

1. Record Nr.	UNINA9910454304703321
Autore	Field Timothy R
Titolo	Electromagnetic scattering from random media [[electronic resource] ] / Timothy R. Field
Pubbl/distr/stampa	Oxford ; ; New York, : Oxford University Press, 2009
ISBN	1-281-98545-7 9786611985455 0-19-154717-4
Descrizione fisica	1 online resource (199 p.)
Collana	International series of monographs on physics ; ; 144
Disciplina	530.14/1
Soggetti	Stochastic processes Random fields Mathematical physics Electromagnetic waves - Scattering 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. 174-180) and index.
Nota di contenuto	Contents; I: STOCHASTIC CALCULUS; II: DYNAMICS OF THE SCATTERING PROCESS; III: SIMULATION AND EXPERIMENT; A: Stability and infinite divisibility; B: Ito versus Stratonovich stochastic integrals; C: Filtrations, conditional probability, and Markov property; D: Girsanov's theorem; E: Partition function solution to BDI model; F: Summary of K-scattering; G: Iterative solution for vector processes; H: Open problems; I: Suggested further reading; References; Index
Sommario/riassunto	- ;The book develops the dynamical theory of scattering from random media from first principles. Its key findings are to characterize the time evolution of the scattered field in terms of stochastic differential equations, and to illustrate this framework

2. Record Nr.	UNINA9910298407803321
Titolo	Animal Biotechnology 1 : Reproductive Biotechnologies // edited by Heiner Niemann, Christine Wrenzycki
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	3-319-92327-7
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (VII, 304 p. 43 illus., 40 illus. in color.)
Disciplina	636.08
Soggetti	Biomedical engineering Veterinary medicine Animal genetics Genetic engineering Biomedical Engineering/Biotechnology Veterinary Medicine/Veterinary Science Animal Genetics and Genomics Genetic Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1. Evolution of Animal Breeding and Animal Biotechnology -- 2. Future Agricultural Animals: The Need for Biotechnology -- 3. Artificial Insemination in Domestic and Wild Animal Species -- 4. Technique and Application of Sex Sorted Sperm in Domestic Farm Animals -- 5. ET-Technologies in Domestic Cattle -- 6. ET-Technology in Small Ruminants -- 7. ET-Technology in Domestic Pigs -- 8. ET-Technologies in Horses -- 9. Endoscopy in Cattle Reproduction -- 10. Transvaginal Ultrasound-Guided Oocyte Retrieval (OPU: Ovum Pick-Up) in Cows and Mares -- 11. Preservation of Gametes and Embryos -- 12. In vitro Production of Farm Animal Embryos.
Sommario/riassunto	This two-volume textbook provides a comprehensive overview on the broad field of Animal Biotechnology with a special focus on livestock reproduction and breeding. The reader will be introduced to a variety of state-of-the-art technologies and emerging genetic tools and their applications in animal production. Also, ethics and legal aspects of

animal biotechnology will be discussed and new trends and developments in the field will be critically assessed. The two-volume work is a must-have for graduate students, advanced undergraduates and researchers in the field of veterinary medicine, genetics and animal biotechnology. This first volume mainly focuses on artificial insemination, embryo transfer technologies in diverse animal species and cryopreservation of oocytes and embryos.

---