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Disciplina	621.36
Soggetti	Condensed matter Composite materials Glass Optics Electronics - Materials Materials - Analysis Condensed Matter Physics Composites Optics and Photonics Electronic Materials Materials Characterization Technique
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Livello bibliografico	Monografia
Nota di contenuto	Fundamentals of Lithium ion containing glassy systems -- Lithium ion doped glassy system -- Methods of preparation of Lithium ion doped glassy systems -- Features of Lithium ion doped glassy systems -- Experimental tools for characterisations of Lithium ion glassy systems -- DC Electrical Conductivity as major electrical characterization tool -- Frequency dependent AC conductivity of some glassy systems -- Dielectric Properties and analysis of some Li doped glassy systems -- Optical Properties of some Li doped glassy systems -- Mechanical properties of some Li doped glassy systems -- Thermal properties of some Li doped glassy systems -- Comparison between some glassy systems and their heat-treated counterparts -- Electrodes -- Photonic glass-ceramics -- Battery applications -- Electrochemical applications

	-- Other applications.
Sommario/riassunto	This book presents recent developments and future scopes of glassy systems, such as their electrical and optical properties, use as electrodes, photonics devices, battery applications and others, which are of great interest for material scientists and professionals. Each chapter is designed to increase coherence, containing examples and question sets as exercises for in-depth understanding of the text. It provides a valuable resource for researchers, professionals and students in the area of material research especially on Li-doped glasses.