

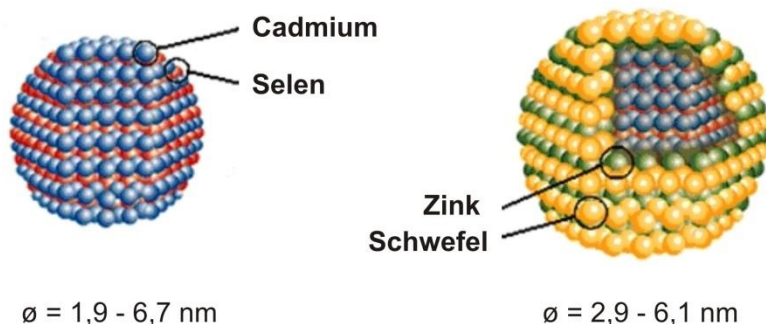
Vás zve na seminář:

CdZn/CdZnSe, CdSe quantum dots synthesis and characterization

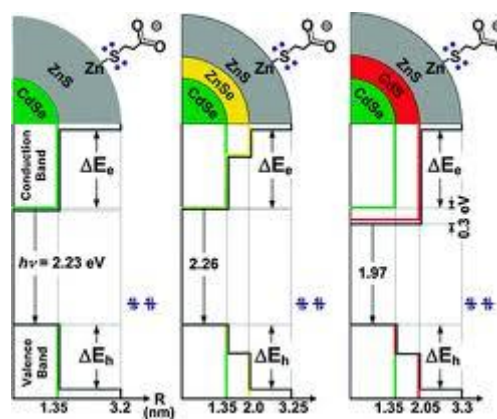
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Abstrakt

Quantum dots get most of their use in a new generation of luminescent materials for white LEDs. They have application for markers in luminescent additives, for example, to protect marketable securities against forgery.



Quantum dots are also used for various biochemical and biomedical research, including multi-color imaging of biological objects (viruses, organelles, cells, tissue) in vitro and in vivo; multi-channel optical coding, such as flow cytometry and high-performance analysis of proteins and nucleic acids; studying the spatial and temporal distribution of biomolecules using confocal microscopy; immunoassay studies; in situ diagnosis of cancer markers and other applications.



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