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Nota di contenuto	Encyclopedia of the Elements; Foreword; Table of Contents; Preface; Color Plates; 1 Introduction; 1.1 What is an Element?; 1.2 Elements known from Time Immemorial; 1.3 Searching, Finding and Using; 1.4 Systematic Searches; 1.5 About this Book; 1.5.1 A Bridge between Science/Technology and Culture/History; 1.5.2 The Motive for a new Book; 1.5.3 The Book's Layout; 1.6 Useful Definitions and Facts; 1.6.1 Some Geological Terms; 1.6.2 Resources and Reserves; 1.7 General Literature Sources; 1.7.1 The History behind the Discoveries of Elements; 1.7.2 Raw Materials and Production 1.8 Quantitative Element Descriptions1.8.1 Units, Conversion Factors and Fundamental Constants in the SI System; 1.8.2 Fact Tables; 2 About Matter; 2.1 Knowledge started in Handicraft; 2.2 Early thinking about Materials; 2.2.1 Four basic Stuffs; 2.2.2 The Atomism or corpuscular Philosophy; 2.2.3 An early Choice; 2.3 Alchemy - Good and Bad; 2.3.1 Not only Gold-making; 2.3.2 Two Papyri - One Message from Ancient Alchemy; 2.3.3 Alchemy comes to Europe; 2.3.4 The bad and good Reputation of Alchemy; 2.4 Paracelsus - A Phenomenon in Alchemy and Medical Chemistry 2.5 Two pragmatic Pioneers in the 16(th) Century2.5.1 Vannoccio

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3.5.4 Element Names from Mythology

Sommario/riassunto

Famous for its history of numerous element discoverers, Sweden is the origin of this comprehensive encyclopedia of the elements. It provides both an important database for professionals as well as detailed reading ranging from historical facts, discoverers' portraits, colour plates of mineral types, natural occurrences, and industrial figures to winning and refining processes, biological roles and applications in modern chemistry, engineering and industry. Elemental data is presented in fact tables which include numerous physical and thermodynamic properties, isotope lists, radiation abso
