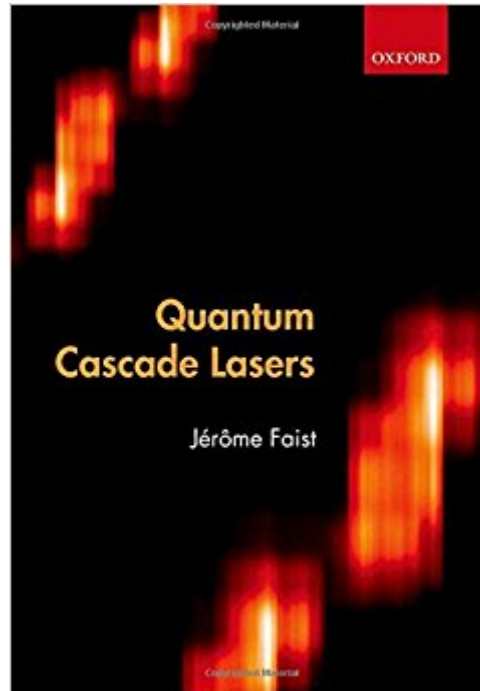




Ebook Directory
the best source of ebook

The book was found

Quantum Cascade Lasers



Synopsis

This book provides an introduction to quantum cascade lasers, including the basic underlying models used to describe the device. It aims at giving a synthetic view of the topic including the aspects of the physics, the technology, and the use of the device. It should also provide a guide for the application engineer to use this device in systems. The book is based on lecture notes of a class given for Masters and beginning PhD students. The idea is to provide an introduction to the new and exciting developments that intersubband transitions have brought to the use of the mid-infrared and terahertz region of the electromagnetic spectrum. The book provides an introductory part to each topic so that it can be used in a self-contained way, while references to the literature will allow deeper studies for further research.

Book Information

Hardcover: 328 pages

Publisher: Oxford University Press; 1 edition (May 10, 2013)

Language: English

ISBN-10: 0198528248

ISBN-13: 978-0198528241

Product Dimensions: 9.7 x 0.9 x 6.9 inches

Shipping Weight: 1.8 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #821,478 in Books (See Top 100 in Books) #127 in [Books > Science & Math > Physics > Light](#) #139 in [Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics > Semiconductors](#) #272 in [Books > Science & Math > Physics > Solid-State Physics](#)

Customer Reviews

"Overall, Quantum Cascade Lasers promises to become an essential complement to other popular treatments of semiconductor laser physics..." --Physics Today

Jérôme Faist, Institute for Quantum Electronics, ETH Zurich Jerome Faist was born in Switzerland and obtained his Ph.D. in Physics in 1989 from the Swiss Institute of Technology in Lausanne. He then worked successively at IBM Rueschlikon (1989-91) and Bell Laboratories (1991-97). He was nominated full professor in the physics institute of the University of Neuchatel (1997) and then in the ETH Zurich (2007). His key contribution to the development of the quantum

cascade laser was recognized by a number of awards that include the National Swiss Latsis Prize 2002.

[Download to continue reading...](#)

Quantum Cascade Lasers Advanced Molecular Quantum Mechanics: An Introduction to Relativistic Quantum Mechanics and the Quantum Theory of Radiation (Studies in Chemical Physics) Quantum Ontology: A Guide to the Metaphysics of Quantum Mechanics Quantum Nanoelectronics: An introduction to electronic nanotechnology and quantum computing Introduction to Topological Quantum Matter & Quantum Computation Quantum Mechanics: Re-engineering Your Life With Quantum Mechanics & Affirmations Quantum Runes: How to Create Your Perfect Reality Using Quantum Physics and Teutonic Rune Magic (Creating Magick with The Universal Laws of Attraction Book 1) Delirious, A Quantum Novel (Quantum Series Book 6) Quantum Thermodynamics: Emergence of Thermodynamic Behavior Within Composite Quantum Systems (Lecture Notes in Physics) Covariant Loop Quantum Gravity: An Elementary Introduction to Quantum Gravity and Spinfoam Theory (Cambridge Monographs on Mathematical Physics) The Quantum Mechanics Solver: How to Apply Quantum Theory to Modern Physics Quantum Space (Quantum Series Book 1) Quantum Incident (Quantum Series Book 0) The White Cascade: The Great Northern Railway Disaster and America's Deadliest Avalanche 60 Quick Baby Knits: Blankets, Booties, Sweaters & More in Cascade 220™ Superwash (60 Quick Knits Collection) 60 Quick Knits for Little Kids: Playful Knits for Sizes 2 - 6 in PacificÃÂ© and PacificÃÂ© Chunky from Cascade YarnsÃÂ© (60 Quick Knits Collection) Reading Paul: (Cascade Companions) 100 Classic Hikes in Northern California: Sierra Nevada / Cascade Mountains / Klamath Mountains / Coast Range & North Coast / San Francisco Bay Area 60 More Quick Baby Knits: Adorable Projects for Newborns to Tots in 220 SuperwashÃÂ© Sport from Cascade Yarns (60 Quick Knits Collection) 60 Quick Baby Blankets: Cute & Cuddly Knits in 220 SuperwashÃÂ© and 128 SuperwashÃÂ© from Cascade Yarns (60 Quick Knits Collection)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)