1. Record Nr. UNINA9910144706403321

Autore	Schnabel W (Wolfram)
Titolo	Polymers and light [[electronic resource]] : fundamentals and technical applications / / W. Schnabel
Pubbl/distr/stampa	Weinheim, : Wiley-VCH Chichester, : John Wiley [distributor], c2007
ISBN	1-280-92172-2 9786610921720 3-527-61102-9 3-527-61103-7
Descrizione fisica	1 online resource (399 p.)
Disciplina	547.7 620.19204295
Soggetti	Polymers - Optical properties Polymers - Properties Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Polymers and Light; Contents; Preface; Introduction; Part I Light-induced physical processes in polymers; 1 Absorption of light and subsequent photophysical processes; 1.1 Principal aspects; 1.2 The molecular orbital model; 1.3 The Jablonski diagram; 1.4 Absorption in non-conjugated polymers; 1.5 Absorption in conjugated polymers; 1.6 Deactivation of electronically excited states; 1.6.1 Intramolecular deactivation; 1.6.2 Intermolecular deactivation; 1.6.3 Energy migration and photon harvesting; 1.6.4 Deactivation by chemical reactions; 1.7 Absorption and emission of polarized light 1.7.1 Absorption1.7.2 Absorption by chiral molecules; 1.7.3 Emission; 1.8 Applications; 1.8.1 Absorption spectroscopy; 1.8.1.1 UV/Vis spectroscopy; 1.8.1.2 Circular dichroism spectroscopy; 1.8.1.3 IR spectroscopy; 1.8.2 Luminescence; 1.8.3 Time-resolved spectroscopy; 1.8.3.1 General aspects; 1.8.3.2 Experimental techniques; 1.8.3.3 Applications of time-resolved techniques; 1.8.3.3.1 Optical absorption; 1.8.3.3.2 Luminescence; References; 2 Photoconductivity; 2.1

Introductory remarks; 2.2 Photogeneration of charge carriers; 2.2.1 General aspects; 2.2.2 The exciton model
2.2.3 Chemical nature of charge carriers2.2.4 Kinetics of charge carrier generation; 2.2.5 Quantum yield of charge carrier generation; 2.3 Transport of charge carriers; 2.4 Mechanism of charge carrier transport in amorphous polymers; 2.5 Doping; 2.6 Photoconductive polymers produced by thermal or high-energy radiation treatment; 2.7 Photoconductive polymers produced by plasma polymerization or glow discharge; References; 3 Electro-optic and nonlinear optical phenomena; 3.1 Introductory remarks; 3.2 Fundamentals; 3.2.1 Electric field dependence of polarization and dipole moment
3.2.2 Electric field dependence of the index of refraction3.3 Characterization techniques; 3.3.1 Second-order phenomena; 3.3.1.1 Determination of the hyperpolarizability ; 3.3.1.2 Determination of the susceptibility ((2)); 3.3.2 Third-order phenomena; 3.3.2.1 Third harmonic generation; 3.3.2.2 Self-focusing/defocusing; 3.3.2.3 Two-photon absorption (TPA); 3.3.2.4 Degenerate four-wave mixing (DFWM) and optical phase conjugation; 3.4 Nonlinear optical materials; 3.4.1 General aspects; 3.4.2 Second-order NLO materials; 3.4.2.1 Guest-host systems and NLO polymers; 3.4.2.2 Orientation techniques
3.4.3 Third-order NLO materials3.5 Applications of NLO polymers; 3.5.1 Applications relating to telecommunications; 3.5.2 Applications relating to optical data storage; 3.5.3 Additional applications; References; 4 Photorefractivity; 4.1 The photorefractive effect; 4.2 Photorefractive formulations; 4.3 Orientational photorefractivity; 4.4 Characterization of PR materials; 4.5 Applications; References; 5 Photochromism; 5.1 Introductory remarks; 5.2 Conformational changes in linear polymers; 5.2.1 Solutions; 5.2.2 Membranes; 5.3 Photocontrol of enzymatic activity
5.4 Photoinduced anisotropy (PIA)

