



What are quantum dots' applications?

### Electric Signals & Emitting Light

An array of quantum dots can be a TV screen by receiving electric signals and emitting lights of different colours.

### Control Path Of a Chemical Reaction

Scientists can control the path of a chemical reaction by placing some quantum dots in the mix and making them release electrons by shining light on them.

### Advertisements

#### Semiconductor

If one of the energy levels on electron jumps between in a quantum-dot atom is the conduction band, the dot can operate like a semiconductor.

#### Solar Cells



What are quantum dots' applications?

Solar cells made with quantum dots are expected to have a thermodynamic efficiency as high as 66%.

Advertisements

Multiplexer in Telecommunications

A quantum dot can also highlight a tumour that a surgeon needs to remove, hasten chemical reactions that extract hydrogen from water, and as a multiplexer in telecommunications.

 Views: 10

Advertisements