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Sommario/riassunto

This book, 'Aerogels for Energy Saving and Storage,' explores the advanced applications of aerogels in energy conservation and storage. Edited by Meldin Mathew, Hanna J. Maria, Ange Nzihou, and Sabu Thomas, it provides a comprehensive overview of the history, physical properties, and applications of aerogels. The book delves into various types of aerogels, including oxide-based, organic, and carbon-based, and discusses their synthesis, properties, and potential in energy-related applications such as batteries, fuel cells, and hydrogen storage. It aims to disseminate knowledge about the cutting-edge developments in aerogel technology and its role in sustainable energy solutions. The intended audience includes researchers, engineers, and professionals in the fields of materials science and energy technology.
