

1. Record Nr.	UNINA9910708264003321
Titolo	Assessing the effectiveness of U.S. chemical safety laws : hearing before the Subcommittee on Superfund, Toxics and Environmental Health, of the Committee on Environment and Public Works, United States Senate, One Hundred Twelfth Congress, first session, February 3, 2011
Pubbl/distr/stampa	Washington : , : U.S. Government Printing Office, , 2014
Descrizione fisica	1 online resource (iii, 138 pages)
Collana	S. hrg. ; ; 112-819
Soggetti	Chemicals - Law and legislation - United States Chemical industry - Law and legislation - United States Poisons - Law and legislation - United States Chemicals - Health aspects - United States Pollution - United States Legislative hearings.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from title screen (viewed on Jan. 27, 2014). Paper version available for sale by the Superintendent of Documents, United States Government Printing Office.
Nota di bibliografia	Includes bibliographical references.

2. Record Nr.	UNINA9910298591703321
Autore	Diudea Mircea Vasile
Titolo	Multi-shell Polyhedral Clusters // by Mircea Vasile Diudea
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	3-319-64123-9
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (XV, 442 p. 351 illus., 305 illus. in color.)
Collana	Carbon Materials: Chemistry and Physics, , 1875-0745 ; ; 10
Disciplina	541.2
Soggetti	Chemistry, Physical and theoretical Nanotechnology Mathematical physics Theoretical and Computational Chemistry Mathematical Applications in the Physical Sciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Introduction -- Map operations: definitions and examples -- Multi-tori: Structures -- Dodecahedral motif -- Icosahedral motif -- Octahedron and truncated octahedron coverings -- Tetrahedron and truncated tetrahedron coverings -- Rhomb decorated clusters -- 4-D structures modification -- C60 aggregation -- Hypergraphenes.
Sommario/riassunto	This volume presents new methodologies and rationalizes existing methods that are used in the design of multi-shell polyhedral clusters. The author describes how the methods used are extended from 2D-operations on maps to 3D (and higher dimensional) Euclidean space. A variety of structures is designed and described in detail and classified giving rise to an atlas of multi-shell nanostructures. The book therefore sheds a new light on the field of crystal and quasicrystal structures, an important part of nanoscience and nanotechnology. The author goes on to show how the recently established methods are used for building complex multi-shell nanostructures and how this completes the existing information in the field. The atlas of such structures is completed with atomic coordinates (included as supplementary material). The content of this book gives a useful

insight into structure elucidation and suggests new material synthesis.

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