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Titolo	Law and Trade in Ancient Mesopotamia and Anatolia : Selected Papers by K. R. Veenhof
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ISBN	90-8890-917-2
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Disciplina	935.02
Soggetti	Civilization, Assyro-Babylonian Commerce Law
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Intro -- Foreword -- Abbreviations -- Justice and Equity in Babylonia* -- Old Assyrian And Old Babylonian Law: Some Comparative Observations* -- Ancient Assur: The City, its Traders and its Commercial Network* -- The Archives of Old Assyrian Traders: Their Nature, Functions and Use* -- "In Accordance with the Words of the Stele" Evidence for Old Assyrian Legislation* -- Trade and Politics in Ancient Assur Balancing of Public, Colonial and Entrepreneurial Interests* -- Silver and Credit in Old Assyrian Trade -- Old Assyrian and Ancient Anatolian Evidence for the Care of the Elderly* -- Redemption of Houses in Assur and Sippar* -- Old Assyrian Isurtum, Akkadian Eserum and Hittite GIS.HUR* -- A Deed of Manumission and Adoption from the Later Old Assyrian Period* -- Before Hammurabi of Babylon Law and the Laws in Early Mesopotamia* -- The Interpretation of Paragraphs t and u of the Code of Hammurabi* -- The Relation between Royal Decrees and 'Law Codes' of the Old Babylonian Period* -- Fatherhood is a Matter of Opinion. An Old Babylonian Trial on Filiation and Service Duties* -- The Dissolution of an Old Babylonian Marriage According to CT 45, 86* -- Three Old Babylonian Marriage Contracts Involving Naditum and Sugitum* -- Trade with the Blessing of Shamash in Old Babylonian Sippar* -- Assyrian Commercial Activities in Old Babylo-nian Sippar Some New Evidence* --

Bibliography of Publications by Klaas. R. Veenhof -- Blank Page -- Blank Page.

Sommario/riassunto

This book contains a selection of nineteen articles published by K.R. Veenhof, focusing on his main field of study: law and trade in the Old Babylonian and Old Assyrian society of the early second millennium B. C. They were originally published in journals, conference proceedings and collective volumes over the past fifty years. Their reissue here is motivated by their lasting value and their fundamental importance to the study of these subjects. It includes both "broad" articles, which give an introduction to or an overview of a specific subject, e.g. Old Assyrian trade and the practice of justice in Babylonia in the early second millennium B.C., and "narrow" ones that give an in-depth study of a single issue or a single text, such as a problematic paragraph of Hammurabi's law code or the meaning of the noun isurtum. The first two articles provide a general introduction to the subject; the next nine focus on Old Assyrian society, and the final eight concern Old Babylonian.The inclusion of "broad" and "narrow" articles makes this publication of interest both to the well-informed general reader interested in the Ancient Near East and to the specialist working on Old Babylonian and Old Assyrian society.

2. Record Nr. UNINA9911019969603321

Titolo	Handbook of battery materials / / edited by Claus Daniel and Jurgen O. Besenhard
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ISBN	9783527637201 3527637206 9783527637195 3527637192 9783527637188 3527637184
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Descrizione fisica	1 online resource (1025 p.)
Altri autori (Persone)	BesenhardJurgen O DanielClaus
Disciplina	621.31242
Soggetti	Electric batteries - Materials Electric batteries Storage batteries - Materials Storage batteries
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Handbook of Battery Materials; Contents; Preface; List of Contributors; Part I Fundamentals and General Aspects of Electrochemical Energy Storage; 1 Thermodynamics and Mechanistics; 1.1 Electrochemical Power Sources; 1.2 Electrochemical Fundamentals; 1.2.1 Electrochemical Cell; 1.2.2 Electrochemical Series of Metals; 1.2.3 Discharging; 1.2.4 Charging; 1.3 Thermodynamics; 1.3.1 Electrode Processes at Equilibrium; 1.3.2 Reaction Free Energy G and Equilibrium Cell Voltage 00; 1.3.3 Concentration Dependence of the Equilibrium Cell Voltage 1.3.4 Temperature Dependence of the Equilibrium Cell Voltage1.3.5 Pressure Dependence of the Equilibrium Cell Voltage; 1.3.6 Overpotential of Half Cells and Internal Resistance; 1.4 Criteria for the Judgment of Batteries; 1.4.1 Terminal Voltage; 1.4.2 Current-Voltage Diagram; 1.4.3 Discharge Characteristic; 1.4.4 Characteristic Line of

