

Semiconductor Nanocrystal Quantum Dots: Synthesis, Assembly, Spectroscopy and Applications

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This is the first book to specifically focus on semiconductor nanocrystals, and address their synthesis and assembly, optical properties and spectroscopy, and potential areas of nanocrystal-based devices. The enormous potential of nanoscience to impact on industrial output is now clear. Over the next two decades, much of the science will transfer into new products and processes. One emerging area where this challenge will be very successfully met is the field of semiconductor nanocrystals. Also known as colloidal quantum dots, their unique properties have attracted much attention in the last twenty years.



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Semiconductor Nanocrystal Quantum Dots: Synthesis, Assembly, Spectroscopy and Applications From Springer Bibliography

Rank: #2975048 in BooksPublished on: 2008-08-15Original language: English

• Number of items: 1

• Dimensions: 9.25" h x .92" w x 6.10" l, 2.07 pounds

• Binding: Hardcover

• 372 pages

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