

1. Record Nr.	UNICAMPANIASUN0052561
Autore	Liotard, Jean-Etienne
Titolo	Jean-Etienne Liotard / Giovanni Previtali
Pubbl/distr/stampa	Milano : Fabbri, 1966
Descrizione fisica	1v. ; 36cm.
Soggetti	Liotard, Jean-Etienne
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia
2. Record Nr.	UNINA9910508453803321
Titolo	Advances in Terahertz Technology and Its Applications // edited by Sudipta Das, N. Anveshkumar, Joydeep Dutta, Arindam Biswas
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2021
ISBN	981-16-5731-9
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (375 pages)
Collana	Physics and Astronomy Series
Disciplina	621.38133
Soggetti	Submillimeter waves Solid state physics Signal processing Biomedical engineering Nanoscience Terahertz Optics Electronic Devices Signal, Speech and Image Processing Biomedical Devices and Instrumentation Nanophysics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

Nota di contenuto

1. Recent Trends in Terahertz Antenna Development Implementing Planar Geometries -- 2. Element Failure Correction Techniques for Phased Array Antennas in Future Terahertz Communication Systems -- 3. The Magneto Electron Statistics in Heavily Doped Doping Super lattices at Terahertz Frequency -- 4. Circularly Polarized Dual Band Terahertz Antenna Embedded on Badge for Military and Security Applications -- 5. Tera-bit per second Quantum Dot Semiconductor Optical Amplifier based all optical NOT and NAND gates.

Sommario/riassunto

This book highlights the growing applications of THz technology and various modules used for their successful realization. The enormous advantages of THz devices like higher resolution, spatial directivity, high-speed communication, greater bandwidth, non-ionizing signal nature and compactness make them useful in various applications like communication, sensing, security, safety, spectroscopy, manufacturing, bio-medical, agriculture, imaging, etc. Since the THz radiation covers frequencies from 0.1THz to around 10THz and highly attenuated by atmospheric gases, they are used in short-distance applications only. The book focuses on recent advances and different research issues in terahertz technology and presents theoretical, methodological, well-established and validated empirical works dealing with the different topics.
