

1. Record Nr.	UNICAMPANIASUN0093638
Autore	Iustinianus Augustus, imperatore d'Oriente
Titolo	Imperatoris Iustiniani Institutionum libri 4. / ad fidem codicum manuscryptorum aliorumque subsidiorum criticorum recensuit, commentario perpetuo instruxit Eduardus Schrader
Pubbl/distr/stampa	Berolini : apud Georgium Reimerum, 1832
Descrizione fisica	XVII, 840 p. ; 30 cm.
Disciplina	340.54
Lingua di pubblicazione	Latino
Formato	Materiale a stampa
Livello bibliografico	Monografia
2. Record Nr.	UNINA9910778812903321
Autore	Hess Ortwin <1966->
Titolo	Photonics of quantum-dot nanomaterials and devices [[electronic resource]] : theory and modelling / / Ortwin Hess, Edeltraud Gehrig
Pubbl/distr/stampa	London, : Imperial College Press Singapore ; ; Hackensack, N.J., : World Scientific Pub. [distributor], c2012
ISBN	1-280-34893-3 9786613555205 1-84816-522-6
Descrizione fisica	1 online resource (182 p.)
Altri autori (Persone)	GehrigEdeltraud <1969->
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Soggetti	Quantum dots - Mathematical models Nanophotonics - Materials - Mathematical models
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographic references.

Nota di contenuto

Introduction to photonic quantum dot nanomaterials and devices --
Theory of quantum dot light-matter dynamics -- Light meets matter I :
microscopic carrier effects and fundamental light-matter interaction --
Light meets matter II : mesoscopic space-time dynamics --
Performance and characterisation : properties on large time and length
scales -- Nonlinear pulse propagation in semiconductor quantum dot
lasers -- High-speed dynamics -- Quantum dot random lasers --
Coherence properties of quantum dot micro-cavity lasers.

Sommario/riassunto

Quantum dot nano structures are interesting for applications in
information technology and play a growing role in data storage,
medical and biological applications. Understanding quantum
nanomaterials is thus the key for the conception and optimization of
novel structures. This monograph gives an overview of the theory and
introduces the concepts of advanced computational modelling of
quantum dot nanomaterials and devices ranging from
phenomenological models up to fully quantum theoretical description.
