1. Record Nr. UNINA9910329458103321

Titolo	Advanced materials for optics and electronics
Pubbl/distr/stampa	[Chichester, England], : John Wiley & Sons, Ltd., ©1992-©2000
ISSN	1099-0712
Descrizione fisica	1 online resource
Disciplina	621
Soggetti	Molecular electronics - Materials Electrooptics - Materials Optoelectronics - Materials Electronics Optics and Photonics Electronique moleculaire - Materiaux Materiaux electro-optiques Optoelectronique - Materiaux Electrònica molecular Electroòptica Optoelectrònica Periodical Periodicals. Revistes electròniques.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	Title from table of contents screen (Wiley InterScience, viewed: May 23, 2006).

2. Record Nr. UNINA9910130815703321

Autore	Frank Steven A.
Titolo	Dynamics of cancer : incidence, inheritance, and evolution
Pubbl/distr/stampa	[Place of publication not identified], : Princeton University Press, 2007
ISBN	0-691-13365-4 0-691-13366-2
Collana	Princeton series in evolutionary biology Dynamics of cancer
Disciplina	616.99/4071
Soggetti	Carcinogenesis - Age factors Cancer - Genetic aspects Cancer - Epidemiology Cancer Neoplasms - etiology Age of Onset Gene Expression Regulation, Neoplastic Genetic Predisposition to Disease Mutagenesis Stem Cells Medicine Health & Biological Sciences Oncology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	; Age of cancer incidence -- Multistage progression -- History of theories -- Progression dynamics -- Theory I -- Theory II -- Genetics of progression -- Carcinogens -- Aging -- Inheritance -- Stem cells : tissue renewal -- Stem cells : population genetics -- Cell lineage history.
Sommario/riassunto	The onset of cancer presents one of the most fundamental problems in modern biology. In Dynamics of Cancer , Steven Frank produces the first comprehensive analysis of how particular genetic and environmental causes influence the age of onset. The book provides a

unique conceptual and historical framework for understanding the causes of cancer and other diseases that increase with age. Using a novel quantitative framework of reliability and multistage breakdown, Frank unifies molecular, demographic, and evolutionary levels of analysis. He interprets a wide variety of observations on the age of cancer onset, the genetic and environmental causes of disease, and the organization of tissues with regard to stem cell biology and somatic mutation. Frank uses new quantitative methods to tackle some of the classic problems in cancer biology and aging: how the rate of increase in the incidence of lung cancer declines after individuals quit smoking, the distinction between the dosage of a chemical carcinogen and the time of exposure, and the role of inherited genetic variation in familial patterns of cancer. This is the only book that presents a full analysis of the age of cancer onset. It is a superb teaching tool and a rich source of ideas for new and experienced researchers. For cancer biologists, population geneticists, evolutionary biologists, and demographers interested in aging, this book provides new insight into disease progression, the inheritance of predisposition to disease, and the evolutionary processes that have shaped organismal design.