1. Record Nr. UNINA9910337468003321

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Titolo	Anisotropic Metal Chalcogenide Nanomaterials : Synthesis, Assembly, and Applications / / by Geon Dae Moon
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-03943-9
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (xiii, 89 pages)
Collana	SpringerBriefs in Materials, , 2192-1091
Disciplina	620.115 621.3124
Soggetti	Nanotechnology Nanochemistry Energy storage Engineering—Materials Optical materials Electronic materials Nanotechnology and Microengineering Energy Storage Materials Engineering Optical and Electronic Materials
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction and Backgrounds -- Synthesis and Assembly of Anisotropic Metal Chalcogenides -- Applications.
Sommario/riassunto	This book explores the recent advances in designing and synthesizing one- and two-dimensional metal chalcogenide nanostructures, along with their practical applications, helping readers understand what has happened, and what is currently happening in the field of nanotechnology. It also includes a comprehensive table showing 1D and 2D nanostructured metal chalcogenides, which presents the recent developments from a synthetic point of view. Further, it describes the wide applicability of anisotropic metal chalcogenides, such as in electronics, energy storage and conversion, and sensors. Lastly it

discusses the current understanding of the thermodynamic and kinetic aspects associated with the forming mechanisms of anisotropic metal chalcogenide nanostructures. This book is a valuable reference resource for practitioners and researchers, enabling them to obtain a quick overview of anisotropic metal chalcogenide nanomaterials through synthetic approaches and related applications. Presenting representative applications of anisotropic metal chalcogenide nanomaterials that are important in the industrial sector, it is also of interest to academics and industry specialists.