

# **Long Wavelength Infrared Detectors**

Manijeh Razeghi

#### **Long Wavelength Infrared Detectors:**

Long Wavelength Infrared Detectors Razeghi, 1997-11-21 This work presents a comprehensive overview of the development of new generations of infrared detectors based on artificially synthesized quantum structures Featuring contributions from researchers working at the cutting edge of this field this volume will become an essential reference for advanced graduate students and researchers alike Long Wavelength Infrared Detectors Manijeh Razeghi, 2020-03-09 This timely work presents a comprehensive overview of the development of new generations of infrared detectors based on artificially synthesized quantum structures The growth of quantum wells and superlattices is well documents in this volume as are the principal new superlattice technologies for long wavelength infrared detection Featuring insightful contributions from researchers working at the cutting edge of this exciting field this volume is sure to become an essential reference for advanced graduate students and researchers alike **Proceedings of the Sixth International Symposium on Long** Wavelength Infrared Detectors and Arrays: Physics and Applications Sheng S. Li,1999 Long Wavelength Infrared Detectors Taylor & Francis Group, 2020-12-18 Proceedings of the Third International Symposium on Long Wavelength *Infrared Detectors and Arrays: Physics and Applications III* Sheng S. Li,1995 III-V Multiple Quantum Well Long Wavelength Infrared Detectors Deepak Kumar Sengupta, 1997 Proceedings of the Fifth International Symposium on Long Wavelength Infrared Detectors and Arrays: Physics and Applications Sheng S. Li, H. C. Liu, M. Z. Tidrow, 1997 Proceedings of the First International Symposium on Long Wavelength Infrared Detectors and Arrays: Physics and Applications Farhad Radpour, Victor R. McCrary, 1995 International Symposium on Long Wavelength Infrared Detectors and Arrays: Physics and Applications, Semiconductor Quantum Wells and Superlattices for Long-wavelength Infrared Detectors Mahmoud Omar Manasreh, 1993 Provides a basic understanding of how semiconductor quantum wells and superlattices can be used for long wavelength infrared detectors and related systems It represents a step towards a knowledge of novel structures that could be used for high performance infrared detectors and imaging rays Proceedings of the Third International Symposium on Long Wavelength Infrared Detectors and Arrays: Physics and Applications III Sheng S. Li.1995 **Scientific and Technical Aerospace Reports**, 1994 *Proceedings of the Sixth International Symposium* on Long Wavelength Infrared Detectors and Arrays: Physics and Applications ,1999 **New Ternary Alloy Systems for Infrared Detectors** Antoni Rogalski,1994 Handbook of Infrared Detection Technologies M. Henini, M. Razeghi, 2002-12-11 Introduction Comparison of Photon and Thermal Detectors Performance GaAs AIGaAs Based Quantum Well Intra red Photodetector Focal Plane Arrays GaInAs P Based Qwips on GaAs InP and Si Substrates for Focal Plane Arrays InAs Galn Sb Superlattices A Promising Material System for Infra red Detection GaSb InAs Superlattices for Infra red FPAs MCT Properties Growth Methods and Characterization HgCdTe 2D Arrays Technology and Performance Limits Status of HgCdTe MBE Technology Silicon Infra red Focal Plane Arrays PolySiGe Uncooled Microbolometers for Thermal Infra red

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first book to compare new detectors to a wide family of common commercially available detectors that use traditional materials *DDC Retrieval and Indexing Terminology* Defense Documentation Center (U.S.).,1975

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