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Titolo	Radar Energy Warfare and the Challenges of Stealth Technology // by Bahman Zohuri
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Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XVII, 420 p. 367 illus., 318 illus. in color.)
Disciplina	623.7348
Soggetti	Microwaves Optical engineering Optical materials Electronics - Materials Aerospace engineering Astronautics Lasers Photonics Microwaves, RF and Optical Engineering Optical and Electronic Materials Aerospace Technology and Astronautics Optics, Lasers, Photonics, Optical Devices
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Fundamentals of Radar -- Electronic Counter Measure and Electronic Counter-Counter Measure -- Radar Absorbing Material and Radar Cross Section -- Stealth Technology -- Appendix: Luneberg Lens Radar Reflector.
Sommario/riassunto	This book provides a solid foundation for understanding radar energy warfare and stealth technology. The book covers the fundamentals of radar before moving on to more advanced topics, including electronic counter and electronic counter-counter measures, radar absorbing materials, radar cross section, and the science of stealth technology. A final section provides an introduction to Luneberg lens reflectors. The

book will provide scientists, engineers, and students with valuable guidance on the fundamentals needed to understand state-of-the-art radar energy warfare and stealth technology research and applications. Provides an introduction to the fundamentals of radar; Examines the technical challenges of stealth technology; Describes current fifth generation warplanes and the coming sixth generation.
