

illumination

Abbreviations used in the thesis

0D	Zero dimensional
1 D	One dimensional
2 D	Two dimensional
3 D	Three dimensional
EDX	Energy dispersive X-ray spectroscopy
FTIR	Fourier transform infrared spectroscopy
HOMO	Highest occupied molecular orbital
HRTEM	High resolution transmission electron microscopy
LUMO	Lowest unoccupied molecular orbital
nm	Nanometer
PV	Photovoltaic
QD	Quantum dots
rpm	round per minute
SAED	Selected area electron diffraction
SEM	Scanning electron microscopy
TEM	Transmission electron microscopy
TRPL	Time resolved Photo luminescence
UV	Ultra-violet
XPS	X-ray Photo electron spectroscopy

XRD

X-ray diffraction

Å

Angstrom