

1. Record Nr.	UNINA9910705777503321
Autore	Singh Jag J.
Titolo	Microstructural characterization of polymers by positron lifetime spectroscopy / / by Jag J. Singh
Pubbl/distr/stampa	Hampton, VA : , : NASA Langley Research Center, , [1996]
Descrizione fisica	1 online resource (6 unnumbered pages) : illustrations
Collana	NASA-TM ; ; 110469
Soggetti	Positron annihilation Acrylic resins Epoxy compounds Aging (materials) Polyimides Spectroscopy Microstructure Quenching (atomic physics)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Invited paper presented at Fourteenth International Conference on the Applications of Accelerators in Research and Industry held at University of North Texas at Denton, Texas, Nov. 6-9, 1996."
Nota di bibliografia	Includes bibliographical references (pages [6]).

2. Record Nr.	UNINA9910695490103321
Autore	Gordon Debbie W (Debbie Warner)
Titolo	Water, essential resource of the southern Flint River Basin, Georgia [[electronic resource] /] / by Debbie Warner and Virgil Norton
Pubbl/distr/stampa	Reston, Va. : , : U.S. Dept. of the Interior, U.S. Geological Survey, , 2004
Descrizione fisica	1 sheet : digital, PDF file
Altri autori (Persone)	NortonVirgil
Soggetti	Water-supply - Georgia - Flint River Watershed
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from title screen (viewed on Nov. 9, 2006). "U.S. Geological Survey general interest publication 4."
3. Record Nr.	UNINA9910725093003321
Autore	Hu Zhengbin
Titolo	Laser Polarimetry of Biological Tissues : Computer Algorithms for Data Processing in Forensic Age Determination of Injuries // by Zhengbin Hu, I.L. Bezhnar, O.Y. Vanchulyak, A. G. Ushenko, Yu. A. Ushenko, Mykhailo P. Gorsky, Igor Meglinski
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2023
ISBN	9789819917341 9789819917334
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (107 pages)
Collana	SpringerBriefs in Applied Sciences and Technology, , 2191-5318
Altri autori (Persone)	Bezhnarl. L VanchulyakO. Y UshenkoA. G UshenkoYu. A GorskyMykhailo P Meglinskilgor
Disciplina	614.1
Soggetti	Optics Medical jurisprudence Algorithms Artificial intelligence - Data processing Medical physics

Applied Optics
Forensic Medicine
Data Science
Medical Physics

Lingua di pubblicazione

Inglese

Formato

Materiale a stampa

Livello bibliografico

Monografia

Nota di contenuto

1. Analysis of Modern Aspects of Determination of Lifetime and Injuries Prescriptions in Forensic Medicine -- 2. Materials and Methods of Research in Laser Polarimetry Data Processing of Biological Tissues for Forensic Determining the Age of Injury -- 3. Determination of the Lifetime and Post-Mortal Nature and Temporal Dynamics of the Formation of Abrasions of Human Skin -- 4. Study of Two-Dimensional Polarization Maps of the Skin for Differentiation of Lifetime and Post-Mortal Nature and Temporal Dynamics of Abrasions -- 5. Study of the Evolution of Phase Images of the Skin for Differentiation Of the Lifetime and Post-Mortal Skin Abrasions and the Time of their Appearance.

Sommario/riassunto

This book highlights the results of numerical computer-aided smart methods as part of a comprehensive statistical, correlated, and fractal analysis of laser polarimetry. It includes a comprehensive approach to differentiation of lifelong or postmortem origin of injuries and determination of their antiquity based on the analysis of statistical and spatiotemporal frequency evolution of photometric, polarization, and phase parameters of laser images of histological sections of the skin of biomannequins. It discusses the relationship between the coordinate distributions of the intensity of laser images from skin tissues of biomannequins and the nature of its damage. It presents the analysis of relationships between changes in the mean and variance of coordinate distributions of azimuths and ellipticity of polarization images of histological skin sections and the time intervals after injury. Complex differentiation of lifelong and postmortem skin injuries of biomannequins and establishment of their time intervals throughout the entire monitoring interval of changes in the mean and variance of coordinate distributions of phase shifts between orthogonal components of the amplitude of laser images of a series of corresponding histological sections are also presented in this book.