Abstract

Absorption buildup factors for some titanium compounds like Titanium dioxide (TiO2), Titanium Carbide (TiC), Titanium Nitride (TiN) and Titanium Silicate (TiSi2) has been calculated using the G. P. fitting technique upto penetration depth of 40 mean free path (mfp). The variation of energy absorption buildup factor with incident photon energy for the selected compounds of titanium has been studied. It has been investigated that the value of energy absorption build up
factor is higher in the intermediate energy region as compared to the lower and higher energy regions for all selected compounds of titanium.

References


Index Terms

Computer Science   Information Sciences
Keywords
Titanium Compounds  Multiple Scattering  Buildup Factor.