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Titolo	The periodic table [[electronic resource]] : its story and its significance // Eric R. Scerri
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Nota di bibliografia	Includes bibliographical references (p. 387-328) and index.
Nota di contenuto	The periodic system : an overview -- Quantitative relationships among the elements -- Discoverers of the system -- Mendeleev -- Prediction and accommodation : the acceptance of Mendeleev's periodic system -- The nucleus and the periodic table : radioactivity, atomic number, and isotopy -- The electron and the chemical periodicity -- Electronic explanations of the periodic system developed by chemists -- Quantum mechanics and the periodic table -- Astrophysics, nucleosynthesis, and more chemistry.
Sommario/riassunto	The periodic table is one of the most potent icons in science. It lies at the core of chemistry and embodies the most fundamental principles of the field. The one definitive text on the development of the periodic table by van Spronsen (1969), has been out of print for a considerable time. The present book provides a successor to van Spronsen, but goes further in giving an evaluation of the extent to which modern physics has, or has not, explained the periodic system. The book is written in a lively style to appeal to experts and interested lay-persons alike.