

1. Record Nr.	UNINA9910896526303321
Titolo	200 Years of Thermoelectricity : An Historical Journey Through the Science and Technology of Thermoelectric Materials (1821-2021) // edited by Lukyan Anatychuk, Alexander Burkov, Julian Goldsmid, Yuri Grin, Kunihito Koumoto, Dario Narducci, George S. Nolas
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2024
ISBN	3-031-22108-7
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (335 pages)
Collana	Springer Series in Materials Science, , 2196-2812 ; ; 328
Disciplina	537.65
Soggetti	Thermoelectric materials Materials Catalysis Force and energy Condensed matter Nanotechnology Science - History Thermoelectrics Materials for Devices Materials for Energy and Catalysis Condensed Matter Physics History of Science
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Part 1 - Essays -- Part 2 - Reprints: Foundations -- Part 3 - Reprints: Materials -- Part 4 - Reprints: Conceptual Advances -- Part 5 - Reprints: Application.
Sommario/riassunto	This book is a comprehensive collection of the most influential papers on thermoelectricity published in the last two centuries. Starting with the pioneering work of Volta, Seebeck, and Peltier on thermoelectric phenomena, it takes the reader through a historical journey of articles and books that have shaped the field of thermoelectricity, covering

topics ranging from fundamental physics to novel materials. The book is annotated by a team of distinguished researchers from around the world and includes English translations of the earliest research reports on thermoelectricity, many of which have never been made available before. This provides a unique opportunity to explore the scientific evolution of this groundbreaking discipline. Whether you are a seasoned expert or a newcomer to the field, this book is an invaluable resource for understanding the rich history and current state of thermoelectricity research.
