

Growth and Properties of Co-doped ZnO Nanocrystals

- L. Spanhel (Universite de Rennes 1)

Alcoholic colloids composed of co-doped ZnO nanocrystals offer several opportunities for fundamental and applied studies that will be the subject of this contribution. First, we focus on the mechanism of the primary nucleation events and the structure of the primary clusters. Second, the co-doping strategies of condensed ZnO particles with foreigner metal ions and anions will be presented and discussed with respect to their use in telecommunication and solar technologies.