1. Record Nr. UNINA9911019883603321

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Titolo	Ferroic Materials-Based Technologies
Pubbl/distr/stampa	Newark : , : John Wiley & Sons, Incorporated, , 2024 ©2024
ISBN	9781394238194 1394238193 9781394238187 1394238185
Edizione	[1st ed.]
Descrizione fisica	1 online resource (350 pages)
Altri autori (Persone)	Jafar MazumderMohammad Abu
Disciplina	620.17
Soggetti	Ferromagnetic materials Ferroelectricity
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
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Sommario/riassunto

This book provides a comprehensive overview of ferroic materials, exploring their historical development, current applications, and future potential. It delves into various types of ferroic and multiferroic materials, including ferromagnetic, ferroelectric, and ferroelastic materials, and discusses the advances in synthesis and measurement techniques. The text also addresses the integration of these materials into modern technology and their applications in devices such as sensors, memory devices, and energy harvesting systems. The book is intended for researchers, scientists, and advanced students in materials science, physics, and engineering, aiming to offer insights into the properties and potential applications of ferroic materials.