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标题: THz Photoconductive Antennas Made From Ion-Bombarded Semiconductors
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来源出版物: JOURNAL OF INFRARED MILLIMETER AND TERAHERTZ WAVES 卷: 33 期: 4 页: 455-473 DOI: 10.1007/s10762-011-9848-8 出版年: APR 2012
在 Web of Science 中的被引频次: 0
被引频次合计: 0
引用的参考文献数: 54
摘要: We review the most important developments in the technology of THz photoconductive antennas made from ion-bombarded semiconductors. We describe the structural, optical and electrical properties of various ion-bombarded semiconductors and discuss the nature of the defects introduced by the ion bombardment technique and their impact on the characteristics of THz photoconductive antennas. Finally, we present the performances achieved by photoconductive antennas based on ion-bombarded semiconductors for optical excitation at various wavelength.
入藏号: WOS:000302075900006
语种: English
文献类型: Article
作者关键词: Terahertz; Photoconductive antennas; Ion implantation; Ion irradiation; Telecommunication
KeyWords Plus: 1.55 MU-M; PICOSECOND CARRIER LIFETIME; TERAHERTZ FIELD DETECTION; IRRADIATED BULK GAAS; IMPLANTED GAAS; OPTOELECTRONIC APPLICATIONS; NONEQUILIBRIUM CARRIERS; ABSORPTION SATURATION; SEMIINSULATING GAAS; EMISSION PROPERTIES
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出版商: SPRINGER
出版商地址: 233 SPRING ST, NEW YORK, NY 10013 USA
Web of Science 分类: Engineering, Electrical & Electronic; Optics; Physics, Applied
学科类别: Engineering; Optics; Physics
IDS 号: 916CW
ISSN: 1866-6892
29 字符的来源出版物名称缩写: J INFRARED MILLIM TE
ISO 来源出版物缩写: J. Infrared Millim. Terahertz Waves
来源出版物页码计数: 19