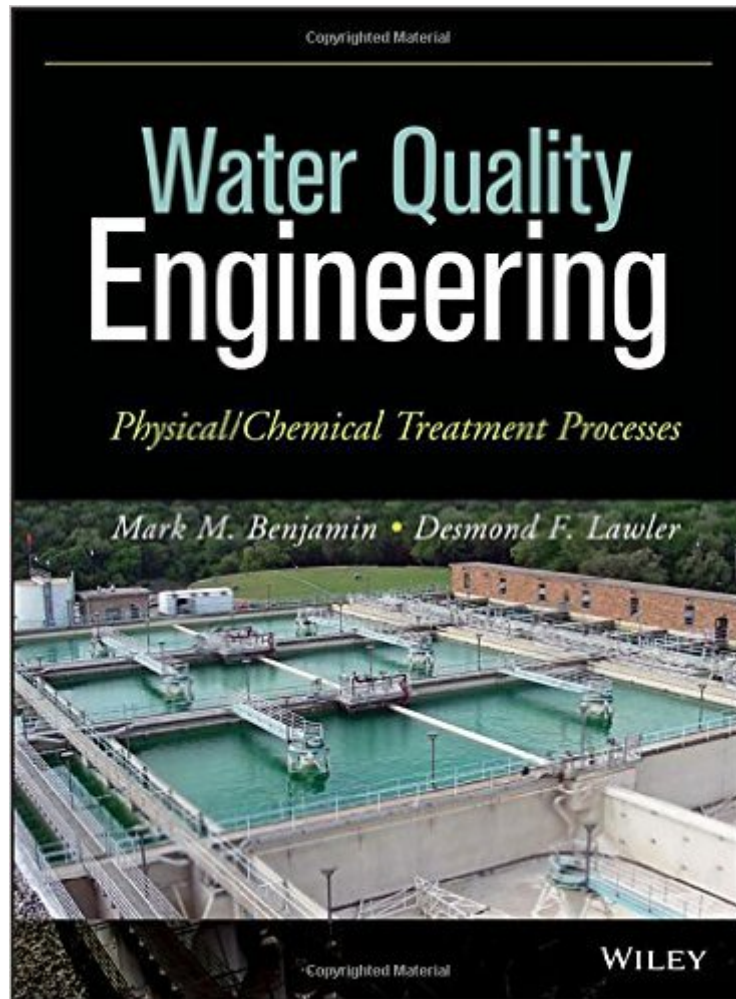


The book was found

Water Quality Engineering: Physical / Chemical Treatment Processes



Synopsis

Explains the fundamental theory and mathematics of water and wastewater treatment processes By carefully explaining both the underlying theory and the underlying mathematics, this text enables readers to fully grasp the fundamentals of physical and chemical treatment processes for water and wastewater. Throughout the book, the authors use detailed examples to illustrate real-world challenges and their solutions, including step-by-step mathematical calculations. Each chapter ends with a set of problems that enable readers to put their knowledge into practice by developing and analyzing complex processes for the removal of soluble and particulate materials in order to ensure the safety of our water supplies. Designed to give readers a deep understanding of how water treatment processes actually work, *Water Quality Engineering* explores:

- Application of mass balances in continuous flow systems, enabling readers to understand and predict changes in water quality
- Processes for removing soluble contaminants from water, including treatment of municipal and industrial wastes
- Processes for removing particulate materials from water
- Membrane processes to remove both soluble and particulate materials

Following the discussion of mass balances in continuous flow systems in the first part of the book, the authors explain and analyze water treatment processes in subsequent chapters by setting forth the relevant mass balance for the process, reactor geometry, and flow pattern under consideration. With its many examples and problem sets, *Water Quality Engineering* is recommended as a textbook for graduate courses in physical and chemical treatment processes for water and wastewater. By drawing together the most recent research findings and industry practices, this text is also recommended for professional environmental engineers in search of a contemporary perspective on water and wastewater treatment processes.

Book Information

Hardcover: 904 pages

Publisher: Wiley; 1 edition (July 1, 2013)

Language: English

ISBN-10: 1118169654

ISBN-13: 978-1118169650

Product Dimensions: 8.9 x 2 x 11.3 inches

Shipping Weight: 4.8 pounds (View shipping rates and policies)

Average Customer Review: 4.3 out of 5 starsÂ Â See all reviewsÂ (3 customer reviews)

Best Sellers Rank: #478,395 in Books (See Top 100 in Books) #118 inÂ Books > Science & Math

> Nature & Ecology > Water Supply & Land Use #158 inÂ Books > Engineering & Transportation > Engineering > Civil & Environmental > Environmental > Water Quality & Treatment #206 inÂ Books > Textbooks > Engineering > Environmental Engineering

Customer Reviews

Thorough and comprehensive resource for water/environmental engineers. A very dense book that contains a lot of useful theoretical information. Complete comprehension requires familiarity with elementary concepts in water and wastewater treatment engineering and a handle on calculus and solving differential equations - refresh your memory a bit if it has been a while since you've touched some of these topics.

Good quality, good illustration, good examples and practice questions. But it would be better if there are solutions to those questions.

The book is wonderful! But the price drops 20 dollars several weeks later!

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

Water Quality Engineering: Physical / Chemical Treatment Processes Introduction to Chemical Engineering Thermodynamics (The McGraw-Hill Chemical Engineering Series) ITI Treatment Guide, Volume 3: Implant Placement in Post-Extraction Sites: Treatment Options (ITI Treatment Guides) Axiomatic Quality: Integrating Axiomatic Design with Six-Sigma, Reliability, and Quality Engineering Water Is Water: A Book About the Water Cycle Chemistry, Grades 6 - 12: Physical and Chemical Changes in Matter (Expanding Science Skills Series) Sterling Test Prep MCAT Practice Tests: Chemical & Physical Foundations Physical Chemistry for the Chemical and Biological Sciences Sterling Test Prep MCAT Practice Tests: Chemical & Physical + Biological & Biochemical Foundations Chemical Intolerance: Physiological Causes and Effects and Treatment Modalities Super Cool Chemical Reaction Activities with Max Axiom (Max Axiom Science and Engineering Activities) Chemical Reaction Engineering, 3rd Edition Waves, Tides and Shallow-Water Processes, Second Edition Quality Management Exam Review for Radiologic Imaging Sciences (Quality Management Review) Quality Management for Organizational Excellence: Introduction to Total Quality (8th Edition) Lean Six Sigma: The Ultimate Guide To Lean Six Sigma With Tools For Improving Quality And Speed! (Lean, Six Sigma, Quality Control) Quality Management for Organizational Excellence: Introduction to Total Quality (7th Edition) Computed Tomography: Physical Principles, Clinical Applications, and Quality Control, 4e A Woman's Decision: Breast Care,

Treatment & Reconstruction (Quality Medical Home Health Library) Physical Chemistry Plus
MasteringChemistry with eText -- Access Card Package (3rd Edition) (Engel Physical Chemistry
Series)

[Dmca](#)