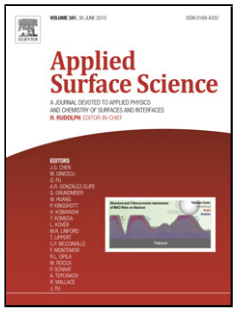

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Synthesis, characterization and photocatalytic degradation efficiency of CdS quantum dots embedded in sodium borosilicate glasses

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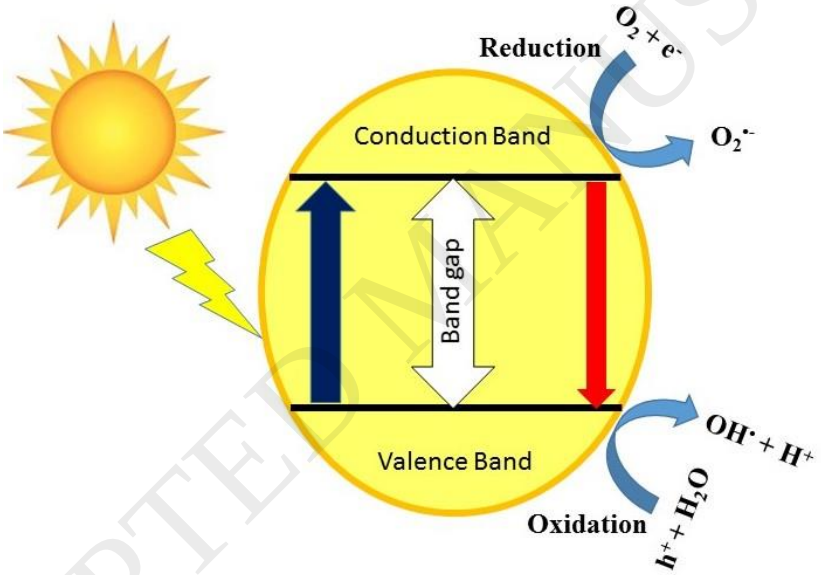
Graphical abstract



Highlights

- CdS embedded simple borosilicate glass system were prepared by conventional melt quench technique.
- Growth of CdS QDs was controlled by optimized heat treatment schedule and confirmed by various characterization techniques.