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; 2.1 MBE ; 2.2 MOCVD ; 2.3 Other Techniques
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 ; 3.2 GaN quantum dots
 3.3 InGaN quantum dots 4. Summary ;
 References ; Theory of Threshold Characteristics of Quantum
 Dot Lasers: Effect of Quantum Dot Parameter Dispersion
 ; 1. Introduction ; 2. Basic Equations ; 3.
 Gain Spectrum and Spontaneous Radiative Recombination Current
 3.1. Equilibrium filling of QDs (relatively high temperatures and/or
 shallow potential wells)

Sommario/riassunto

In this book, leading experts on quantum dot theory and technology provide comprehensive reviews of all aspects of quantum dot systems. The following topics are covered: (1) energy states in quantum dots, including the effects of strain and many-body effects; (2) self-assembly and self-ordering of quantum dots in semiconductor systems; (3) growth, structures, and optical properties of III-nitride quantum dots; (4) quantum dot lasers.
 Contents:
 Low-Dimensional Systems (E Borovitskaya & M S Shur)
 Energy States in Quantum Dots (A J Williamson)
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