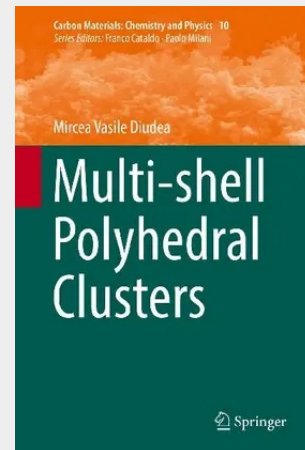


Multi-shell Polyhedral Clusters

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.

Focuses on theoretical methodologies for the design of multi-shell nanostructures
Includes a recent literature study
Heavily annotated with structures to facilitate learning and innovation



106,99 €
99,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783319641218
Medium: Buch
ISBN: 978-3-319-64121-8
Verlag: Springer
Erscheinungstermin: 30.10.2017
Sprache(n): Englisch
Auflage: 1. Auflage 2018
Serie: Carbon Materials: Chemistry and Physics
Produktform: Gebunden
Gewicht: 1053 g
Seiten: 442
Format (B x H): 160 x 241 mm

