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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Frontmatter -- Preface to this 2nd English edition -- Preface to the first English edition -- Preface to the first German edition -- Contents -- 1 Introduction -- 2 Classification of Energetic Materials -- 3 Detonation, Detonation Velocity and Detonation Pressure -- 4 Thermodynamics -- 5 Initiation -- 6 Experimental Characterization of Explosives -- 7 Special Aspects of Explosives -- 8 Correlation between the Electrostatic Potential and the Impact Sensitivity -- 9 Design of Novel Energetic Materials -- 10 Synthesis of Energetic Materials -- 11 Safe Handling of Energetic Materials in the Laboratory -- 12 Energetic Materials of the Future -- 13 Related Topics -- 14 Study Questions -- 15 Literature -- 16 Appendix -- Index
Sommario/riassunto	This graduate-level textbook in a new revised edition treats the basic chemistry of high energy materials - primary and secondary explosives, propellants, rocket fuel and pyrotechnics - and provides a review of new research developments. Applications in both military and civil fields are discussed. The book also offers new insights into ""green"" chemistry

requirements and strategies for military applications. This work should be of interest to advanced students in chemistry, materials science and engineering, as well as all those working in defense technology.
