

1. Record Nr.	UNINA9910999694703321
Autore	Liu Ying
Titolo	Antenna Radar Cross Section: Theory and Design // by Ying Liu, Yongtao Jia, Shuxi Gong
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2025
ISBN	981-9612-26-8
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (XVI, 253 p. 269 illus., 150 illus. in color.)
Disciplina	621.382
Soggetti	Telecommunication Signal processing Communications Engineering, Networks Digital and Analog Signal Processing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1 INTRODUCTION -- Chapter 2 FUNDAMENTAL THEORY OF ANTENNA SCATTERING -- Chapter 3 ANALYSIS OF ANTENNA RCS -- Chapter 4 SCATTERING THEORY OF ARRAY ANTENNAS -- Chapter 5 NUMERICAL CALCULATION OF a MICROSTRIP ANTENNA AND ARRAY RCS -- Chapter 6 DESIGN OF A MICROSTRIP ANTENNA WITH A LOW RCS -- Chapter 7 DESIGN OF A LOW-RCS ANTENNA BASED ON AN FSS -- Chapter 8 PRRS AND THEIR APPLICATIONS FOR ANTENNA RCS REDUCTION -- Chapter 9 LOW-RCS ANTENNAS BASED ON METASURFACES.
Sommario/riassunto	This is the first book to focus specifically on antenna RCS reduction theory and design approaches. It covers both principles and engineering practice, and provides an in-depth study of a number of important topics, including fundamental theory, antenna and array analysis models, the rapid numerical computation method, and various low-RCS antenna design methods. The comprehensive and systematic discussion of practical issues in antenna RCS reduction makes it an ideal resource for readers interested in practical solutions to antenna stealth, particularly researchers, engineers and graduate students in the fields of microwave engineering, electrical and electronic engineering, and telecommunications engineering.

