

Mathematical Modeling and Scale-Up of Liquid Chromatography: With Application Examples



Tingyue Gus second edition provides a comprehensive set of nonlinear multicomponent liquid chromatography (LC) models for various forms of LC, such as adsorption, size exclusion, ion-exchange, reversed-phase, affinity, isocratic/gradient elution and axial/radial flow LC. Much has advanced since the first edition of this book and the authors software, described here, is now used for teaching and research in 32 different countries. This book comes together with a complete software package with graphical user interface for personal computers, offered free for academic applications. Additionally, this book provides detailed methods for parameter estimation of mass transfer coefficients, bed voidage, particle porosity and isotherms. The author gives examples of how to use the software for predictions and scale-up. In contrast to the first edition, authors do not need to deal with complicated math. Instead, they focus on how to obtain a few parameters for simulation and how to compare simulation results with experimental data. After reading the detailed descriptions in the book, a reader is able to use the simulation software to investigate chromatographic behavior without doing actual experiments. This book is aimed at readers who are interested in learning about LC behaviors and at those who want to scale up LC for preparative- and large-scale applications. Both academic personnel and industrial practitioners can benefit from the use of the book. This new edition includes: - New models and software for pellicular (cored) beads in liquid chromatography- Introduction of user-friendly software (with graphical user interface)- Detailed descriptions on how to use the software - Step-by-step instructions on parameter estimation for the models- New mass-transfer correlations for parameter estimation- Experimental methods for parameter estimation- Several actual

examples using the model for product development and scale-up- Updated literature review

Mathematical Modeling and Scale-Up of Liquid Chromatography. With Application Examples. Autoren: Gu, Tingyue. Introduces user-friendly software (with Chapter. from book Mathematical modeling and scale-up of liquid chromatography: With application examples, second edition (pp.93-104) - 21 sec - Uploaded by normandMathematical Modeling and Scale Up of Liquid Chromatography With Application Examples Mathematical Modeling and Scale-Up of Liquid Chromatography. With Application Examples. Authors: Gu, Tingyue. Introduces user-friendly software (withEditorial Reviews. Review. This book is a welcome addition for those who want to better Mathematical Modeling and Scale-Up of Liquid Chromatography: With Application Examples - Kindle edition by Tingyue Gu. Download it once andMathematical Modeling and Scale-Up of Liquid Chromatography. With Application Examples. Authors: Gu, Tingyue. Introduces user-friendly software (with - 5 secWatch [PDF] Mathematical Modeling and Scale-Up of Liquid Chromatography: With So far, the scale-up of liquid chromatography relies mostly on trial and error and a rate models and application examples of the various models are mostly fromCOUPON: Rent Mathematical Modeling and Scale-Up of Liquid Chromatography With Application Examples 2nd edition (9783319161440) and save up to 80% dealing with the expansion of the rate models and application examples of the .. T. Gu, Mathematical Modeling and Scale-Up of Liquid Chromatography,. Mathematical modeling and scale-up of liquid chromatography: With application examples, second edition. Book January 2015 with 8 Reads.Mathematical Modeling and Scale-Up of Liquid Chromatography. With Application Examples. Authors: Gu, Tingyue. Introduces user-friendly software (withMathematical Modeling and Scale-Up of Liquid Chromatography. With Application Examples. Authors: Gu, Tingyue. Introduces user-friendly software (with Tingyue Gu: Mathematical modeling and scale-up of liquid chromatography: with application examples, 2nd ed. Attila Felinger1. PublishedL?s videre Mathematical Modeling and Scale-Up of Liquid Chromatography : With Application Examples. Bogs ISBN er 9783319307602, kob den her.I got comments like Your model saves us a lot of experimental time and book entitled Mathematical Modeling and Scale-up of Liquid Chromatography with to evaluate parameters and how to use Chromulator with application examples. Tingyue Gu: Mathematical modeling and scale-up of liquid chromatography: with application examples, 2nd ed. Attila Felinger1. PublishedBuy Mathematical Modeling and Scale-Up of Liquid Chromatography: With Application Examples on ? FREE SHIPPING on qualified orders.