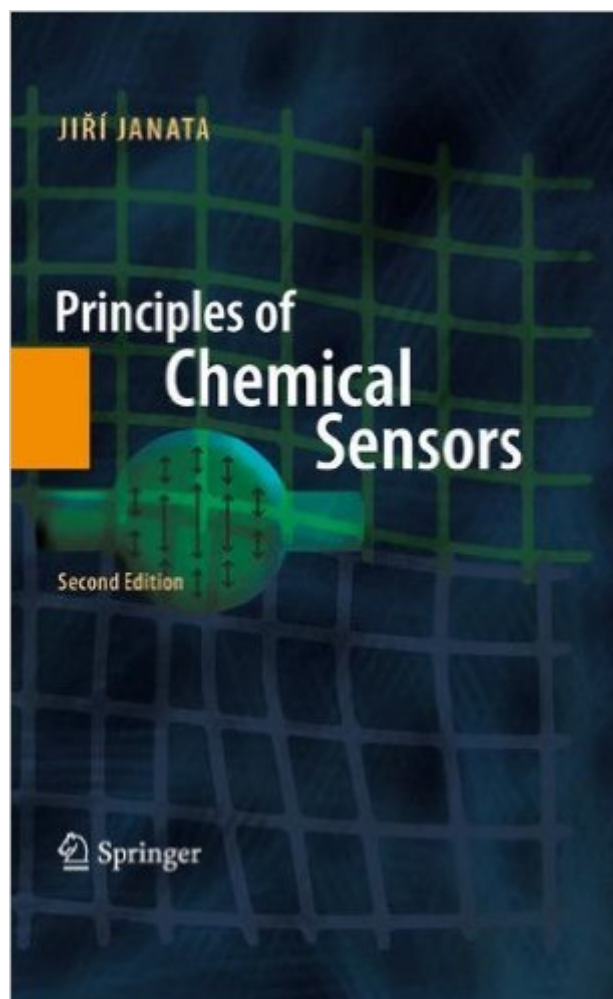


The book was found

# Principles Of Chemical Sensors



## Synopsis

Do not learn the tricks of the trade, learn the trade I started teaching graduate courses in chemical sensors in early 1980s, first as a one-quarter (30 h) class then as a semester course and also as several intensive, 4-5-day courses. Later I organized my lecture notes into the first edition of this book, which was published by Plenum in 1989 under the title Principles of Chemical Sensors. I started working on the second edition in 2006. The new edition of Principles of Chemical Sensors is a teaching book, not a textbook. Let me explain the difference. Textbooks usually cover some more or less narrow subject in maximum depth. Such an approach is not possible here. The subject of chemical sensors is much too broad, spanning many aspects of physical and analytical chemistry, biochemistry, materials science, solid-state physics, optics, device fabrication, electrical engineering, statistical analysis, and so on. The challenge for me has been to present uniform logical coverage of such a large area. In spite of its relatively shallow depth, it is intended as a graduate course. At its present state the amount of material is more than can be covered in a one-semester course (45h). Two one-quarter courses would be more appropriate. Because of the breadth of the material, the sensor course has a somewhat unexpected but, it is hoped, beneficial effect.

## Book Information

Hardcover: 373 pages

Publisher: Springer; 2nd ed. 2009 edition (July 6, 2009)

Language: English

ISBN-10: 0387699309

ISBN-13: 978-0387699301

Product Dimensions: 6.3 x 1 x 9.3 inches

Shipping Weight: 1.8 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #2,529,821 in Books (See Top 100 in Books) #99 in Books > Science & Math > Chemistry > Physical & Theoretical > Electrochemistry #747 in Books > Science & Math > Chemistry > Analytic #4040 in Books > Engineering & Transportation > Engineering > Materials & Material Science

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

Surface Plasmon Resonance Based Sensors (Springer Series on Chemical Sensors and Biosensors) Principles of Chemical Sensors Chemical Sensors and Biosensors Chemical Sensors and Biosensors: Fundamentals and Applications The Principles of Chemical Equilibrium: With

Applications in Chemistry and Chemical Engineering  
Chemical Engineering Design and Analysis: An Introduction (Cambridge Series in Chemical Engineering)  
Analysis of Engineering Design Studies for Demilitarization of Assembled Chemical Weapons at Pueblo Chemical Depot (The Compass series)  
Fluid Mechanics for Chemical Engineers (McGraw-Hill Chemical Engineering)  
Healing Severe Chemical and EMF Sensitivity: Our Breakthrough Cure for Multiple Chemical Sensitivities (MCS) and Electro-hypersensitivity (EHS)  
Applied Parameter Estimation for Chemical Engineers (Chemical Industries)  
Kinetics of Chemical Processes: Butterworth-Heinemann Series in Chemical Engineering  
Contemporary Theory of Chemical Isomerism (Understanding Chemical Reactivity)  
Analysis, Synthesis and Design of Chemical Processes (4th Edition) (Prentice Hall International Series in the Physical and Chemical Engineering Sciences) 4th (fourth) Edition by Turton, Richard, Bailie, Richard, Whiting, Wallace B., Shaei [2012]  
Handbook of Chemical Compound Data for Process Safety (Library of Physico-Chemical Property Data)  
Advances in Chemical Physics, Volume 15: Stochastic Processes in Chemical Physics (v. 15)  
Chemical Dynamics at Low Temperatures (Advances in Chemical Physics)  
Encyclopedia of Electronic Components Volume 3: Sensors for Location, Presence, Proximity, Orientation, Oscillation, Force, Load, Human Input, Liquid ... Light, Heat, Sound, and Electricity  
Make: Sensors: A Hands-On Primer for Monitoring the Real World with Arduino and Raspberry Pi  
Handbook of Modern Sensors: Physics, Designs, and Applications  
Getting Started with Intel Edison: Sensors, Actuators, Bluetooth, and Wi-Fi on the Tiny Atom-Powered Linux Module (Make : Technology on Your Time)

[Dmca](#)