Sommario/riassunto

This first book to focus on the important and topical effect of light on polymeric materials reflects the multidisciplinary nature of the topic, building a bridge between polymer chemistry and physics, photochemistry and photophysics, and materials science.Written by one experienced author, a consistent approach is maintained throughout, covering such applications as nonlinear optical materials, core materials for optical waveguides, photoresists in the production of computer chips, photoswitches and optical memories.Advanced reading for polymer, physical and organic chemists, manufact

2. Record Nr. UNINA9910793593303321

Autore	Ball Gregory W. <1969->
Titolo	Texas and World War I / / Gregory W. Ball
Pubbl/distr/stampa	Austin : , : Texas State Historical Association, , 2019
ISBN	1-62511-053-7
Descrizione fisica	1 online resource (164 pages)
Collana	Number 26 in the Fred Rider Cotten popular history series
Disciplina	940.3764
Soggetti	World War, 1914-1918 - Texas World War, 1914-1918 - Social aspects - Texas Texas Politics and government 1865-1950
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction and origins of the war -- Texas on the eve of war -- The war effort at home -- Conscription and recruitment -- Training in Texas -- Texans in combat -- The legacy of World War I for Texas.

3. Record Nr. UNINA9910133001403321

Autore	Bernardelli Andrea
Titolo	La narrazione / / Andrea Bernardelli
Pubbl/distr/stampa	Roma [etc.], : GLF editori Laterza, 1999
ISBN	9788858109663 885810966X
Descrizione fisica	134 p. ; ; 18 cm
Collana	Alfabeto letterario ; ; 12
Disciplina	808 809 801
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Sommario/riassunto	Nella prima parte del testo si forniscono le coordinate generali della narrazione letteraria e una prima definizione degli strumenti di analisi del testo narrativo. Nella seconda parte - grazie all'impiego di esempi di alcuni classici del genere romanzo - si definiscono in particolare alcuni tra i principali dispositivi e strumenti narrativi. Il testo ha il pregio di illustrare l'essenziale delle tecniche di costruzione e analisi del testo letterario, fornendo un utile e interessante strumento di base per studenti e docenti in cerca di una prima definizione della materia narratologica.

4. Record Nr. UNINA9910736021103321

Autore	Machado Jose Manuel
Titolo	AI-assisted Solutions for COVID-19 and Biomedical Applications in Smart Cities : Third EAI International Conference, AISCOVID-19 2022, Braga, Portugal, November 16-18, 2022, Proceedings / / edited by José Manuel Machado, Hugo Peixoto
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2023
ISBN	9783031382048 3031382048
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (106 pages)
Collana	Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, , 1867-822X ; ; 485
Altri autori (Persone)	PeixotoHugo
Disciplina	610.285
Soggetti	Medical informatics Data structures (Computer science) Information theory Coding theory Application software Information storage and retrieval systems Health Informatics Data Structures and Information Theory Coding and Information Theory Computer and Information Systems Applications Information Storage and Retrieval
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	COVID-19 Global Impact -- Not Necessarily Relaxed: How Work Interruptions affect Users' Perception of Stress in Remote Work Situations -- COVID-19 cases and their impact on global air traffic -- The Impact of contingency measures on the COVID-19 reproduction rate -- AI applied to COVID-19 -- Business Intelligence Platform for COVID-19 Monitoring: A Case Study -- First Clustering Analysis of COVID in Portugal -- Multichannel services for patient home-based care during COVID-19 -- Machine Learning In Healthcare -- Steps

Towards Intelligent Diabetic Foot Ulcer Follow-up based on Deep Learning -- Recommendation of Medical Exams to Support Clinical Diagnosis based on Patient's Symptoms.

Sommario/riassunto

This book constitutes the refereed post-conference proceedings of the Third International Conference on AI-assisted Solutions for COVID-19 and Biometrical Applications in Smart Cities, AISCOVID-19 2022, held in November 2022 in Braga, Portugal. The 8 full papers of AISCOVID-19 2022 were carefully selected from 21 submissions and present a comprehensive and up-to-date look at the intersection of COVID-19, big data, machine learning, deep learning, and healthcare. The theme of AISCOVID-19 2022 was Healthcare effective and efficient Solutions for COVID-19 that can be achieved using Artificial Intelligence and Computer-Assisted paradigms.