1. Record Nr. UNINA9911004816903321

Autore	Boreman G. D (Glenn D.)
Titolo	Basic electro-optics for electrical engineers / / Glenn D. Boreman
Pubbl/distr/stampa	Bellingham, Wash., : SPIE Optical Engineering Press, 1998
ISBN	9781615837427 1615837426 9780819478573 0819478571
Descrizione fisica	1 online resource (101 p.)
Collana	Tutorial texts in optical engineering ; ; v. TT 31
Disciplina	621.36
Soggetti	Integrated optics Electrooptical devices Optoelectronic devices
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	1. Geometrical optics -- Introduction -- Electromagnetic spectrum -- Rays -- Imaging concepts -- Aperture stop, marginal ray, and F/# -- Field stop, chief ray, and field of view -- Thick lenses and lens combinations -- Image quality and diffraction -- Image quality and aberrations -- Materials considerations -- 2. Modulation transfer function -- Introduction -- Transfer functions -- Resolution -- MTF calculations -- 3. Radiometry -- Introduction -- Solid angle -- Flux-transfer calculations -- 4. Sources of radiation -- Introduction -- Blackbody radiation -- Emissivity -- 5. Detectors -- Introduction -- Cutoff wavelength -- Cooling requirements -- Spectral responsivity -- Frequency response and noise-equivalent bandwidth -- Noise terminology -- Shot noise and generation-recombination noise -- Johnson noise and 1/f noise -- Noise specification of detectors: noise-equivalent power -- Normalized detectivity D* -- Photovoltaic detectors -- Schottky-Barrier detectors -- Photoconductive detectors -- Photoemissive detectors -- Bolometric detectors -- Pyroelectric detectors -- 6. Lasers -- Introduction -- Directionality, monochromaticity, and brightness -- Gaussian beams -- Temporal laser-beam measurements -- Spatial laser beam measurements.

Sommario/riassunto	This text introduces imaging, radiometry, sources, detectors, and lasers, with special emphasis on flux-transfer issues. The first-order approach enables students to make back-of-the-envelope calculations needed for initial setup of optical apparatus. It is intended for students and newcomers to electro-optics.

2. Record Nr. UNINA9911019220203321

Titolo	Tumour necrosis factor and related cytotoxins
Pubbl/distr/stampa	Chichester ; ; New York, : Wiley, 1987
ISBN	9786612345890 9781282345898 1282345893 9780470513521 0470513527 9780470513538 0470513535
Descrizione fisica	1 online resource (254 p.)
Collana	Ciba Foundation symposium ; ; 131
Altri autori (Persone)	BockGregory MarshJoan
Disciplina	616.99/2071
Soggetti	Tumor necrosis factor Cytokines
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Editors: Gregory Bock (Organizer) and Joan Marsh. Papers presented at the Symposium on Tumour Necrosis Factor and Related Cytotoxins held at the Ciba Foundation, London, 20-22 January 1987. "A Wiley-Interscience publication."
Nota di bibliografia	Includes bibliographies and indexes.
Nota di contenuto	TUMOUR NECROSIS FACTOR AND RELATED CYTOTOXINS; Contents; Participants; Introduction; Natural production and release of tumour necrosis factor; Possible relationships between in vivo antiturnour activity and toxicity of tumour necrosis factor-a; Human tumour

	necrosis factors: structure and receptor interactions; Cytocidal activity of tumour necrosis factor: protection by protease inhibitors; Lymphotoxin: cloning, regulation and mechanism of killing; General discussion I; Physiological responses to cachectin; Structure-function relationship of tumour necrosis factor and its mechanism of action Relationship of tumour necrosis factor and endotoxin to macrophage cytotoxicity, haemorrhagic necrosis and lethal shockAntitumour effects of tumour necrosis factor: cytotoxic or necrotizing activity and its mechanism; Effects of tumour necrosis factor on human tumour xenografts in nude mice; Effects of tumour necrosis factor and related cytokines on vascular endothelial cells; General discussion II; Antiparasitic effects of tumour necrosis factor in vivo and in vitro; Clinical studies with tumour necrosis factor; Summing- up; Index of contributors; Subject index
Sommario/riassunto	The number of factors implicated in the regulation of cell proliferation and differentiation is already considerable and more are continually being identified. This book concentrates on tumor necrosis factor (cachectin) and lymphotoxin, but includes observations of their interactions with other cytokines, especially the interferons and interleukins. TNF can be either cytostatic or cytotoxic to cultured cell lines, and a variety of mechanisms are proposed, ranging from DNA fragmentation to activation of phospholiopases. TNF is also reported to stimulate the growth of normal fibroblasts in vivo.