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Nota di contenuto	Fascinating field theory: Quantum field theory, renormalization group, and lattice regularization -- Lattice gauge theory and the structure of the vacuum and hadrons -- Topological effects on the physics of the standard model -- Semiclassical aspects of quantum field theories -- Anomalies in gauge theories -- QCD sum rules -- The skyrme model -- to supersymmetry and exact nonperturbative results in SUSY-QCD.
Sommario/riassunto	This is a collection of pedagogically written articles on quantum chromodynamics. Based on lectures given over the past years to graduate students, the articles are ideally suited as an introduction into modern research. The book contains concepts and applications of lattice gauge theories, finite temperature field theory, an article on the method of sum rules in QCD, and so on. Furthermore axial anomalies, the Skyrme model and recent developments of supersymmetric QCD are discussed in depth. A second volume on phenomenology is in preparation.

