1. Record Nr. UNIORUON00091266

Autore	DULAR, Janez
Titolo	Halstatska keramika v Sloveniji = Die Grabkeramik der alteren eisenzeit in Slowenien / Janez Dular
Pubbl/distr/stampa	Ljubljana, : Slovenska Akademije Znanosti in Umetnosti, 1982
Descrizione fisica	254 p., c. di tav. ; 24 cm
Disciplina	487
Soggetti	FILOLOGIA MICENEA LINGUA GRECO-MICENEA - Studi miscellanei
Lingua di pubblicazione	Sloveno
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910734845603321

Autore	Sankapal Babasaheb R
Titolo	Simple Chemical Methods for Thin Film Deposition : Synthesis and Applications / / edited by Babasaheb R. Sankapal, Ahmed Ennaoui, Ram B. Gupta, Chandrakant D. Lokhande
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2023
ISBN	981-9909-61-9
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Descrizione fisica	1 online resource (590 pages)
Altri autori (Persone)	EnnaouiAhmed GuptaRam B LokhandeChandrakant D
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Livello bibliografico	Monografia
Nota di contenuto	Chapter 1: Chemical Bath Deposition: Thin Films with Assorted Morphologies -- Chapter 2: Well-Controlled Nanostructured Growth: Successive Ionic Layer Adsorption and Reaction -- Chapter 3: Ion-Exchange Method: Nanostructured Thin Films -- Chapter 4: Electroless Assisted Nanostructured Morphologies -- Chapter 5: Electrochemical Deposition Towards Thin Films -- Chapter 6: Nanostructured Thin Films by Hydrothermal Method -- Chapter 7: Spray Pyrolysis: Thin Film Coating -- Chapter 8: Spin Coating: Easy Technique for Thin Films -- Chapter 9: Dip Coating: Simple Way of Coating Thin Films -- Chapter 10: Screen Printing: An Ease Thin Film Technique -- Chapter 11: Doctor Blade: A Promising Technique for Thin Film Coating -- Chapter 12: Sol-Gel Derived Thin Films.
Sommario/riassunto	This book explores simple chemical methods for thin film deposition with diverse nanostructured morphology and their applications. Unlike top-down techniques, chemical methods offer low cost, simplicity, and growth of nanostructured surface architecture with ease of small to large-scale area deposition. The book primarily focuses on innovative twelve chemical methods for thin-film deposition on one platform. Since each method has its own advantages and disadvantages, it is crucial to select the specific method for specific material to be deposited depending upon what type of application is targeted. Due to inclusive of diverse chemical deposition methods, researcher will have knowledge about best choice of the deposition method to be adopted. Inclusive methods discussed in the book are chemical bath deposition, successive ionic layer adsorption and reaction, ion exchange, electroless deposition, electrodeposition, hydrothermal, spray pyrolysis, spin coating, dip coating, doctor blade, screen printing, and sol-gel.The selection of the correct procedure for material to be deposited in thin film form depends on its unique process parameters based on the kind of application and its requirement. The role of preparative factors necessary for thin film alters properties related to structure and surface morphology, electrical conductivity and optical band gap which have been extensively discussed along with the underlying science of film synthesis. The book provides a comprehensive overview of the field of chemical methods for thin film synthesis to applications. In addition to synthesis, the book covers characterization, instrumentation, and industrial application of thin films. As a result, targeted methods will be of great interest to university/college professors, students and new engineers as well as postdocs and scientists.