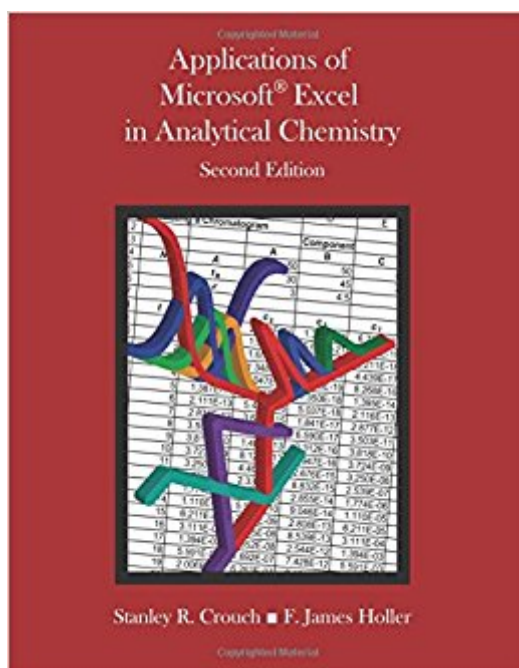


The book was found

Applications Of Microsoft Excel In Analytical Chemistry



Synopsis

This supplement can be used in any analytical chemistry course. The exercises teach students how to use Microsoft Excel using applications from statistics, data analysis equilibrium calculations, curve fitting, and more. Operations include everything from basic arithmetic and cell formatting to Solver, Goal Seek, and the Data Analysis Toolpak. The authors show students how to use a spreadsheet to construct log diagrams and to plot the results. Statistical data treatment includes descriptive statistics, linear regression, hypothesis testing, and analysis of variance. Tutorial exercises include nonlinear regression such as fitting the Van Deemter equation, fitting kinetics data, determining error coefficients in spectrophotometry, and calculating titration curves. Additional features include solving complex systems of equilibrium equations and advanced graphical methods: error bars, charts with insets, matrices and determinants, and much more.

Book Information

Paperback: 480 pages

Publisher: Brooks Cole; 2 edition (January 17, 2013)

Language: English

ISBN-10: 128508795X

ISBN-13: 978-1285087955

Product Dimensions: 8.5 x 1.1 x 10.9 inches

Shipping Weight: 1.6 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #218,894 in Books (See Top 100 in Books) #58 in [Books > Science & Math > Chemistry > Analytic](#) #129 in [Books > Computers & Technology > Software > Microsoft > Microsoft Excel](#) #204 in [Books > Computers & Technology > Business Technology > Software > Spreadsheets](#)

Customer Reviews

1. Excel Basics. 2. Basic Statistical Analysis with Excel. 3. Statistical Tests with Excel. 4. Least-Squares and Calibration Methods. 5. Equilibrium, Activity and Solving Equations. 6. The Systematic Approach to Equilibria: Solving Many Equations. 7. Neutralization Titrations and Graphical Representations. 8. Polyfunctional Acids and Bases. 9. Complexometric and Precipitation Titrations. 10. Potentiometry and Redox Titrations. 11. Dynamic Electrochemistry. 12. Spectrochemical Methods. 13. Kinetic Methods. 14. Chromatography. 15. Electrophoresis and Other Separation Methods. 16. Data Processing with Excel.

F. James Holler is professor emeritus of chemistry and recipient of the Alumni Association Great Teacher Award at the University of Kentucky. He received his Ph.D. from Michigan State University. In addition to his role as co-author of several bestselling texts, he is co-creator of the world-famous Periodic Table of Comic Books. Stanley R. Crouch is professor emeritus at Michigan State University. He received his undergraduate and M.S. degrees from Stanford University and his Ph.D. in analytical chemistry from the University of Illinois. He is the recipient of the 2001 American Chemical Society Division of Analytical Chemistry Award in Chemical Instrumentation and the 1996 ACS Division of Analytical Chemistry Award for Excellence in Teaching.

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

Microsoft Office Productivity Pack: Microsoft Excel, Microsoft Word, and Microsoft PowerPoint
Excel: Complete Beginner's Guide to Mastering Excel and Increasing Productivity (Excel, Microsoft Office Book 1)
Applications of Microsoft Excel in Analytical Chemistry
The Analytical Chemistry of Cannabis: Quality Assessment, Assurance, and Regulation of Medicinal Marijuana and Cannabinoid Preparations (Emerging Issues in Analytical Chemistry)
Excel Basics In 30 Minutes (2nd Edition): The quick guide to Microsoft Excel and Google Sheets
Microsoft Office 365 Home and Business | iPhone Microsoft Office 365 , Excel, Word, PowerPoint, OneNote, Outlook, Access, Project, Visio.: Desktop And iPhone Using Full Course
Enhanced Microsoft Excel 2013: Comprehensive (Microsoft Office 2013 Enhanced Editions)
Spreadsheets: Using Microsoft Excel 97 or Microsoft Office 97 (Software Guides)
Enhanced Microsoft Excel 2013: Illustrated Complete (Microsoft Office 2013 Enhanced Editions)
New Perspectives on Microsoft Excel 2013, Comprehensive Enhanced Edition (Microsoft Office 2013 Enhanced Editions)
Data Mining for Business Intelligence: Concepts, Techniques, and Applications in Microsoft Office Excel with XLMiner
Excel 2013 for Scientists (Excel for Professionals series)
Excel: The Ultimate Beginners Guide: Learn Excel Today
Excel: A Step-by-Step Guide to Learning the Fundamentals of Excel
Excel: Complete Beginner's Guide to Mastering Excel and Increasing Productivity
Power Pivot and Power BI: The Excel User's Guide to DAX, Power Query, Power BI & Power Pivot in Excel 2010-2016
Excel 2016 for Health Services Management Statistics: A Guide to Solving Problems (Excel for Statistics)
Handbook of Coal Analysis (Chemical Analysis: A Series of Monographs on Analytical Chemistry and Its Applications)
High-Speed Countercurrent Chromatography (Chemical Analysis: A Series of Monographs on Analytical Chemistry and Its Applications)
Forensic Applications of Gas Chromatography (Analytical Concepts in Forensic Chemistry)

Contact Us

DMCA

Privacy

FAQ & Help