

SYNTHESIS AND OPTICAL PROPERTIES OF CDS:Mn²⁺/ZNS CORE/SHELL STRUCTURES NANOCRYSTALS QUANTUM DOTS

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TÓM TẮT:

The novel optical properties of colloidal semiconductor nanocrystal that often called Nanocrystal quantum Dots

(QDs) are presented in this work. NQDs are the particles in the size range of 2-6nm which are of great current interest, not only because of their size-tunable properties but also because of their dimensional similarity with biological macromolecules. They can have many application from biological marking, light-emitting diodes to multicolour lasers.