

Paper title

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ABSTRACT

CdSe nanocrystalline had been prepared via colloidal chemical method.

Key Words

5-8 words

INTRODUCTION

Semiconductor nanocrystals, or quantum dots, are attractive physical systems because the strong confinement of excited electrons and holes leads to dramatically different optical properties [1,2].

EXPERIMENTAL

QDs were prepared according to procedure developed by Murray et al [10], the colloidal chemical processes to synthesize the CdSe QDs, CdO and Se were used as precursors.

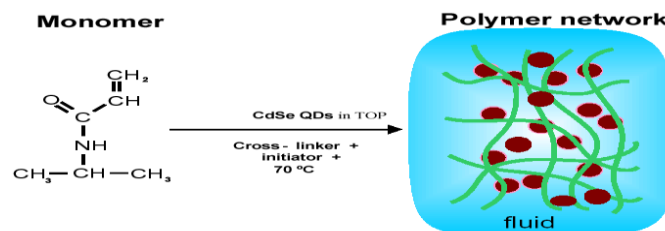


Fig.1: Scheme summarize the process of Preparation

Table 1: Stock shift of 1st and 2nd absorbance and emission Peaks.

Sample name	1 st Abs.Peak (λ_{abs})	1 st Emiss. Peak (λ_{em})	Stock Shift (ΔS)
Pure	300 nm	453 nm	153

REFERENCES

1. D.C. Harris, W.H.Freeman Co., New York. "Quantitive Chemical Analysis" 5th Ed. (1999).
2. Cristina Buzea, Ivan Pacheco, and Kevin Robbie. "Nanomaterials and Nanoparticles: Sources and Toxicity". *Biointerphases* **2**: MR17, (2007).