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Nota di contenuto	Introduction -- Historical Background and Basic Operation Principle of Electrochemical Supercapacitors -- Basic Ferrites Structures and Properties -- Experimental Techniques Used in Electrochemical Supercapacitor -- Bismuth-Ferrites-Based Electrochemical Supercapacitor -- Unitary Ferrites -- Binary Ferrites -- Ternary Ferrites -- Mixed Ferrites -- Limitation and Perspectives.
Sommario/riassunto	This book provides a much-needed, up-to-date overview of unary, binary and ternary bismuth-ferrite-based systems, with a focus on their properties, synthesis methods and applications as electrochemical supercapacitors. It introduces readers to the basic structure and properties of ferrites in general, focusing on the selection criteria for ferrite materials for electrochemical energy storage applications. Along with coverage of ferrite synthesis methods, it discusses bismuth-ferrite structures in unary, binary and mixed ferrite nanostructure systems, as

well as future perspectives and limitations for using ferrites as electrochemical supercapacitors. A valuable resource for beginners and advanced researchers working on similar topics, this book enables them to understand the core materials and electrochemical concepts behind bismuth-ferrite-based systems as energy storage materials.