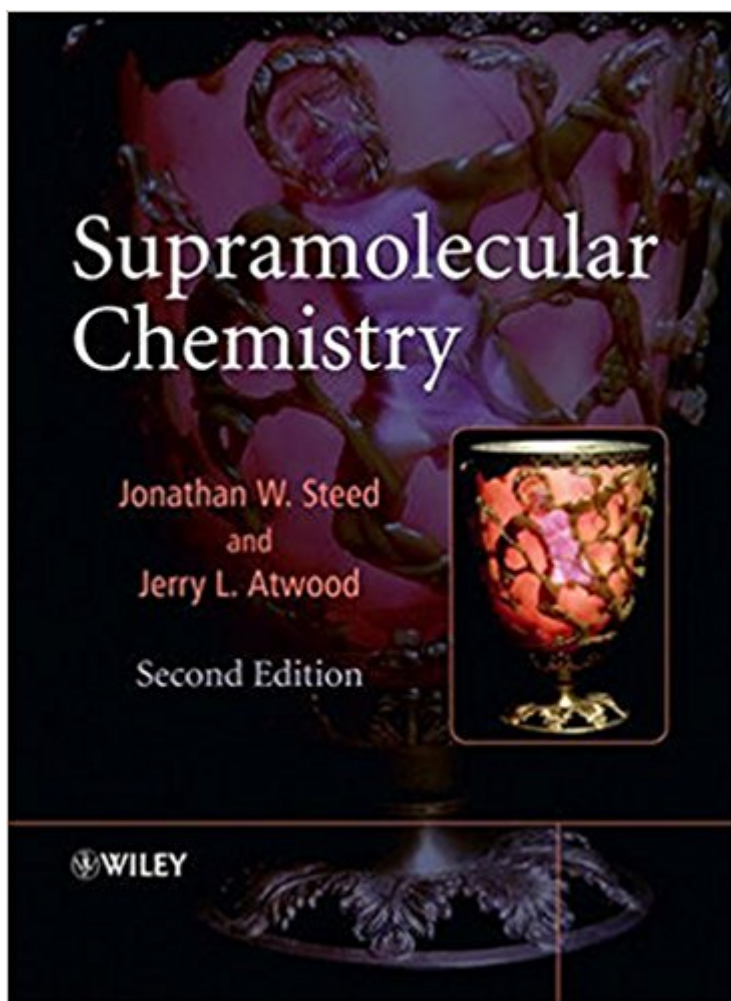


The book was found

Supramolecular Chemistry



Synopsis

Supramolecular chemistry is chemistry beyond the molecule - the chemistry of molecular assemblies and intermolecular bonds. It is one of today's fastest growing disciplines, crossing a range of subjects from biological chemistry to materials science; and from synthesis to spectroscopy. Supramolecular Chemistry is an up-to-date, integrated textbook that tells the newcomer to the field everything they need to know to get started. Assuming little in the way of prior knowledge, the book covers the concepts behind the subject, its breadth, applications and the latest contemporary thinking in the area. It also includes coverage of the more important experimental and instrumental techniques needed by supramolecular chemists. The book has been thoroughly updated for this second edition. In addition to the strengths of the very popular first edition, this comprehensive new version expands coverage into a broad range of emerging areas. Clear explanations of both fundamental and nascent concepts are supplemented by up-to-date coverage of exciting emerging trends in the literature. Numerous examples and problems are included throughout the book. A system of "key references" allows rapid access to the secondary literature, and of course comprehensive primary literature citations are provided. A selection of the topics covered is listed below.

Cation, anion, ion-pair and molecular host-guest chemistry
Crystal engineering
Topological entanglement
Clathrates
Self-assembly
Molecular devices
Dendrimers
Supramolecular polymers
Microfabrication
Nanoparticles
Chemical emergence
Metal-organic frameworks
Gels
Ionic liquids
Supramolecular catalysis
Molecular electronics
Polymorphism
Gas sorption
Anion-pinteractions
Nanochemistry

Supramolecular Chemistry is a must for both students new to the field and for experienced researchers wanting to explore the origins and wider context of their work. Review: "At just under 1000 pages, the second edition of Steed and Atwood's Supramolecular Chemistry is the most comprehensive overview of the area available in textbook form...highly recommended." Chemistry World, August 2009

Book Information

Paperback: 1002 pages

Publisher: Wiley; 2nd edition (February 9, 2009)

Language: English

ISBN-10: 0470512342

ISBN-13: 978-0470512340

Product Dimensions: 7.5 x 2.3 x 9.5 inches

Shipping Weight: 4.1 pounds (View shipping rates and policies)

