

1. Record Nr.	UNINA9910716236403321
Titolo	Increase the efficiency of the Army Air Service. May 10 (calendar day, May 14), 1926. -- Ordered to be printed
Pubbl/distr/stampa	[Washington, D.C.] : , : [U.S. Government Printing Office], , 1926
Descrizione fisica	1 online resource (3 pages)
Collana	Senate report / 69th Congress, 1st session. Senate ; ; no. 830 [United States congressional serial set] ; ; [serial no. 8526]
Altri autori (Persone)	WarrenFrancis E <1844-1929> (Francis Emroy), (Republican (WY))
Soggetti	Legislative amendments Aeronautics, Military Armed Forces - Officers Legislative materials.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Batch processed record: Metadata reviewed, not verified. Some fields updated by batch processes. FDLP item number not assigned.

2. Record Nr.	UNINA9910222257103321
Titolo	Correctional law reporter
Pubbl/distr/stampa	[Olympia, WA, : Correctional Law Reporter, Inc., c1989-]
Descrizione fisica	1 online resource
Disciplina	344.73/035/05 347.3043505
Soggetti	Correctional law - United States Correctional law Digests. Periodicals. United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	Title from caption. Imprint varies: Olympia, WA : Correctional Law Reporter, Inc., 1989- ; Kingston, NJ : Civic Research Institute, <June 1993->

3. Record Nr.	UNINA9910734884503321
Autore	Zhang Chaoyang
Titolo	Intrinsic Structures and Properties of Energetic Materials / / by Chaoyang Zhang, Jing Huang, Rupeng Bu
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2023
ISBN	981-9926-99-8
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (469 pages)
Altri autori (Persone)	HuangJing BuRupeng
Disciplina	530.411
Soggetti	Condensed matter Atomic structure Molecular structure Materials science - Data processing Surfaces (Physics) Structure of Condensed Matter Atomic and Molecular Structure and Properties Computational Materials Science Surface and Interface and Thin Film
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction -- Classification of Energetic Crystals -- Application of molecular simulation methods in treating intrinsic structures of energetic materials -- Energetic molecules & single-component energetic molecular crystals -- Polymorphism and polymorphic transition in energetic molecular crystals -- Energetic ionic crystals -- Energetic cocrystals -- Energetic atomic crystals, energetic metallic crystals & energetic mixed-type crystals -- Hydrogen bonding, hydrogen transfer and halogen bonding -- -stacking in energetic crystals -- Crystal engineering for creating low sensitive and highly energetic materials. .
Sommario/riassunto	This book highlights the intrinsic structures of all kinds of energetic compounds and some structure–property relationships therein. Energetic materials are a class of energy materials that can transiently

release a large amount of gases and heat by self-redox after stimulated and usually refer to explosives, propellants and pyrotechnics.

Nowadays, in combination with various theories and simulation-aided material design technologies, many new kinds of energetic materials like energetic extended solids, energetic ionic salts, energetic metal organic frames, energetic co-crystals and energetic perovskites have been created, in addition to traditional energetic molecular crystals. It is somewhat dazzling, and an issue of how we can understand these new types of energetic materials is raised. In the past about 20 years, we were immersed in the computational energetic materials. By means of defining a concept of intrinsic structures of energetic materials, which refers to the crystal packing structure of energetic materials, as well as molecule for molecular solid specially, the microscopic structures have been mostly clarified, and related with many macroscopic properties and performances, with molecular simulations. This book presents our understanding about it. Thereby, a simply and new way to readily understand energetic materials is expected to be paved, based on this book. It contains energetic molecular crystals, energetic ionic crystals, energetic atomic crystals, energetic metallic crystals and energetic mixed-type crystals and the substructures closest to crystal packing. Meanwhile, the common intermolecular interactions in energetic crystals will be introduced. In addition, theoretical and simulation methods for treating the intrinsic structures will be briefed, as they are the main tools to reveal the molecules and crystals. Besides, the polymorphism as a level of intrinsic structures will be briefly discussed. In the final of this book, we introduce the crystal engineering of energetic materials. This book features the first proposal of intrinsic structure and crystal engineering of energetic materials and the understanding of the properties and performances of energetic materials by maintaining a concept that structure determines property. It helps to promote the rationality in creating new energetic materials, rather than increase experience.
