

1. Record Nr.	UNINA9911003589103321
Titolo	Cholesteric Liquid Crystals : Dielectric and Optical Applications // edited by Pankaj Kumar, Vandna Sharma, Vinayak Adimule
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2025
ISBN	981-9638-21-6
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (XXIV, 307 p. 143 illus., 135 illus. in color.)
Collana	Engineering Materials, , 1868-1212
Disciplina	530.429
Soggetti	Liquid crystals Optics Telecommunication Polymers Liquid Crystals Applied Optics Microwaves, RF Engineering and Optical Communications
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction to Cholesteric Liquid Crystals, Preparation and device Architectures -- Recent Advances in Fabrication, Photo switching Properties of Cholesteric Liquid Crystals -- Recent developments in the Photoisomerization and color contrast ratio of various types of cholesteric liquid crystals -- Recent Advances in the Optical Properties of Cholesteric Liquid Crystals -- Role of Chiral Dopants, Luminescence Applications of Cholesteric Liquid Crystals.
Sommario/riassunto	This book highlights the latest developments and advancements in cholesteric liquid crystals. It covers a wide range of techniques to develop/modify the cholesteric liquid crystal systems with various optically active chiral dopants. It presents the unexplored features of cholesteric liquid crystals, their diverse properties such as fluorescence, photoluminescence, utility in optical smart windows, optical switching states, energy, and sensor usage with the modification by various carbon-based nanomaterials as intercalating substances. The book examines developments in the field of size and shape of cholesteric liquid crystals. In summary, the book is essential for readers to

understand all parameters of cholesteric liquid crystals relating to the device architectures, techniques of formation, optical storage applications, display properties, and various diversified applications in the field of optical smart windows, molecular switches, etc.

2. Record Nr.

Titolo

UNINA9910965825503321

The digital dilemma : intellectual property in the information age // Committee on Intellectual Property Rights and the Emerging Information Infrastructure, Computer Science and Telecommunications Board Commission on Physical Sciences, Mathematics, and Applications, National Research Council

Pubbl/distr/stampa

Washington, D.C., : National Academy Press, c2000

ISBN

978058522353X
9780309172912
0309172918
9780309518581
030951858X
9780585223537
058522353X

Edizione

[1st ed.]

Descrizione fisica

1 online resource (364 p.)

Disciplina

346.7304/8

Soggetti

Intellectual property - United States
Copyright and electronic data processing - United States
Information superhighway - Law and legislation - United States

Lingua di pubblicazione

Inglese

Formato

Materiale a stampa

Livello bibliografico

Monografia

Note generali

Bibliographic Level Mode of Issuance: Monograph

Nota di bibliografia

Includes bibliographical references (p. 240-249) and index.

Nota di contenuto

Front Matter -- Preface -- Acknowledgment of Reviewers -- Contents -- Executive Summary -- 1 The Emergence of the Digital Dilemma -- 2 Music: Intellectual Property's Canary in the Digital Coal Mine -- 3 Public Access to the Intellectual, Cultural, and Social Record -- 4 Individual Behavior, Private Use and Fair Use, and the System for Copyright -- 5 Protecting Digital Intellectual Property: Means and Measurements -- 6

Conclusions and Recommendations -- Bibliography -- APPENDIX C
Networks: How the Internet Works -- APPENDIX D Information
Economics: A Primer -- APPENDIX E Technologies for Intellectual
Property Protection -- APPENDIX F Copyright Education -- APPENDIX G
The Digital Millennium Copyright Act of 1998 and Circumvention of
Technological Protection Measures -- Index.

Sommario/riassunto

Imagine sending a magazine article to 10 friends-making photocopies, putting them in envelopes, adding postage, and mailing them. Now consider how much easier it is to send that article to those 10 friends as an attachment to e-mail. Or to post the article on your own site on the World Wide Web. The ease of modifying or copying digitized material and the proliferation of computer networking have raised fundamental questions about copyright and patent--intellectual property protections rooted in the U.S. Constitution. Hailed for quick and convenient access to a world of material, the Internet also poses serious economic issues for those who create and market that material. If people can so easily send music on the Internet for free, for example, who will pay for music? This book presents the multiple facets of digitized intellectual property, defining terms, identifying key issues, and exploring alternatives. It follows the complex threads of law, business, incentives to creators, the American tradition of access to information, the international context, and the nature of human behavior. Technology is explored for its ability to transfer content and its potential to protect intellectual property rights. The book proposes research and policy recommendations as well as principles for policymaking.
