1. Record Nr. UNISA990000132040203316

Autore	CHANG, Shau-Jin
Titolo	Introduction to quantum field theory / S. J. Chang
Pubbl/distr/stampa	Singapore [etc.] : World Scientific, copyr. 1990
ISBN	9971-50-627-0
Descrizione fisica	XII, 382 p. : ill. ; 23 cm
Collana	World scientific lecture notes in physics ; 29
Disciplina	530.143
Soggetti	Teoria quantistica dei campi
Collocazione	530.143 CHA
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910634031603321

Autore	Zdravkovic Slobodan
Titolo	Nonlinear Dynamics of Nanobiophysics / / edited by Slobodan Zdravkovi, Dalibor Chevizovich
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2022
ISBN	981-19-5323-6
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (369 pages)
Collana	Physics and Astronomy Series
Disciplina	571.43
Soggetti	Biophysics Nanoscience Statistical mechanics Quantum theory Computer simulation System theory Nanoscale Biophysics Statistical Mechanics Quantum Simulations Complex Systems

Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction -- The insights into richness of nonlinear Schrodinger equation -- Nonlinear Dynamics of DNA Chain -- Nonlinear Dynamics of DNA Chain with Long-range Interactions -- Trajectories of DNA Kinks -- Conformational B-A-transition in the DNA Molecule Model.
Sommario/riassunto	This book highlights important aspects of nonlinear dynamics of biophysical nanosystems, such as DNA, alpha helix, and microtubules. It presents the differences between the linear and nonlinear models in these molecules and includes interesting chapters on Soliton dynamics of the DNA molecule. This book is meant not only for researchers but also for both graduate and undergraduate students. Chapters include derivations, detailed explanations, and exercises for students. Therefore, the book is convenient to be used as a textbook in suitable courses.