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| Altri autori (Persone) | Henini, Mohamed Razeghi, M |
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| Nota di contenuto | Introduction -- Comparison of Photon and Thermal Detectors Performance -- GaAs/AlGaAs Based Quantum Well Intra-red Photodetector Focal Plane Arrays -- GaInAs(P) Based Qwips on GaAs, InP and Si Substrates for Focal Plane Arrays -- InAs/(GaIn)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 Detection -- Infra-red Silicon/Germanium Detectors -- Fundamentals of Spin Filtering in Ferromagnetic Metals with Application to Spin Sensors |
| Sommario/riassunto | The use of lasers which emit infra-red radiation and sophisticated detectors of IR radiation is increasing dramatically: they are being used for long-distance fibre-optic communications and remote environmental monitoring and sensing. Thus they are of interest to the telecommunications industry and the military in particular. This book has been designed to bring together what is known on these devices, using an international group of contributors |

