

1. Record Nr.	UNINA9910688453003321
Titolo	Quantum Dots : Fundamental and Applications // edited by Faten Divsar
Pubbl/distr/stampa	London, United Kingdom : , : IntechOpen, , 2020
Descrizione fisica	1 online resource (92 pages) : illustrations
Disciplina	572.36
Soggetti	Quantum dots
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Sommario/riassunto	Quantum dots (QDs) are luminescent semiconductor nanocrystals with unique chemical and physical properties due to their size and highly compact structure. QDs were first proposed for use in luminescent concentrators to replace organic dye molecules. In this book, the interest is in taking advantage of the emission properties of QDS, which can be tuned by their size, resulting from quantum confinement. In addition, the book discusses the potential of QDs as contrast and therapeutic agents in the field of medicine.