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Nota di contenuto	Basic Physics and Chemistry of Ferrites -- Tuning of Structural, Electrical and Magnetic Properties of Ferrites -- Advances in the Processing of Ferrite Nanoparticles -- Ferrite Nanoparticles for Water Decontamination Applications -- Ferrite Nanoparticles for Hyperthermia Treatment Application -- Ferrite Nanoparticles for Telecommunication Application -- Role of Ferrite Materials in Renewable Energy Harvesting -- Ferrite Nano Composites for EMI Shielding Applications -- Ferrite Nanoparticles for Sensing Applications -- Ferrite Nanoparticles for Energy Storage Applications -- Ferrite Nanoparticles for Antimicrobial Applications -- Ferrite Nanoparticles for Corrosion Protection Applications -- Biomedical Applications of

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Sommario/riassunto	This book edited by leading experts focuses on the foundation of ferrite materials since inception to its contemporary scenario including their vast applications. The contents range from the basic physics and chemistry of ferrites to its applications in telecommunication, SAR reduction, EMI shielding, hyperthermia treatment, and water decontamination. It also focuses on ferrite nanoparticles for sensing application, energy-storage applications, antimicrobial applications, corrosion protection applications, among others. This book is a useful reference to those in academia and industry.