1. Record Nr. UNINA9910812432203321

Autore	Klapotke Thomas M.
Titolo	Chemistry of high-energy materials / / Thomas M. Klapotke
Pubbl/distr/stampa	Berlin, [Germany] ; ; Boston, [Massachusetts] : , : De Gruyter, , 2015 ©2015
ISBN	3-11-043047-9 3-11-043933-6
Edizione	[Third edition.]
Descrizione fisica	1 online resource (336 p.)
Collana	De Gruyter Textbook
Disciplina	662/.2
Soggetti	Explosives Explosives, Military Green technology
Lingua di pubblicazione	Tedesco
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Frontmatter -- Preface to this 3rd English edition -- 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 -- Author -- Index
Sommario/riassunto	Chemistry of High-Energy Materials continues in this new and revised 3rd edition to provide fundamental scientific insights into primary and secondary explosives, propellants, rocket fuel and pyrotechnics. The contents of the previous edition were meticulously updated and recent research developments added to this graduate-level textbook. Applications in military and civil fields are discussed. Especially environmental issues caused by lead-based primary explosives, perchlorates in pyrotechnic formulations and modern signal flare

	compositions are discussed and current research presented. Further additions include the understanding of the mechanism and continuing development of laser ignition methods, techniques for the characterization of detonators and their output as well as principles and effects of underwater explosions. New in the 3rd Edition: • Revised and updated content, new study problems and questions. • Extended examination of the application of ionic liquids in the field and hydrodynamics. • Intended for advanced students in chemistry, materials science and engineering, as well as to all those working in defense technology. "This book makes a nice addition to the shelf of everyone involved with energetic materials. As such it is recommended as a very useful reference for both students and experienced readers." Ernst-Christian Koch on the 2nd Edition in: Propellants Explosive Pyrotechnics 16/2011 Upcoming titles by Thomas M. Klapötke: Energetic Materials Encyclopedia (January 2018) Thomas M. Klapötke CSci CChem FRSC was from 1995 until 1997 Ramsay Professor of Chemistry at the University of Glasgow in Scotland. Since 1997 he has held the Chair of Inorganic Chemistry at LMU Munich.

2. Record Nr. UNINA9910144172103321

Titolo	Web Engineering : 4th International Conference, ICWE 2004, Munich, Germany, July 26-30, 2004, Proceedings / / edited by Nora Koch, Piero Fraternali, Martin Wirsing
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2004
ISBN	3-540-27834-6
Edizione	[1st ed. 2004.]
Descrizione fisica	1 online resource (XXI, 626 p.)
Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 3140
Disciplina	005.1
Soggetti	Computer science Software engineering Computer communication systems Information storage and retrieval Application software Database management Popular Computer Science Software Engineering Computer Communication Networks Information Storage and Retrieval Information Systems Applications (incl. Internet) Database Management

Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Invited Papers -- Web Quality and Usability -- Conceptual Modeling -- Web Services and Distributed Processes and Systems -- Web Metrics, Cost Estimation, and Measurement -- Personalization and Adaptation of Web Applications -- Code Generation and Tools -- Development Process and Process Improvement of Web Applications -- Semantic Web and Applications -- Performance -- Web Data Models, Query and Representation Languages -- Web Interface Engineering -- Security, Safety, and Reliability -- Web Mining, User Models, and Data Analysis -- Posters -- Tool Demonstrations.
Sommario/riassunto	Web engineering is a new discipline that addresses the pressing need for syst- atic and tool-supported approaches for the development, maintenance and te- ing of Web applications. Web engineering builds upon well-known and succe- ful software engineering principles and practices, adapting them to the special characteristics of Web applications. Even more relevant is the enrichment with methods and techniques stemming from related areas like hypertext authoring, human-computer interaction, content management, and usability engineering. The goal of the 4th International Conference on Web Engineering (ICWE 2004), inlinewiththepreviousICWEconferences, wastoworktowardsabetterund- standing of the issues related to Web application development. Special attention was paid to emerging trends, technologies and future visions, to help the a- demic and industrial communities identify the most challenging tasks for their research and projects. Following a number of successful workshops on Web engineering since 1997 at well-known conferences, such as ICSE and WWW, the ?rst conference on Web engineering was held in C´ aceres, Spain in 2001. It was followed by ICWE 2002 in Santa Fe, Argentina and ICWE 2003 in Oviedo, Spain. In 2004 ICWE moved to the center of Europe and was held in Munich, Germany from July 26 to 30. ICWE 2004 was organized by the Institute for Informatics of the Ludwig- Maximilians-Universit¨ at (LMU) Munich. The ICWE 2004 edition received a total of 204 submissions, out of which 25 paperswereselectedbytheProgramCommitteeasfullpapers(12% acceptance).