
Electron Emission Under Influence Chemical Action

electron emission from molybdenum under ion bombardment - electron emission from mo under ion bombardment 1709 all measurements reported here were made at normal incidence of the ion beam on to the target surface. the results were insensitive to changes of a few degrees in the incidence **secondary electron emission under stress see under high ...** - secondary electron emission (see) coefficient of sapphire and si and energy distributions of secondary electrons from aluminas were measured under high temperature at about 400 'c. these measurements intended to establish measurement systems of see coefficient and energy analysis of secondary electrons under high temperature conditions. **electron emission - talking electronics** - electron emission 29 ductor by supplying sufficient energy from some external source. this is known as electron emission. the emitted electrons can be made to move in vacuum under the influence of an electric field, thus **secondary electron emission properties** - in this paper an introduction is given to secondary electron emission properties. it is shown that the reduced secondary emission yield $15/b$, as a function of the reduced primary energy ep/em can be described by a universal curve. it is found that it is easier to use the measurement of the **electron emission from inconel under ion bombardment** - electron emission from inconel under ion bombardment e. v. alonso, r. a. baragiola, j. ferron and a. oliva-florio centro atomico bariloche and instituto balseiroz 8400 s.c. de bariloche, r.n. argentina (received march 8, 1979; injinal form july 2, 1979) **target effective electron emission coefficients during ...** - 1. electronic properties of the target surface under ion bombardment (preferential sputtering or not) are the dominant factors in the understanding of the ion induced secondary electron emission. 2. small gap materials and metals have a low γ_i - oxides of nb, m o, r e, ta, ti, cu, cr, in, zr which under ion bombardment reduce to suboxides **internal charging effect on the electron emission yield ...** - under e-irradiation, it is important to get a clear picture of the secondary electron emission characteristics of the material. presently, the total electron emission yield (γ_{te}) approach is often used to describe the charging build-up and to predict the magnitude of the surface potential. the γ_{te} (or σ is the ratio of the emitted electron ... **secondary electron emission studies - nikhef** - secondary-electron-emission processes under electron bombardment play an essential role in vac-uum electronic devices. the materials used in the devices may need to be judiciously selected in some cases to enhance the secondary-electron emission and in other cases to suppress the emission. in **experimental studies of electron emission properties ...** - experimental studies of electron emission properties under magnetic field for copper samples : effect of the surface morphology n . fil 1,2,3, j. hillairet 1, m lhaj 2, j. puech 3 1 cea, irfm , saint paul -lez-durance , france 2 onera / dphy, universit  de toulouse, f -31055 toulouse - france 3 cnes -the french national centre for space studies , toulouse , france **electron emission and electronic stopping in the ...** - physical review b 92, 045425 (2015) electron emission and electronic stopping in the interaction of slow helium ions with aluminum p. riccardi* dipartimento di fisica, universit  della calabria ... **nanolocalized nonlinear electron photoemission under ...** - nanolocalized nonlinear electron photoemission under coherent control ... under these conditions, the electron current density $j(x,z)$ in the plane (xz) of the nanostructure, integrated over time, is proportional to ... electron emission from clean silver is impossible. this can **field electron emission - coursesysics.ucsd** - electron emission from metal surfaces under high electric fields at low temperatures intrigued the researchers of early twentieth century. this article aims at understanding the historical development of this topic by targeting the most significant work in the area, viz. the 1928 paper of ... **feasibility study of secondary emission electron ...** - feasibility study of secondary emission electron microscopy for examining materials containing dispersed oxide particles by l. fredrick norris and walter s. cremens lewis research center summary the feasibility of using a secondary emission electron microscope (seem) to examine dispersion-strengthened materials was explored. nickel, tungsten ... **electron eld emission from nanostructured semiconductors ...** - issue for eld emission is the electron transport to the surface. besides low work function (electron affinity) it is essential to have (i) good electron injection on the back contact, and (ii) easy electron transport through the emitter material [25]. therefore, for studies of electron eld emission from gan, algan, and aln great

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