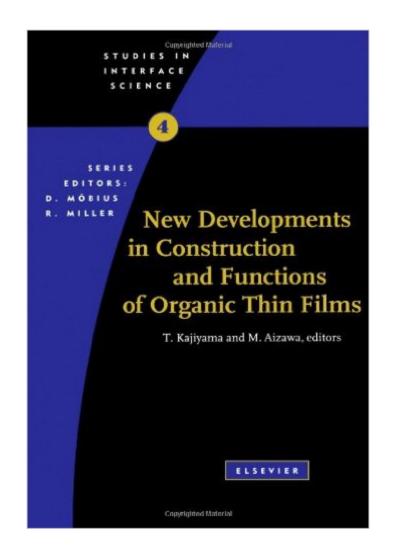
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New Developments In Construction And Functions Of Organic Thin Films (Studies In Interface Science)





Synopsis

This book is a timely review of recent advances on the construction and functions of organic thin films by a variety of techniques. The component molecules are relatively simple ones with self-organizing properties, i.e., ordered molecular assembly characteristics. The contents are arranged from the fundamental concepts of molecular assembly of self-organizing molecules to the potential biological applications of protein assemblies, supramolecular species. Recently, many promising applications for new electric, magnetic or optical devices, biomimetic membranes etc. have been the subject of investigation. However, fundamental studies on molecular assembly characteristics and functions for mono-, bi- and multi-layers, Langmuir-Blodgett films are indispensable to future technological innovations for molecular electronic devices and biological sensors.

Book Information

Series: Studies in Interface Science (Book 4) Hardcover: 370 pages Publisher: Elsevier Science (October 11, 1996) Language: English ISBN-10: 0444819568 ISBN-13: 978-0444819567 Product Dimensions: 0.8 x 6.8 x 9.5 inches Shipping Weight: 1.9 pounds Average Customer Review: Be the first to review this item Best Sellers Rank: #4,664,487 in Books (See Top 100 in Books) #102 in Books > Science & Math > Chemistry > Organic > Organometallic Compounds #2341 in Books > Science & Math > Physics > Solid-State Physics #3584 in Books > Textbooks > Engineering > Chemical Engineering

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