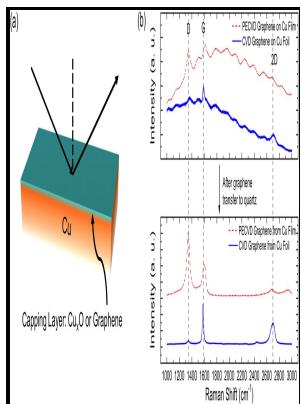


# Ellipsometric studies of noble metal films.

## University of East Anglia - A User's Guide to Ellipsometry



Description: -

-Ellipsometric studies of noble metal films.

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Notes: Thesis (Ph.D.) - University of East Anglia, School of Mathematics and Physics, 1978.

This edition was published in 1978



Filesize: 34.83 MB

Tags: #Ellipsometric #study #of #semiconductor #— #Metal #and #metal #— #Metal #oxide #thin #films #system

X

Particle size distribution analysis was done by measuring diameters of the bright spots in AFM image. The experimental ellipsometric data were analyzed by means of the J.

### A User's Guide to Ellipsometry

It can be seen in that with our optical constants the SPR position varies linearly with the composition between the values of both pure metals. Colloids and Surfaces B: Biointerfaces 2006, 47 1 , 57-63. It is apparent in that the values of n for the alloys in this energy zone are higher than those of both pure metals.

### Ellipsometry of Nanocomposite Layered Materials

Langmuir 2013, 29 19 , 5841-5850.

### Fabrication of nanoporous noble metal thin films by O<sub>2</sub> plasma dealloying — Korea University

Biosensors and Bioelectronics 2016, 85 , 669-678. B 21 6 , 2072—2077 1980. Langmuir 2005, 21 1 , 437-442.

### Spectroellipsometric characterization and modeling of plasmonic diamond

Internal damping is caused by excitation of electron-hole pairs at the Fermi level of the metal with following deexcitation producing phonons and thus heating the material this process can be observed by photoacoustic measurements and emission of the photoelectrons.

### OSA

Effective refractive indices of films containing 8 a and 22 at.

### Fabrication of nanoporous noble metal thin films by O<sub>2</sub> plasma dealloying — Korea University

The arrangement using ATR coupling to excite surface plasmons is nowadays well known and used in detection devices that evaluate the dependence of the incidence angle at which the surface plasmon resonance reaches its maximum when frequency of coupled photons matches the frequency of the collective electron oscillations on the medium surrounding the thin metal film Figure 2.

#### **Ellipsometric and Interferometric Characterization of DNA Probes Immobilized on a Combinatorial Array**

These changes in the roughness and grain structure upon annealing were further confirmed by SEM images. Nano Letters 2004, 4 2 , 365-371.

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