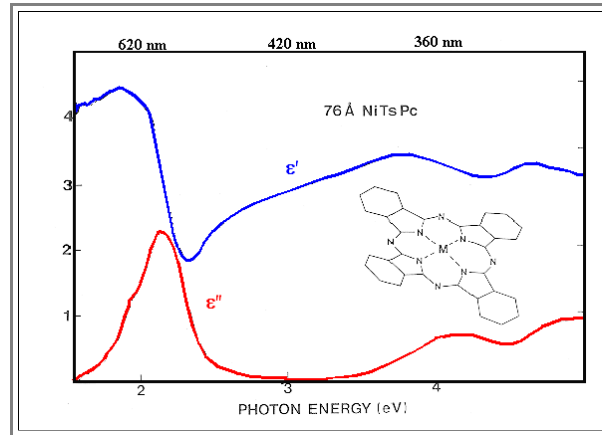


Dielectric Function of a Metal-Organic Molecule

Illustration

Here is a curve of a dielectric function taken from a random scientific paper.



- The material is some kind of metal-organic molecule; shown in the inset.
- The real part (ϵ') and the imaginary part (ϵ'') as measured in a small range of frequencies (expressed as photon energy) is shown.

While the general structure clearly shows the effect of (a strongly damped) [oscillation mechanism](#), there is some fine structure visible. This is easily understood in principle, because all kinds of oscillations are possible in contrast to the simple model with only one oscillating atom.