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| Titolo | Bibliographie der deutschen Sprach-und Literaturwissenschaft |
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| Lingua di pubblicazione | Tedesco |
| Formato | Materiale a stampa |
| Livello bibliografico | Periodico |
| Note generali | Annuale. |
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| 2. Record Nr. | UNINA9910830904903321 |
| Titolo | Lithium ion rechargeable batteries // edited by Kazunori Ozawa |
| Pubbl/distr/stampa | Weinheim, Germany : , : Wiley-VCH, , 2009 |
| ISBN | 3-527-62903-3
3-527-62902-5 |
| Descrizione fisica | 1 online resource (634 p.) |
| Disciplina | 621.31242
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| Soggetti | Lithium cells
Storage batteries |
| 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 at the end of each chapters and index. |
| Nota di contenuto | Cover; Related title; Title; Copyright page; Preface; List of Contributors; |

1: General Concepts; 1.1 Brief Outline of Batteries; 1.2 Early Development of Lithium-Ion Batteries; 1.3 Toward a Realistic Goal; References; 2: Lithium Insertion Materials Having Spinel-Framework Structure for Advanced Batteries; 2.1 Introduction; 2.2 Structural Description of Spinel; 2.3 Derivatives of Spinel-Framework Structure; 2.4 Electrochemistry of Lithium Insertion Materials Having Spinel-Framework Structure
 4.4 3D Olivine-Type Phosphate Cathode 4.5 3D Calcite-Type Borate Cathode; 4.6 3D Perovskite-Type Fluoride Cathode; 4.7 Summary; References; 5: Thermodynamics of Electrode Materials for Lithium-Ion Batteries; 5.1 Introduction; 5.2 Experimental; 5.3 Results; 5.4 Conclusion; References; 6: Raman Investigation of Cathode Materials for Lithium Batteries; 6.1 Introduction; 6.2 Raman Microspectrometry: Principle and Instrumentation; 6.3 Transition Metal-Oxide-Based Compounds; 6.4 Phospho-Olivine LiMPO_4 Compounds; 6.5 General Conclusion; References
 7: Development of Lithium-Ion Batteries: From the Viewpoint of Importance of the Electrolytes 7.1 Introduction; 7.2 General Design to Find Additives for Improving the Performance of LIB; 7.3 A Series of Developing Processes to Find Novel Additives; 7.4 Cathodic and the Other Additives for LIBs; 7.5 Conditioning; References; 8: Inorganic Additives and Electrode Interface; 8.1 Introduction; 8.2 Transition Metal Ions and Cathode Dissolution; 8.3 How to Suppress the Mn(II) Degradation; 8.4 Alkali Metal Ions; 8.5 Alkali Salt Coating; 8.6 Summary; References
 11: Research and Development Work on Advanced Lithium-Ion Batteries for High-Performance Environmental Vehicles

Sommario/riassunto

Starting out with an introduction to the fundamentals of lithium ion batteries, this book begins by describing in detail the new materials for all four major uses as cathodes, anodes, separators, and electrolytes. It then goes on to address such critical issues as self-discharge and passivation effects, highlighting lithium ion diffusion and its profound effect on a battery's power density, life cycle and safety issues. The monograph concludes with a detailed chapter on lithium ion battery use in hybrid electric vehicles. Invaluable reading for materials scientists, electrochemists, physici

3. Record Nr.	UNINA9910696490903321
Titolo	Shear wave structure of Umbria and Marche, Italy, strong motion seismometer sites affected by the 1997 Umbria-Marche, Italy, earthquake sequence // Robert Kayen ... [and others]
Pubbl/distr/stampa	Reston, Va. : , : U.S. Geological Survey, , 2008
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Descrizione fisica	46 pages : digital, PDF file
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Altri autori (Persone)	KayenRobert E
Soggetti	Shear waves Seismic waves - Speed - Measurement Shear zones (Geology) - Italy - Umbria Shear zones (Geology) - Italy - Marche
Lingua di pubblicazione	Inglese
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