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Titolo	High density data storage [[electronic resource]] : principle, technology, and materials / / edited by Yanlin Song, Daoben Zhu
Pubbl/distr/stampa	Singapore ; ; Hackensack, NJ, : World Scientific, c2009
ISBN	1-282-44160-4 9786612441608 1-61344-052-9 981-283-470-2
Descrizione fisica	1 online resource (272 p.)
Altri autori (Persone)	SongYanlin ZhuDaoben
Disciplina	004.5
Soggetti	Computer storage devices Optical storage devices Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Preface; CONTENTS; Chapter 1 High Density Magnetic Data Storage Huimeng Wu, Li Zhang and Yanlin Song; 1. Introduction; 2. Theory of Magnetic Recording; 3. Conventional Magnetic Storage Technology and Its Challenge; 4. High Density Magnetic Recording; 5. Summary; Acknowledgments; References; Chapter 2 Optical Data Storage for the Future Wenfang Yuan and Yanlin Song; 1. Introduction; 2. Materials for Optical Data Storage; 3. Progress in Materials for Future Optical Data Storage; 4. Technologies; 5. Summary; Acknowledgments; References Chapter 3 High Density Electrical Data Storage Guiyuan Jiang and Yanlin Song1. Introduction; 2. Electroactive Materials for Information Storage and Their Mechanisms; 3. High Density Electrical Recording Technologies and Their Recent Developments; 4. New Emerging Techniques/Technologies for High Density Electrical Data Recording; 5. Conclusion; Acknowledgments; References; Chapter 4 Nanoscale Data Storage Jianchang Li and Yanlin Song; 1. Introduction; 2. Molecular Electronics; 3. Bioelectronics; 4. Nanoelectronics; Acknowledgments; References; Index

Sommario/riassunto	The explosive increase in information and the miniaturization of electronic devices demand new recording technologies and materials that combine high density, fast response, long retention time and rewriting capability. As predicted, the current silicon-based computer circuits are reaching their physical limits. Further miniaturization of the electronic components and increase in data storage density are vital for the next generation of IT equipment such as ultra high-speed mobile computing, communication devices and sophisticated sensors. This original book presents a comprehensive introducti

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Autore	JIRKU, Anton
Titolo	Kanaanaische mythen und epen aus Ras Schamra-Ugarit / Anton Jirku
Pubbl/distr/stampa	Gutersloh, : Gutersloher Mohn, 1962
Descrizione fisica	141 p. ; 22 cm
Classificazione	SIPA VII
Soggetti	RELIGIONE CANANEA RELIGIONE - UGARIT
Lingua di pubblicazione	Tedesco
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Livello bibliografico	Monografia