



# Modern Fluoroorganic Chemistry: Synthesis, Reactivity, Applications

By Peer Kirsch

Download now

Read Online ➔

## Modern Fluoroorganic Chemistry: Synthesis, Reactivity, Applications By Peer Kirsch

The second edition of this classic reference work has been completely revised and updated, as well as being enlarged by 20% to reflect the latest developments in synthetic organic fluorine chemistry, taking into account new applications in materials science and medicinal chemistry.

The new developments in transition-metal-catalyzed methods for the introduction of fluorine and fluorinated groups are discussed. In addition, new chapters have been added on such important applications as organic electronics (OLEDs) and fluorinated dyes. Appendices containing synthetic procedures and conversions round off this comprehensive work.

This work is a valuable reference for fluorine chemists that also provides nonspecialists with an introduction to the field.

From reviews of the first edition:

"... a well-produced book with attractive graphics, photos and schemes. Throughout the book, coloured electrostatic maps of small organofluorine compounds are used to illustrate charge distributions. These are effective as well as attractive. I would point any organic chemist to this book who wants to learn about and do some fluorine chemistry. It provides uncluttered descriptions and a clear orientation to the literature in this important area of the organic chemistry."

CHEMBIOCHEM - A European Journal of Chemical Biology

 [Download Modern Fluoroorganic Chemistry: Synthesis, Reactiv ...pdf](#)

 [Read Online Modern Fluoroorganic Chemistry: Synthesis, React ...pdf](#)



# Modern Fluoroorganic Chemistry: Synthesis, Reactivity, Applications

*By Peer Kirsch*

## Modern Fluoroorganic Chemistry: Synthesis, Reactivity, Applications By Peer Kirsch

The second edition of this classic reference work has been completely revised and updated, as well as being enlarged by 20% to reflect the latest developments in synthetic organic fluorine chemistry, taking into account new applications in materials science and medicinal chemistry.

The new developments in transition-metal-catalyzed methods for the introduction of fluorine and fluorinated groups are discussed. In addition, new chapters have been added on such important applications as organic electronics (OLEDs) and fluorinated dyes. Appendices containing synthetic procedures and conversions round off this comprehensive work.

This work is a valuable reference for fluorine chemists that also provides nonspecialists with an introduction to the field.

From reviews of the first edition:

"... a well-produced book with attractive graphics, photos and schemes. Throughout the book, coloured electrostatic maps of small organofluorine compounds are used to illustrate charge distributions. These are effective as well as attractive. I would point any organic chemist to this book who wants to learn about and do some fluorine chemistry. It provides uncluttered descriptions and a clear orientation to the literature in this important area of the organic chemistry."

CHEMBIOCHEM - A European Journal of Chemical Biology

## Modern Fluoroorganic Chemistry: Synthesis, Reactivity, Applications By Peer Kirsch Bibliography

- Sales Rank: #4299936 in Books
- Brand: Brand: Wiley-VCH
- Published on: 2013-04-15
- Original language: English
- Number of items: 1
- Dimensions: 9.75" h x .97" w x 6.90" l, 2.23 pounds
- Binding: Hardcover
- 384 pages

 [Download Modern Fluoroorganic Chemistry: Synthesis, Reactiv ...pdf](#)

 [Read Online Modern Fluoroorganic Chemistry: Synthesis, React ...pdf](#)



## **Editorial Review**

### **Review**

"... a well-produced book with attractive graphics, photos and schemes. Throughout the book, coloured electrostatic maps of small organofluorine compounds are used to illustrate charge distributions. These are effective as well as attractive. I would point any organic chemist to this book who wants to learn about and do some fluorine chemistry. It provides uncluttered descriptions and a clear orientation to the literature in this important area of the organic chemistry."

CHEMBIOCHEM - A European Journal of Chemical Biology

### **From the Back Cover**

The second edition of this classic reference work has been completely revised and updated, as well as being enlarged by 20% to reflect the latest developments in synthetic organic fluorine chemistry, taking into account new applications in materials science and medicinal chemistry.

The new developments in transition-metal-catalyzed methods for the introduction of fluorine and fluorinated groups are discussed. In addition, new chapters have been added on such important applications as organic electronics (OLEDs) and fluorinated dyes. Appendices containing synthetic procedures and conversions round off this comprehensive work.

This work is a valuable reference for fluorine chemists that also provides non-specialists with an introduction to the field.

