

1. Record Nr.	UNINA9910585938003321
Autore	Wojtas Jacek
Titolo	Photonic Technology for Precision Metrology
Pubbl/distr/stampa	Basel, : MDPI - Multidisciplinary Digital Publishing Institute, 2022
Descrizione fisica	1 online resource (126 p.)
Soggetti	History of engineering & technology Technology: general issues
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	<p>Photonics has had a decisive influence on recent scientific and technological achievements. It includes aspects of photon generation and photon-matter interaction. Although it finds many applications in the whole optical range of the wavelengths, most solutions operate in the visible and infrared range. Since the invention of the laser, a source of highly coherent optical radiation, optical measurements have become the perfect tool for highly precise and accurate measurements. Such measurements have the additional advantages of requiring no contact and a fast rate suitable for in-process metrology. However, their extreme precision is ultimately limited by, e.g., the noise of both lasers and photodetectors. The Special Issue of the Applied Science is devoted to the cutting-edge uses of optical sources, detectors, and optoelectronics systems in numerous fields of science and technology (e.g., industry, environment, healthcare, telecommunication, security, and space). The aim is to provide detail on state-of-the-art photonic technology for precision metrology and identify future developmental directions. This issue focuses on metrology principles and measurement instrumentation in optical technology to solve challenging engineering problems.</p>

2. Record Nr.	UNINA9910133360303321
Autore	Luc Descroix
Titolo	La Sierra Madre Occidentale : un château d'eau menacé // éditeurs scientifiques, Luc Descroix ... [et al.]
Pubbl/distr/stampa	Paris, : IRD, 2005
ISBN	9782709917971 2709917971
Descrizione fisica	1 online resource (327 p.) : ill., maps ;
Collana	Collection Latitudes 23
Altri autori (Persone)	DescroixLuc
Soggetti	Water quality management - Mexico - Sierra Madre Occidental Region Environmental protection - Mexico - Sierra Madre Occidental Region Water-supply - Mexico - Sierra Madre Occidental Region Civil & Environmental Engineering Engineering & Applied Sciences Environmental Engineering
Lingua di pubblicazione	Francese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references.
Sommario/riassunto	L'eau est rare au nord du Mexique, et la gestion de cette ressource limitée est devenue une priorité nationale. Dans ce contexte, la Sierra Madré occidentale, château d'eau pour tout le nord du pays, est un espace particulièrement convoité. La relative abondance en eau y a entraîné le développement de pâturages et d'exploitations forestières, provoquant une surexploitation des milieux et des ressources. La déglaciation des sols liée au surpâturage et au déboisement conduit de fait inévitablement à celle de l'eau et menace aujourd'hui le potentiel de toute cette région. À travers des études de cas précises, cet ouvrage montre comment la gestion de l'eau est liée à celle de l'espace et nécessite la prise en compte des besoins de l'ensemble des usagers, du bûcheron au gardien de troupeaux. Cette gestion patrimoniale, qui permet de régler les nombreux conflits d'usage, forme un modèle de développement dont de nombreux pays de montagne pourraient s'inspirer.