Average Customer Review: 3.6 out of 5 stars 3 customer reviews

Best Sellers Rank: #561,143 in Books (See Top 100 in Books) #67 in Books > Science & Math > Chemistry > Molecular Chemistry #432 in Books > Science & Math > Chemistry > Physical & Theoretical #1969 in Books > Textbooks > Science & Mathematics > Chemistry

Customer Reviews

This second edition of Supramolecular Chemistry, achieves a difficult task – both capturing the excitement at the cutting-edge of this active research field, while also providing an in-depth educational introduction to the topic. (Education in Chemistry, November 2009) Entries vary from single species to large groups; hence coverage is quite variable, though always informative. This volume will be useful for researchers and clinicians. Summing Up: Recommended. (CHOICE, October 2009) At just under 1000 pages, the second edition of Steed and Atwood's Supramolecular Chemistry is the most comprehensive overview of the area available in textbook form. (Chemistry World, August 2009)

Supramolecular chemistry is the chemistry beyond the molecule – the chemistry of molecular assemblies and intermolecular bonds. It is one of today's fastest growing disciplines, crossing a range of subjects from biological chemistry to materials science; and from synthesis to spectroscopy. Supramolecular Chemistry is an up-to-date, integrated textbook that tells the newcomer to the field everything they need to know to get started. Assuming little in the way of prior knowledge, the book covers the concepts behind the subject, its breadth, applications and the latest contemporary thinking in the area. It also includes coverage of the more important experimental and instrumental techniques needed by supramolecular chemists. The book has been thoroughly updated for this second edition. In addition to the strengths of the very popular first edition, this comprehensive new version expands coverage into a broad range of emerging areas. Clear explanations of both fundamental and nascent concepts are supplemented by up-to-date coverage of exciting emerging trends in the literature. Numerous examples and problems are included throughout the book. A system of "key references" allows rapid access to the secondary literature, and of course comprehensive primary literature citations are provided. A selection of the topics covered is listed below. Cation, anion, ion-pair and molecular host-guest chemistry Crystal engineering Topological entanglement Clathrates Self-assembly, Molecular devices Dendrimers Supramolecular polymers Microfabrication Nanoparticles Chemical emergence Metal-organic frameworks Gels Ionic liquids Supramolecular catalysis Molecular electronics

Polymorphism Gas sorption Anion-p interactions Nanochemistry Supramolecular Chemistry is a must for both students new to the field and for experienced researchers wanting to explore the origins and wider context of their work

Book was little damaged (paperback), but I am satisfied with book.

Couldn't be better

Book is new as described. However, I am disappointed by delivery time. It took more than 10 business day shipping just from IL to MI.

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

Transition Metals in Supramolecular Chemistry (Perspectives in Supramolecular Chemistry)
Supramolecular Chemistry (Oxford Chemistry Primers) Boronic Acids in Saccharide Recognition:
RSC (Monographs in Supramolecular Chemistry) Supramolecular Chemistry Supramolecular
Chemistry: Concepts and Perspectives Study Guide: Ace Organic Chemistry I - The EASY Guide to
Ace Organic Chemistry I: (Organic Chemistry Study Guide, Organic Chemistry Review, Concepts,
Reaction Mechanisms and Summaries) Ace General Chemistry I and II (The EASY Guide to Ace
General Chemistry I and II): General Chemistry Study Guide, General Chemistry Review
Supramolecular Materials for Opto-Electronics (Smart Materials Series) What is Organic Chemistry?
Chemistry Book 4th Grade | Children's Chemistry Books Surviving Chemistry Review Book: High
School Chemistry: 2015 Revision - with NYS Chemistry Regents Exams: The Physical Setting
Surviving Chemistry Workbook: High School Chemistry: 2015 Revision - with NYS Chemistry
Reference Tables Modern Chemistry Florida: Holt Chemistry and Modern Chemistry FCAT
Standardized Test Preparation Surviving Chemistry Guided Study Book: High School Chemistry:
2015 Revision - with NYS Chemistry Regents Exams: The Physical Setting Tietz Fundamentals of
Clinical Chemistry and Molecular Diagnostics, 7e (Fundamentals of Clinical Chemistry (Tietz))
Combining Chemicals - Fun Chemistry Book for 4th Graders | Children's Chemistry Books Glencoe
Physical iScience Modules: Chemistry, Grade 8, Student Edition (GLEN SCI: CHEMISTRY) Acids
and Bases - Food Chemistry for Kids | Children's Chemistry Books Collins CAPE Chemistry –
CAPE Chemistry Multiple Choice Practice Sterling Test Prep CLEP Chemistry Practice Questions:
High Yield CLEP Chemistry Questions Examcrackers MCAT 101 Passages: Chemistry: General &
Organic Chemistry

Contact Us

DMCA

Privacy

FAQ & Help