

1. Record Nr.	UNINA9910451976203321
Titolo	Electronically scanned arrays [[electronic resource] ] : MATLAB modeling and simulation // edited by Arik D. Brown
Pubbl/distr/stampa	Boca Raton, Fla., : CRC Press, 2012
ISBN	1-4398-6164-1
Edizione	[1st edition]
Descrizione fisica	1 online resource (229 p.)
Altri autori (Persone)	BrownArik D
Disciplina	681.2
Soggetti	Antenna arrays - Mathematical models Beamforming - Mathematical models Antenna radiation patterns - Mathematical models Adaptive filters Engineering mathematics - Data processing 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.
Nota di contenuto	Front Cover; Contents; Preface; Acknowledgments; Contributors; Chapter 3: Subarray Beamforming; Chapter 4: Pattern Optimization; Chapter 5: Spaceborne Application of Electronically Scanned Arrays; Appendix A: Array Factor (AF) Derivation; Appendix B: Instantaneous Bandwidth (IBW) Derivation; Appendix C: Triangular Grating Lobes Derivation; Back Cover
Sommario/riassunto	""[Contains] more lengthy mathematical derivations than most {comparable books} ... for arrays, provides for a unique, stand-alone mathematical description that can be adopted by anyone trying to communicate the theoretical foundation for their array design...has insights from a practitioner that are unique. The MATLAB® scripts alone are worth the price.""-Daniel C. Ross, Ph. D, Northrop Grumman CorporationElectronically Scanned Arrays: MATLAB® Modeling and Simulation is considered the first book to provide comprehensive modeling/simulation programs use

2. Record Nr.	UNINA9910557307703321
Autore	Kasper Michael
Titolo	The Alveolar Epithelium : Mechanisms of Injury and Repair
Pubbl/distr/stampa	Basel, Switzerland, : MDPI - Multidisciplinary Digital Publishing Institute, 2020
Descrizione fisica	1 online resource (222 p.)
Soggetti	Biology, life sciences Research and information: general
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Alveolar epithelial cells (AECs) of the lung are important contributors to pulmonary immune functions and to pulmonary development and alveolar repair mechanisms following lung injury. AECL, together with the capillary endothelium, form the extremely thin barrier between alveolar air and blood. AECII produce and metabolize the surface-tension lowering and immune-modulating surfactant and are the progenitors of AECL. A great variety of processes rely on their normal functioning, including maintenance of the alveolar barrier; innate immune defense; and processes of differentiation, senescence, apoptosis, and autophagy. The wide range of AEC functions is nicely reflected by the diversity of topics addressed by the four review and eight original articles contained in this Special Issue of the International Journal of Molecular Sciences. Beyond the broad spectrum of topics, the authors of this issue also made use of an impressive variety of analytical methods, thus further illustrating the fascinating diversity of aspects related to AEC biology.