Charge; 1.4.5 Overcharge Reactions; 1.4.6 Coulometric Efficiency and Energy Efficiency; 1.4.7 Cycle Life and Shelf Life; 1.4.8 Specific Energy and Energy Density; 1.4.9 Safety; 1.4.10 Costs per Stored Watt Hour; References; 2 Practical Batteries
2.1 Introduction2.2 Alkaline-Manganese Batteries; 2.3 Nickel-Cadmium Batteries; 2.4 Nickel-MH Batteries; 2.5 Lithium Primary Batteries; 2.5.1 Lithium-Manganese Dioxide Batteries; 2.5.2 Lithium-Carbon Monofluoride Batteries; 2.5.3 Lithium-Thionyl Chloride Batteries; 2.6 Coin-Type Lithium Secondary Batteries; 2.6.1 Secondary Lithium-Manganese Dioxide Batteries; 2.6.2 Lithium-Vanadium Oxide Secondary Batteries; 2.6.3 Lithium-Polyaniline Batteries; 2.6.4 Secondary Lithium-Carbon Batteries; 2.6.5 Secondary Li-LGH-Vanadium Oxide Batteries; 2.6.6 Secondary Lithium-Polyacene Batteries
2.6.7 Secondary Niobium Oxide-Vanadium Oxide Batteries2.6.8 Secondary Titanium Oxide-Manganese Oxide Batteries; 2.7 Lithium-Ion Batteries; 2.7.1 Positive Electrode Materials; 2.7.2 Negative Electrode Materials; 2.7.3 Battery Performances; 2.8 Secondary Lithium Batteries with Metal Anodes; References; Further Reading; Part II Materials for Aqueous Electrolyte Batteries; 3 Structural Chemistry of Manganese Dioxide and Related Compounds; 3.1 Introduction; 3.2 Tunnel Structures; 3.2.1 -MnO2; 3.2.2 Ramsdellite; 3.2.3 -MnO2 and -MnO2; 3.2.4 -MnO2
3.2.5 Romanechite, Todorokite, and Related Compounds3.3 Layer Structures; 3.3.1 Mn5O8 and Similar Compounds; 3.3.2 Lithiophorite; 3.3.3 Chalcophanite; 3.3.4 -MnO2 Materials; 3.3.5 10 A Phyllomanganates of the Buserite Type; 3.4 Reduced Manganese Oxides; 3.4.1 Compounds of Composition MnOOH; 3.4.1.1 Manganite (-MnOOH); 3.4.1.2 Groutite (-MnOOH); 3.4.1.3 -MnOOH; 3.4.1.4 Feitknechtite *-MnOOH; 3.4.2 Spinel-Type Compounds Mn3O4 and -Mn2O3; 3.4.3 Pyrochroite, Mn(OH)2; 3.5 Conclusion; References; Further Reading; 4 Electrochemistry of Manganese Oxides; 4.1 Introduction
4.2 Electrochemical Properties of EMD

Sommario/riassunto

A one-stop resource for both researchers and development engineers, this comprehensive handbook serves as a daily reference, replacing heaps of individual papers.This second edition features twenty percent more content with new chapters on battery characterization, process technology, failure mechanisms and method development, plus updated information on classic batteries as well as entirely new results on advanced approaches.The authors, from such leading institutions as the US National Labs and from companies such as Panasonic and Sanyo, present a balanced view on battery research an