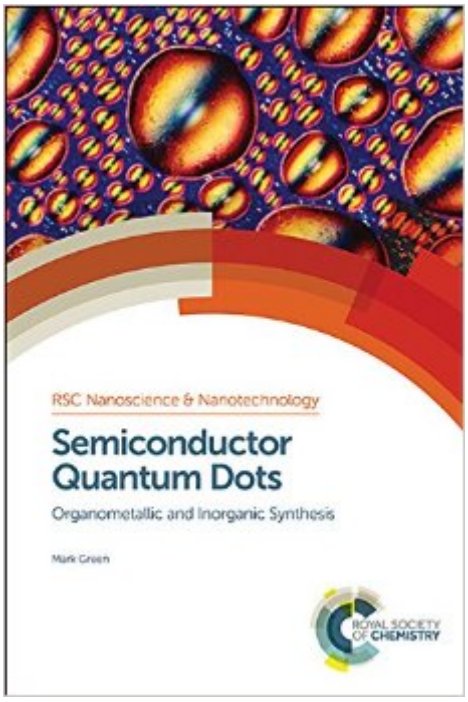
The book was found

Semiconductor Quantum Dots: Organometallic And Inorganic Synthesis (Nanoscience & Nanotechnology Series)



PDF
Adobe
DOWNLOAD EBOOK

Synopsis

Quantum dots are nano-sized particles of semiconducting material, typically chalcogenides or phosphides of metals found across groups II to VI of the periodic table. Their small size causes them to exhibit unique optical and electrical properties which are now finding applications in electronics, optics and in the biological sciences.Synthesis of these materials began in the late 1980â ™s and this book gives a thorough background to the topic, referencing these early discoveries. Any rapidly-expanding field will contain vast amounts of publications, and this book presents a complete overview of the field, bringing together the most relevant and seminal aspects literature in an informed and succinct manner.The author has been an active participant in the field since its infancy in the mid 1990â ™s, and presents a unique handbook to the synthesis and application of this unique class of materials. Drawing on both his own experience and referencing the primary literature, Mark Green has prepared. Postgraduates and experienced researchers will benefit from the comprehensive nature of the book, as will manufacturers of quantum dots and those wishing to apply them.

Book Information

Series: Nanoscience & Nanotechnology Series (Book 33)

Hardcover: 295 pages

Publisher: Royal Society of Chemistry (July 3, 2014)

Language: English

ISBN-10: 1849739854

ISBN-13: 978-1849739856

Product Dimensions: 6.2 x 0.8 x 9.4 inches

Shipping Weight: 1.3 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #4,159,780 in Books (See Top 100 in Books) #89 inÂ Books > Science & Math > Chemistry > Organic > Organometallic Compounds #851 inÂ Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics > Semiconductors #10538 inÂ Books > Textbooks > Science & Mathematics > Chemistry

Download to continue reading...

Semiconductor Quantum Dots: Organometallic and Inorganic Synthesis (Nanoscience & Nanotechnology Series) Nanostructures and Nanomaterials: Synthesis, Properties, and Applications (2nd Edition) (World Scientific Series in Nanoscience and Nanotechnology) Inorganic

and Organometallic Reaction Mechanisms (Brooks/Cole Series in Inorganic Chemistry) Towards Solid-State Quantum Repeaters: Ultrafast, Coherent Optical Control and Spin-Photon Entanglement in Charged InAs Quantum Dots (Springer Theses) Quantum Nanoelectronics: An introduction to electronic nanotechnology and quantum computing Low-Dimensional and Nanostructured Materials and Devices: Properties, Synthesis, Characterization, Modelling and Applications (NanoScience and Technology) Introduction to Cluster Chemistry (Prentice Hall Inorganic and Organometallic Chemistry Series) Quantum Transport in Mesoscopic Systems: Complexity and Statistical Fluctuations (Mesoscopic Physics and Nanotechnology) Quantum Transport in Mesoscopic Systems: Complexity and Statistical Fluctuations. A Maximum Entropy Viewpoint (Mesoscopic Physics and Nanotechnology) Organometallic Reaction Mechanisms of the Nontransition Elements (Organometallic chemistry) Infrared and Raman Spectra of Inorganic and Coordination Compounds, Applications in Coordination, Organometallic, and Bioinorganic Chemistry Infrared and Raman Spectra of Inorganic and Coordination Compounds, Part B: Applications in Coordination, Organometallic, and Bioinorganic Chemistry, 5th Edition Inorganic and Organometallic Reaction Mechanisms Molecular Visions (Organic, Inorganic, Organometallic) Molecular Model Kit #1 by Darling Models to accompany Organic Chemistry Experimental Organometallic Chemistry: A Practicum in Synthesis and Characterization (ACS Symposium Series 357) Synthesis and Application of Organoboron Compounds (Topics in Organometallic Chemistry) Semiconductor Quantum Optics Organometallic Reagents in Synthesis (Oxford Chemistry Primers) Synthesis and Technique in Inorganic Chemistry: A Laboratory Manual Content Strategy: Connecting the dots between business, brand, and benefits

Dmca