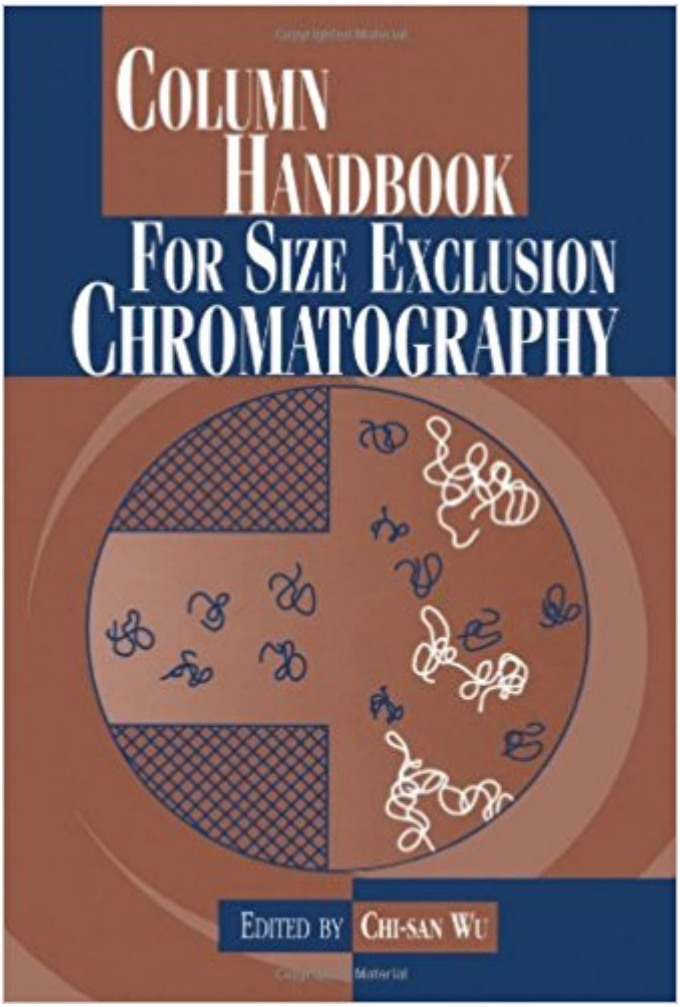
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Column Handbook For Size Exclusion Chromatography



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Synopsis

Column Handbook for Size Exclusion Chromatography is the first comprehensive reference to provide everything one needs to know about commercial analytical and preparative columns for size exclusion and gel filtration chromatography (SEC and GFC). SEC is now widely used as a quality assurance method in the polymer industry (both synthetic and biopolymers) to determine molecular weight and molecular weight distribution. The Handbook contains contributions from every column manufacturer around the world and from many experienced column users. It covers the technology, characterization, application, evaluation, maintenance, and quality control of analytical and preparative columns for SEC and GFC. Also included are columns for two closely related techniques, hydrodynamic chromatography and high osmotic pressure chromatography. Key Features* Evaluate and select columns with confidence for specific applications* Optimize separations and improve the ruggedness of analytical methods* Extend the service time of a column* Establish a quality-control program to ensure consistency in column performance* Avoid the expense of column damage or purchases that do not give the expected results

Book Information

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"This book is definitely a valuable resource for researchers working in the area of polymer science and analytical chemistry. The book is likely to be highly cited in the future and is therefore highly recommended. This book should find a respectable place in most libraries."--POLYMER NEWS, Vol. 25, No. 1"The book is well produced with a consistent style and a comprehensive index. It

clearly belongs on the laboratory shelf of every analyst routinely using SEC."--ROYAL SOCIETY OF CHEMISTRY

The column is the heart of a chromatographic system. For the first time, complete and authoritative information on columns for size exclusion and gel filtration chromatography is available in a single volume containing contributions from every major manufacturer worldwide and many renowned column users. This comprehensive handbook covers the technology, characterization, application, evaluation, maintenance, and quality control of commercial analytical and preparative columns for SEC, GFC, and two closely related techniques, hydrodynamic chromatography and high osmotic pressure chromatography. Experienced column users discuss various applications in organic and aqueous mobile phases for synthetic and biopolymers, small solutes, biopharmaceutical therapeutics, and high-temperature SEC.Key Benefits:* Evaluate and select columns with confidence for specific applications* Optimize separations and improve the ruggedness of analytical methods* Extend the service time of a column* Establish a quality-control program to ensure consistency in column performance* Avoid the expense of column damage or purchases that do not give the expected results

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