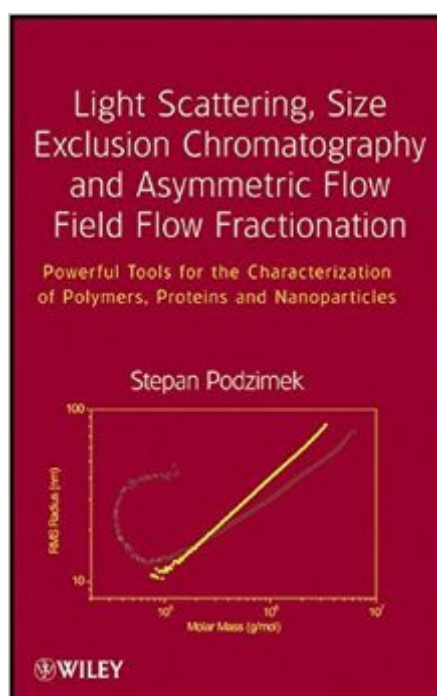


The book was found

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— See all reviews— (1 customer review)

Best Sellers Rank: #1,553,678 in Books (See Top 100 in Books) #18 in Books > Science & Math

> Chemistry > Chromatography #411 inÂ Books > Science & Math > Chemistry > Analytic #919
inÂ Books > Textbooks > Engineering > Chemical Engineering

Customer Reviews

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) Handbook Of Size Exclusion Chromatography And Related Techniques: Revised And Expanded (Chromatographic Science Series) CHROMATOGRAPHY OF ALKALOIDS, PART A, Volume 23A: THIN-LAYER CHROMATOGRAPHY (Journal of Chromatography Library) Biophysical Characterization of Proteins in Developing Biopharmaceuticals Gradient Elution in Column Liquid Chromatography: Theory and Practice (Journal of Chromatography Library) Physical Properties of Polymers Handbook (AIP Series in Polymers & Complex Materials) Characterization of Porous Solids and Powders: Surface Area, Pore Size and Density (Particle Technology Series) Blood Separation and Plasma Fractionation Molecular Light Scattering and Optical Activity Molecular Light Scattering and Opitical Activity Neutron, X-rays and Light. Scattering Methods Applied to Soft Condensed Matter (North-Holland Delta Series) Absorption and Scattering of Light by Small Particles Biomedical Applications of Light Scattering (McGraw-Hill Biophotonics) Dynamic Light Scattering: Applications of Photon Correlation Spectroscopy Light Scattering by Small Particles (Dover Books on Physics) Microcapsules and Nanoparticles in Medicine and Pharmacy Enzyme Nanoparticles: Preparation, Characterisation, Properties and Applications (Micro and Nano Technologies) Standard Guide to Small-Size U.S. Paper Money (Standard Guide to Small-Size U.S. Paper Money 1928 to Date) US Army, Technical Manual, TM 5-3805-290-23P, FIELD MAINTENANCE MANUAL REPAIR PARTS AND SPECIAL TOOLS LISTS (RPSTL) FOR LOADER, LIGHT SCOOP: 2.5 CUBIC ... DRIVE, NSN 3805-01-533-1768 MODEL 924G

[Dmca](#)