

Chemosensors: Principles, Strategies, and Applications

From Wiley

Download now

Read Online

Chemosensors: Principles, Strategies, and Applications From Wiley

A thorough, accessible, and general overview of chemosensors

Providing a comprehensive overview of chemosensors—organic molecules designed to bind and sense small molecules or metal ions—and their applications, Chemosensors: Principles, Strategies, and Applications is an accessible one-stop resource for analysts, clinicians, and graduate students studying advanced chemistry and chemosensing.

Chemosensors function on a molecular level, generating a signal upon binding. The book reviews their synthesis, design, and applications for detecting biological and organic molecules as well as metal ions. The text highlights applications in drug discovery and catalyses that have not been well covered elsewhere.

Covering such topics as molecular recognition, detection methods, design strategies, and important biological issues, the book is broken into four sections that examine intermolecular interactions, strategies in sensor design, detection methods, and case studies in metal, saccharide, and amino acid sensing.

An indispensable source of information for chemical and biomedical experts using sensors, Chemosensors includes case studies to make the material both accessible and understandable to chemists of all backgrounds.

Download Chemosensors: Principles, Strategies, and Applicat ...pdf

Read Online Chemosensors: Principles, Strategies, and Applic ...pdf

Chemosensors: Principles, Strategies, and Applications

From Wiley

Chemosensors: Principles, Strategies, and Applications From Wiley

A thorough, accessible, and general overview of chemosensors

Providing a comprehensive overview of chemosensors—organic molecules designed to bind and sense small molecules or metal ions—and their applications, Chemosensors: Principles, Strategies, and Applications is an accessible one-stop resource for analysts, clinicians, and graduate students studying advanced chemistry and chemosensing.

Chemosensors function on a molecular level, generating a signal upon binding. The book reviews their synthesis, design, and applications for detecting biological and organic molecules as well as metal ions. The text highlights applications in drug discovery and catalyses that have not been well covered elsewhere.

Covering such topics as molecular recognition, detection methods, design strategies, and important biological issues, the book is broken into four sections that examine intermolecular interactions, strategies in sensor design, detection methods, and case studies in metal, saccharide, and amino acid sensing.

An indispensable source of information for chemical and biomedical experts using sensors, Chemosensors includes case studies to make the material both accessible and understandable to chemists of all backgrounds.

Chemosensors: Principles, Strategies, and Applications From Wiley Bibliography

- Sales Rank: #4602205 in Books
- Published on: 2011-09-21
- Original language: English
- Number of items: 1
- Dimensions: 11.30" h x 1.24" w x 8.70" l, 3.35 pounds
- Binding: Hardcover
- 540 pages

Download Chemosensors: Principles, Strategies, and Applicat ...pdf

Read Online Chemosensors: Principles, Strategies, and Applic ...pdf

Download and Read Free Online Chemosensors: Principles, Strategies, and Applications From Wiley

Editorial Review

About the Author
BINGHE WANG, PhD, is Professor and Chair of the Department of Chemistry at Georgia State University as well as Georgia Research Alliance Eminent Scholar in Drug Discovery. He is Editor-in-Chief of the journal Medicinal Research Reviews, series editor for the Wiley Series in Drug Discovery and Development, and coeditor of Drug Delivery: Principles and Applications and Carbohydrate Recognition: Biological Problems, Methods, and Applications, both from Wiley.

ERIC V. ANSLYN, PhD, is the Norman Hackerman Professor of Chemistry at the University of Texas at Austin. His research interests include physical organic chemistry, molecular recognition, sensor design, and sensor arrays.

Users Review

From reader reviews:

Erna Taylor:

Do you one of people who can't read enjoyable if the sentence chained from the straightway, hold on guys that aren't like that. This Chemosensors: Principles, Strategies, and Applications book is readable simply by you who hate those perfect word style. You will find the data here are arrange for enjoyable reading through experience without leaving perhaps decrease the knowledge that want to give to you. The writer involving Chemosensors: Principles, Strategies, and Applications content conveys the thought easily to understand by lots of people. The printed and e-book are not different in the content but it just different in the form of it. So , do you nevertheless thinking Chemosensors: Principles, Strategies, and Applications is not loveable to be your top list reading book?

Donald Davisson:

The feeling that you get from Chemosensors: Principles, Strategies, and Applications could be the more deep you excavating the information that hide inside words the more you get interested in reading it. It does not mean that this book is hard to be aware of but Chemosensors: Principles, Strategies, and Applications giving you buzz feeling of reading. The article writer conveys their point in particular way that can be understood by anyone who read that because the author of this e-book is well-known enough. This kind of book also makes your own vocabulary increase well. Therefore it is easy to understand then can go to you, both in printed or e-book style are available. We recommend you for having this particular Chemosensors: Principles, Strategies, and Applications instantly.

Ruth Santiago:

Why? Because this Chemosensors: Principles, Strategies, and Applications is an unordinary book that the inside of the guide waiting for you to snap it but latter it will shock you with the secret that inside. Reading

this book beside it was fantastic author who write the book in such amazing way makes the content within easier to understand, entertaining technique but still convey the meaning fully. So , it is good for you for not hesitating having this nowadays or you going to regret it. This phenomenal book will give you a lot of positive aspects than the other book possess such as help improving your talent and your critical thinking way. So , still want to postpone having that book? If I ended up you I will go to the publication store hurriedly.

Charles Smith:

Playing with family in a very park, coming to see the marine world or hanging out with friends is thing that usually you may have done when you have spare time, then why you don't try point that really opposite from that. One activity that make you not feeling tired but still relaxing, trilling like on roller coaster you already been ride on and with addition details. Even you love Chemosensors: Principles, Strategies, and Applications, it is possible to enjoy both. It is very good combination right, you still would like to miss it? What kind of hangout type is it? Oh occur its mind hangout men. What? Still don't understand it, oh come on its called reading friends.

Download and Read Online Chemosensors: Principles, Strategies, and Applications From Wiley #AES8OFYUVZ0

Read Chemosensors: Principles, Strategies, and Applications From Wiley for online ebook

Chemosensors: Principles, Strategies, and Applications From Wiley Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Chemosensors: Principles, Strategies, and Applications From Wiley books to read online.

Online Chemosensors: Principles, Strategies, and Applications From Wiley ebook PDF download

Chemosensors: Principles, Strategies, and Applications From Wiley Doc

Chemosensors: Principles, Strategies, and Applications From Wiley Mobipocket

Chemosensors: Principles, Strategies, and Applications From Wiley EPub