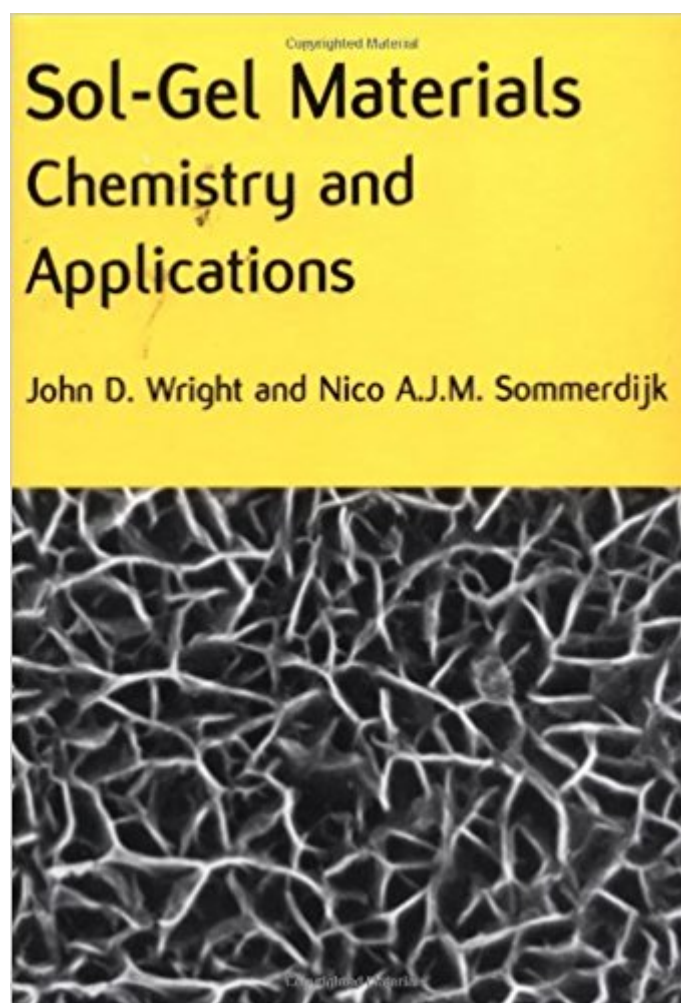


The book was found

Sol-Gel Materials: Chemistry And Applications (Advanced Chemistry Texts)



Synopsis

Sol-Gel processing methods, first used historically for decorative and constructional materials, were extensively developed in the last century for applications such as glasses, ceramics, catalysts, coatings, composites and fibres. Today they are reaching their full potential, enabling the preparation of new generations of advanced materials not easily accessible by other methods yet using mild, low-energy conditions. The topic is therefore increasingly included in advanced undergraduate, MSc and PhD programmes in the areas of chemistry, physics and materials science. This concise introductory text, written at the advanced undergraduate/first-year postgraduate level, is also suitable as an introduction to the development, mechanisms, chemistry, characterisation methods and applications of the technique. It provides readers with an extensive yet concise grounding in the theory of each area of the subject and details the real and potential applications and the future prospects of sol-gel chemistry.

Book Information

Series: Advanced Chemistry Texts (Book 4)

Hardcover: 136 pages

Publisher: CRC Press; 1 edition (December 21, 2000)

Language: English

ISBN-10: 9056993267

ISBN-13: 978-9056993269

Product Dimensions: 7 x 0.4 x 10 inches

Shipping Weight: 14.1 ounces (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #3,103,270 in Books (See Top 100 in Books) #46 in [Books > Science & Math > Chemistry > Organic > Organometallic Compounds](#) #147 in [Books > Engineering & Transportation > Engineering > Chemical > Coatings, Ceramics & Glass](#) #1349 in [Books > Science & Math > Chemistry > Industrial & Technical](#)

Customer Reviews

'This is an excellent book, not only because it is well-structured and written in a sharp and clear style, but also because it successfully summarises a vast and growing multi-disciplinary field.' - Chemistry & Industry

[Download to continue reading...](#)

Sol-Gel Science: The Physics and Chemistry of Sol-Gel Processing Sol-Gel Materials: Chemistry and Applications (Advanced Chemistry Texts) Aerogels Handbook (Advances in Sol-Gel Derived Materials and Technologies) Sol-Gel Technologies for Glass Producers and Users Books of Breathing and Related Texts -Late Egyptian Religious Texts in the British Museum Vol.1 (Catalogue of the Books of the Dead and Other Religious Texts in the British Museum) Chalk-Style Holiday Coloring Book: Color with All Types of Markers, Gel Pens & Colored Pencils THE RUBBER STAMPER magazine January/February 2000 (For Rubber Stamp Enthusiasts - Projects, Techniques, Coloring with Chalk, Stamping on Wood, Gel Pen Resist, Fold Up Cards, Brayer Backgrounds, Cardmaking, From Victorian to Modern Valentine Cards, Volume 4, No. 1) Chemistry of Hazardous Materials (6th Edition) (Hazardous Materials Chemistry) Solid-State Physics: An Introduction to Principles of Materials Science (Advanced Texts in Physics (Paperback)) Essentials of Advanced Macroeconomic Theory (Routledge Advanced Texts in Economics and Finance) Engineering Materials 3: Materials Failure Analysis: Case Studies and Design Implications (International Series on Materials Science and Technology) (v. 3) Electronic, Magnetic, and Optical Materials, Second Edition (Advanced Materials and Technologies) Handbook of Organic Materials for Optical and (Opto)Electronic Devices: Properties and Applications (Woodhead Publishing Series in Electronic and Optical Materials) Freezing Colloids: Observations, Principles, Control, and Use: Applications in Materials Science, Life Science, Earth Science, Food Science, and Engineering (Engineering Materials and Processes) Energetic Materials: Advanced Processing Technologies for Next-Generation Materials Principles of Protein X-ray Crystallography (Springer Advanced Texts in Chemistry) Encapsulation Technologies for Electronic Applications (Materials and Processes for Electronic Applications) Advanced Mathematical Concepts: Precalculus with Applications, Student Edition (ADVANCED MATH CONCEPTS) Ace General Chemistry I and II (The EASY Guide to Ace General Chemistry I and II): General Chemistry Study Guide, General Chemistry Review Study Guide: Ace Organic Chemistry I - The EASY Guide to Ace Organic Chemistry I: (Organic Chemistry Study Guide, Organic Chemistry Review, Concepts, Reaction Mechanisms and Summaries)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)