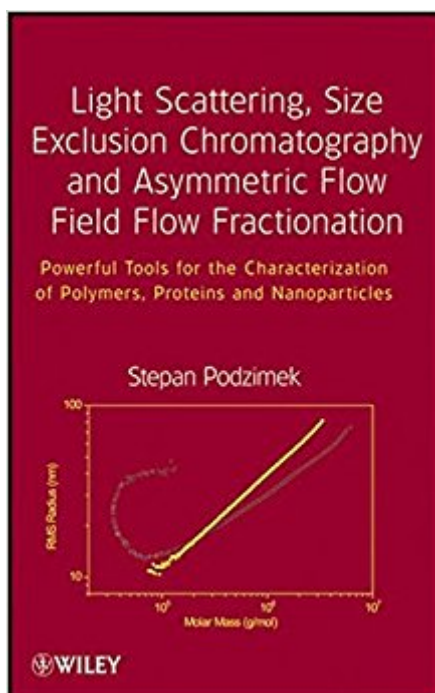


The book was found

Light Scattering, Size Exclusion Chromatography And Asymmetric Flow Field Flow Fractionation: Powerful Tools For The Characterization Of Polymers, Proteins And Nanoparticles



Synopsis

A comprehensive, practical approach to three powerful methods of polymer analysis and characterization. This book serves as a complete compendium of three important methods widely used for the characterization of synthetic and natural polymers: light scattering, size exclusion chromatography (SEC), and asymmetric flow field flow fractionation (A4F). Featuring numerous up-to-date examples of experimental results obtained by light scattering, SEC, and A4F measurements, *Light Scattering, Size Exclusion Chromatography and Asymmetric Flow Field Flow Fractionation* takes an all-in-one approach to deliver a complete and thorough explanation of the principles, theories, and instrumentation needed to characterize polymers from the viewpoint of their molar mass distribution, size, branching, and aggregation. This comprehensive resource: Is the only book gathering light scattering, size exclusion chromatography, and asymmetric flow field flow fractionation into a single text. Systematically compares results of size exclusion chromatography with results of asymmetric flow field flow fractionation, and how these two methods complement each other. Provides in-depth guidelines for reproducible and correct determination of molar mass and molecular size of polymers using SEC or A4F coupled with a multi-angle light scattering detector. Offers a detailed overview of the methodology, detection, and characterization of polymer branching. *Light Scattering, Size Exclusion Chromatography and Asymmetric Flow Field Flow Fractionation* should be of great interest to all those engaged in the polymer analysis and characterization in industrial and university research, as well as in manufacturing quality control laboratories. Both beginners and experienced can confidently rely on this volume to confirm their own understanding or to help interpret their results.

Book Information

Hardcover: 372 pages

Publisher: Wiley; 1 edition (June 29, 2015)

Language: English

ISBN-10: 9780470386170

ISBN-13: 978-0470386170

ASIN: 0470386177

Product Dimensions: 6.4 x 1 x 9.5 inches

Shipping Weight: 1.5 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars 1 customer review

Best Sellers Rank: #2,461,608 in Books (See Top 100 in Books) #33 in Books > Science & Math

> Chemistry > Chromatography #688 inÂ Books > Science & Math > Chemistry > Analytic #1504
inÂ Books > Textbooks > Engineering > Chemical Engineering

Customer Reviews

"The book is, essentially, quite readable and the abundance of figures will help the reader follow the discussions in the text. Most chapters, especially that on A4F, contain adequate references to the literature, including many to relatively recent publications." (Anal Bioanal Chem, 27 December 2011)

A comprehensive, practical approach to three powerful methods of polymer analysis and characterization This book serves as a complete compendium of three important methods widely used for the characterization of synthetic and natural polymers; light scattering, size exclusion chromatography (SEC), and asymmetric flow field flow fractionation (A4F). Featuring numerous up-to-date examples of experimental results obtained by light scattering, SEC, and A4F measurements, Light Scattering, Size Exclusion Chromatography and Asymmetric Flow Field Flow Fractionation takes an all-in-one approach to deliver a complete and thorough explanation of the principles, theories, and instrumentation needed to characterize polymers from the viewpoint of their molar mass distribution, size, branching, and aggregation. This comprehensive resource: Is the only book gathering light scattering, size exclusion chromatography, and asymmetric flow field flow fractionation into a single text Systematically compares results of size exclusion chromatography with results of asymmetric flow field flow fractionation, and how these two methods complement each other Provides in-depth guidelines for reproducible and correct determination of molar mass and molecular size of polymers using SEC or A4F coupled with a multi-angle light scattering detector Offers a detailed overview of the methodology, detection, and characterization of polymer branching Light Scattering, Size Exclusion Chromatography and Asymmetric Flow Field Flow Fractionation should be of great interest to all those engaged in the polymer analysis and characterization in industrial and university research, as well as in manufacturing quality control laboratories. Both beginners and experienced can confidently rely on this volume to confirm their own understanding or to help interpret their results.

A fantastic review and an enlightening read all in one book. This is filled with excellent examples of diverse applications. I have also followed several of the references listed in here to find even more information. Very very satisfied with this purchase.

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

Light Scattering, Size Exclusion Chromatography and Asymmetric Flow Field Flow Fractionation: Powerful Tools for the Characterization of Polymers, Proteins and Nanoparticles Polymers and Neutron Scattering (Oxford Series on Neutron Scattering in Condensed Matter)

CHROMATOGRAPHY OF ALKALOIDS, PART A, Volume 23A: THIN-LAYER CHROMATOGRAPHY (Journal of Chromatography Library) Handbook Of Size Exclusion Chromatography And Related Techniques: Revised And Expanded (Chromatographic Science Series) Column Handbook for Size Exclusion Chromatography Strategies in Size Exclusion Chromatography (ACS Symposium Series) Biophysical Characterization of Proteins in Developing Biopharmaceuticals Preparative Chromatography for Separation of Proteins (Wiley Series in Biotechnology and Bioengineering) Ion-Exchange Chromatography of Proteins (Chromatographic Science Series) Biodegradable Polymers and Plastics (World Conference on Biodegradable Polymers and Plastics (7th) Gas Chromatography and 2D-Gas Chromatography for Petroleum Industry: The Race for Selectivity The Power of Positive Energy: Powerful Thinking, Powerful Life: 9 Powerful Ways for Self-Improvement,Increasing Self-Esteem,& Gaining Positive Energy,Motivation,Forgiveness,Happiness ... Happiness, Change Your Life Book 1) Vogue 1950s Pocket Size Adult Coloring Book: 50s Fashion Coloring Book for Adults Travel Size (Travel Size Coloring Books) (Volume 12) Characterization of Porous Solids and Powders: Surface Area, Pore Size and Density (Particle Technology Series) Dynamic Light Scattering: The Method and Some Applications (Monographs on the Physics and Chemistry of Materials) Multiple Scattering of Light by Particles: Radiative Transfer and Coherent Backscattering Microcapsules and Nanoparticles in Medicine and Pharmacy Enzyme Nanoparticles: Preparation, Characterisation, Properties and Applications (Micro and Nano Technologies) Nanoparticles in the Fight Against Parasites (Parasitology Research Monographs) The Ultimate Guide to Plus-Size Backpacking: Travel Light. Whatever Your Size.

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)