1. Record Nr. UNINA9910300129803321

Autore	Merrill Kathy D
Titolo	Generalized Multiresolution Analyses / / by Kathy D. Merrill
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Birkhäuser, , 2018
ISBN	3-319-99175-2
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (121 pages)
Collana	Lecture Notes in Applied and Numerical Harmonic Analysis, , 2512-6482
Disciplina	515
Soggetti	Harmonic analysis Functional analysis Measure theory Abstract Harmonic Analysis Functional Analysis Measure and Integration
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction -- The Invariance of the Core Subspace -- The Multiplicity Function -- Wavelet Sets -- Generalized Filters -- Fractal Spaces -- Composite Dilations and Crystallographic Groups -- Abstract Constructions of GMRAs.
Sommario/riassunto	This monograph presents the first unified exposition of generalized multiresolution analyses. Expanding on the author’s pioneering work in the field, these lecture notes provide the tools and framework for using GMRAs to extend results from classical wavelet analysis to a more general setting. Beginning with the basic properties of GMRAs, the book goes on to explore the multiplicity and dimension functions of GMRA, wavelet sets, and generalized filters. The author’s constructions of wavelet sets feature prominently, with figures to illustrate their remarkably simple geometric form. The last three chapters exhibit extensions of wavelet theory and GMRAs to other settings. These include fractal spaces, wavelets with composite dilations, and abstract constructions of GMRAs beyond the usual setting of L2(n). This account of recent developments in wavelet theory will appeal to

		researchers and graduate students with an interest in multiscale analysis from a pure or applied perspective. Familiarity with harmonic analysis and operator theory will be helpful to the reader, though the only prerequisite is graduate level experience with real and functional analysis.

2.	Record Nr.	UNINA9910574855303321
	Autore	Prasad D. K. V.
	Titolo	Role of MicroRNAs in Cancers / / edited by DKV Prasad, Pinninti Santosh Sushma
	Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2022
	ISBN	981-16-9186-X
	Edizione	[1st ed. 2022.]
	Descrizione fisica	1 online resource (183 pages)
	Disciplina	616.994042
	Soggetti	Cancer - Treatment RNA interference Immunology Biochemical markers Cancer Therapy RNA Interference Biomarkers
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Description based upon print version of record.
	Nota di contenuto	Chapter 1. Introduction to microRNAs and cancers -- Chapter 2. microRNAs and cancer signaling pathways -- Chapter 3. Role of microRNAs in cell growth proliferation and tumorigenesis -- Chapter 4. Impact of microRNAs in cell adhesion and tumor angiogenesis -- Chapter 5. Modulation of oxidative stress by microRNAs in cancers -- Chapter 6. microRNAs targeting tumor microenvironment and immune modulation -- Chapter 7. Circulating miRNA in prognosis, diagnosis and their role in controlling the fate of cancer stem cells -- Chapter 8. The role of miRNAs in the regulation of drug resistance among different cancers -- Chapter 9. The mechanisms of miRNA deregulation

	in cancer outbreak -- Chapter 10. Bioinformatic profiling of miRNAs in Cancers.
Sommario/riassunto	This book discusses the potential roles of miRNA as a crucial regulator in cancer biology. It examines the regulation of drug resistance by miRNAs in cancers and the mechanism of their deregulated expression. The book discusses the role and molecular mechanism of miRNA in regulating cellular proliferation and cell cycle. It analyses circulating miRNAs as biomarkers for cancer diagnosis and prognosis. It also analyzes the role of miRNA as a modulator of the development and function of tumor-associated immune cells. It explores the cross-talk between miRNA and reactive oxygen species (ROS) in pathogenesis, cancer therapeutic tolerance, and resistance. It provides insights into the role of miRNA in cancer angiogenesis, metastasis and describes strategies and associated challenges of miRNA-based therapies.