inexpensive superhard material**

X-ray spectroscopy (EDX) The sample does, however, contain some amorphous boron, which cannot be observed using XRD Once phase pure WB<sub>4</sub> ingots were obtained by arc melting followed by cutting and polishing, Vickers microindentation hardness testing was carried out on optically flat samples with the results depicted in Fig 2