### **About the Author**

**Peer Kirsch** is the Director of Emerging Technologies at Merck KGaA in Darmstadt, Germany. Having obtained his PhD in chemistry at Heidelberg University and the Max Planck Institute for Medical Research working with Prof. Dr. Heinz A. Staab in 1993, he spent two years as a postdoctoral researcher at the Institute of Physical and Chemical Research (RIKEN) in Wako, Japan, before he joined Merck in 1995. He worked on the design and synthesis of liquid crystals for LCD applications for 10 years, with a strong focus on fluoroorganic synthesis and computational property prediction. From 2005 to 2010 he worked for Merck Ltd. Japan in various functions. Since 2009 Peer Kirsch is a visiting professor at the University of Bremen and he teaches also at the University of Freiburg since 2011. He has authored more than 45 scientific publications as well as more than 140 patents. His main research interests include the application of fluoroorganic chemistry, molecular modelling and combinatorial methods for the design and synthesis of highly fluorinated liquid crystals and other advanced materials.

## **Users Review**

### **From reader reviews:**

#### **John Mullen:**

Do you have favorite book? In case you have, what is your favorite's book? Book is very important thing for us to learn everything in the world. Each reserve has different aim or maybe goal; it means that guide has different type. Some people experience enjoy to spend their the perfect time to read a book. They are reading

whatever they consider because their hobby is usually reading a book. What about the person who don't like studying a book? Sometime, individual feel need book if they found difficult problem as well as exercise. Well, probably you will require this Modern Fluoroorganic Chemistry: Synthesis, Reactivity, Applications.

**Bernadine Williams:**

This Modern Fluoroorganic Chemistry: Synthesis, Reactivity, Applications are usually reliable for you who want to be a successful person, why. The key reason why of this Modern Fluoroorganic Chemistry: Synthesis, Reactivity, Applications can be one of the great books you must have is usually giving you more than just simple reading food but feed an individual with information that perhaps will shock your before knowledge. This book is definitely handy, you can bring it all over the place and whenever your conditions at e-book and printed versions. Beside that this Modern Fluoroorganic Chemistry: Synthesis, Reactivity, Applications giving you an enormous of experience including rich vocabulary, giving you trial run of critical thinking that we all know it useful in your day exercise. So , let's have it and enjoy reading.

**Joel Newsom:**

Reading can called imagination hangout, why? Because when you find yourself reading a book especially book entitled Modern Fluoroorganic Chemistry: Synthesis, Reactivity, Applications your mind will drift away trough every dimension, wandering in each and every aspect that maybe unidentified for but surely can be your mind friends. Imaging just about every word written in a e-book then become one form conclusion and explanation that maybe you never get just before. The Modern Fluoroorganic Chemistry: Synthesis, Reactivity, Applications giving you an additional experience more than blown away your mind but also giving you useful details for your better life with this era. So now let us demonstrate the relaxing pattern at this point is your body and mind will probably be pleased when you are finished examining it, like winning a. Do you want to try this extraordinary wasting spare time activity?

**John Stevenson:**

Do you have something that you like such as book? The book lovers usually prefer to pick book like comic, limited story and the biggest some may be novel. Now, why not trying Modern Fluoroorganic Chemistry: Synthesis, Reactivity, Applications that give your pleasure preference will be satisfied by simply reading this book. Reading practice all over the world can be said as the opportunity for people to know world a great deal better then how they react to the world. It can't be claimed constantly that reading practice only for the geeky man but for all of you who wants to become success person. So , for all of you who want to start reading as your good habit, you may pick Modern Fluoroorganic Chemistry: Synthesis, Reactivity, Applications become your starter.

**Download and Read Online Modern Fluoroorganic Chemistry: Synthesis, Reactivity, Applications By Peer Kirsch**

**#WX689NM0BKU**

## **Read Modern Fluoroorganic Chemistry: Synthesis, Reactivity, Applications By Peer Kirsch for online ebook**

Modern Fluoroorganic Chemistry: Synthesis, Reactivity, Applications By Peer Kirsch 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 Modern Fluoroorganic Chemistry: Synthesis, Reactivity, Applications By Peer Kirsch books to read online.

### **Online Modern Fluoroorganic Chemistry: Synthesis, Reactivity, Applications By Peer Kirsch ebook PDF download**

#### **Modern Fluoroorganic Chemistry: Synthesis, Reactivity, Applications By Peer Kirsch Doc**

Modern Fluoroorganic Chemistry: Synthesis, Reactivity, Applications By Peer Kirsch Mobipocket

Modern Fluoroorganic Chemistry: Synthesis, Reactivity, Applications By Peer Kirsch EPub

**WX689NM0BKU: Modern Fluoroorganic Chemistry: Synthesis, Reactivity, Applications By Peer Kirsch**