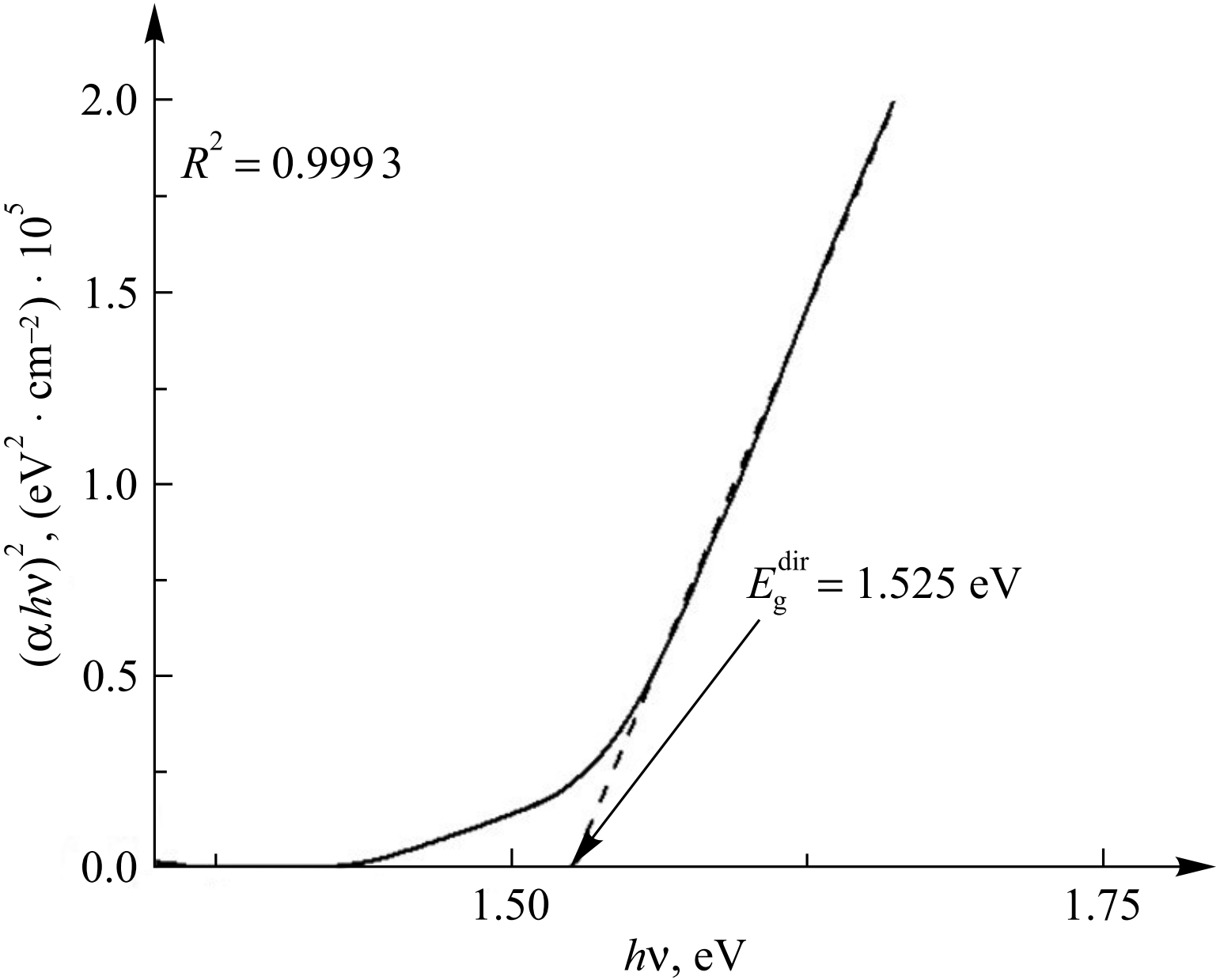

Fig. 5. Absorption coefficient α in presentation of $(\alpha h\nu)^2$ as function of photon energy $h\nu$: R^2 is the coefficient of determination; E_g^{dir} is the direct bandgap