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Titolo	EW 102 : a second course in electronic warfare / / David L. Adamy
Pubbl/distr/stampa	Boston : , : Artech House, , ©2004 [Piscataqay, New Jersey] : , : IEEE Xplore, , [2003]
ISBN	1-5231-1715-X 1-58053-687-5
Descrizione fisica	1 online resource (290 p.)
Collana	Artech House radar library
Disciplina	623.043
Soggetti	Electronics in military engineering Information warfare 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 (p. 259-262) and index.
Nota di contenuto	Table of contents; Preface xv; 1 Introduction 1; 1.1 Generalities About EW 3; 1.2 Information Warfare 5; 1.3 How to Understand Electronic Warfare 6; 2 Threats 9; 2.1 Some Definitions 9; 2.2 Frequency Ranges 13; 2.3 Threat Guidance Approaches 15; 2.4 Scan Characteristics of Threat Radars 17; 2.5 Modulation Characteristics of Threat Radars 22; 2.6 Communication Signal Threats 26; 3 Radar Characteristics 33; 3.1 The Radar Function 33; 3.2 Radar Range Equation 36; 3.3 Detection Range Versus Detectability Range 42; 3.4 Radar Modulation 48; 3.5 Pulse Modulation 48. 3.6 CW and Pulse Doppler Radars 543.7 Moving Target Indicator Radars 58; 3.8 Synthetic Aperture Radars 63; 3.9 Low Probability of Intercept Radars 67; 4 Infrared and Electro-Optical Considerations in Electronic Warfare 77; 4.1 The Electromagnetic Spectrum 77; 4.2 IR Guided Missiles 82; 4.3 IR Line Scanners 87; 4.4 Infrared Imagery 90; 4.5 Night-Vision Devices 94; 4.6 Laser Target Designation 98; 4.7 Infrared Countermeasures 101; 5 EW.
Sommario/riassunto	Annotation Serving as a continuation of the bestselling book EW 101: A First Course in Electronic Warfare, this new volume is a second installment of popular tutorials featured in the Journal of Electronic Defense. Without delving into complex mathematics, this book gives

engineers, defense contractors, managers, and government procurers a basic working knowledge of the technologies deployed in today's electronic warfare (EW) systems. Organized into chapters with new introductory and supplementary material from the author, this unique book includes tutorials on radar characteristics, infrared and electro-optical systems, signal jamming, spectrum spreading, satellite communications, and emitter location systems. A thorough and challenging problem set for each class of EW technology covered in the book, complete with solutions, helps readers to evaluate EW systems and their applications.

2. Record Nr. UNINA9910831067103321

Titolo	Protein misfolding diseases [[electronic resource]] : current and emerging principles and therapies / / edited by Marina Ramirez-Alvarado, Jeffery W. Kelly, Christopher M. Dobson
Pubbl/distr/stampa	Hoboken, N.J., : Wiley, c2010
ISBN	1-118-03181-4 1-282-65355-5 9786612653551 0-470-57270-1 0-470-57269-8
Descrizione fisica	1 online resource (1102 p.)
Collana	Wiley series on protein and peptide science
Altri autori (Persone)	Ramirez-AlvaradoMarina KellyJeffery W DobsonC. M (Christopher M.)
Disciplina	616.3/995 616.3995
Soggetti	Proteins - Metabolism - Disorders Protein folding Amyloidosis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
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Nota di bibliografia	Includes bibliographical references and index.

Nota di contenuto	PROTEIN MISFOLDING DISEASES; CONTENTS; CONTRIBUTORS; FOREWORD; PREFACE; ACKNOWLEDGMENTS; INTRODUCTION TO THE WILEY SERIES ON PROTEIN AND PEPTIDE SCIENCE; PART I PRINCIPLES OF PROTEIN MISFOLDING; PART II PROTEIN MISFOLDING DISEASE: GAIN-OF-FUNCTION AND LOSS-OF-FUNCTION DISEASES; PART III ROLE OF ACCESSORY MOLECULES AND RISK FACTORS; PART IV MEDICAL ASPECTS OF DISEASE: DIAGNOSIS AND CURRENT THERAPIES; PART V APPROACHES FOR NEW AND EMERGING THERAPIES; INDEX
Sommario/riassunto	An increasingly aging population will add to the number of individuals suffering from amyloid. Protein Misfolding Diseases provides a systematic overview of the current and emerging therapies for these types of protein misfolding diseases, including Alzheimer's, Parkinson's, and Mad Cow. The book emphasizes therapeutics in an amyloid disease context to help students, faculty, scientific researchers, and doctors working with protein misfolding diseases bridge the gap between basic science and pharmaceutical applications to protein misfolding disease.