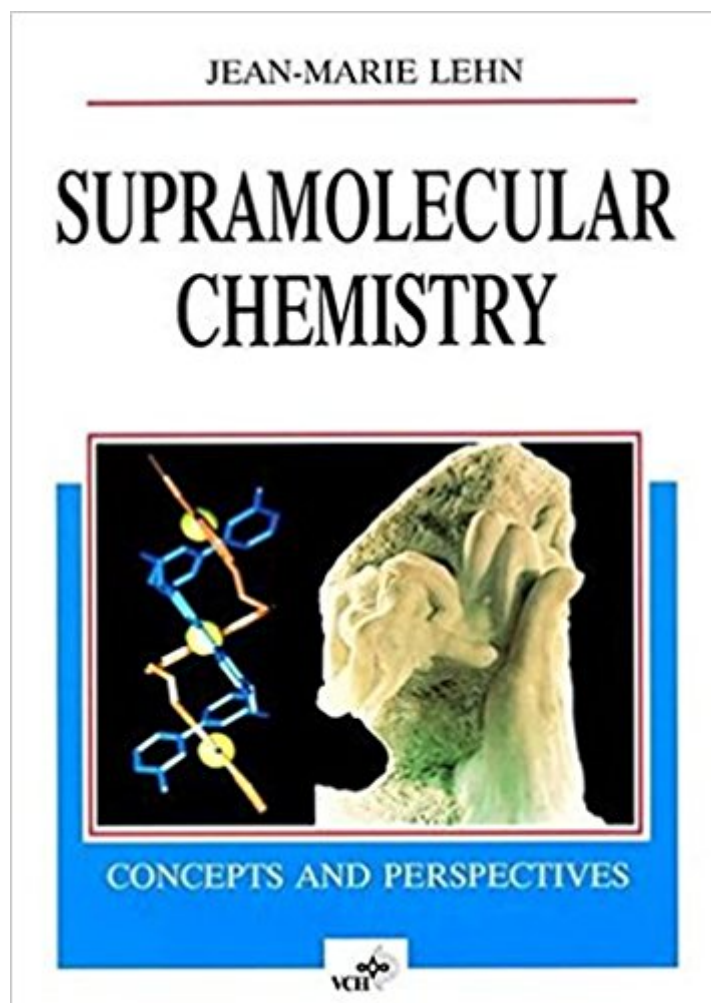


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Supramolecular Chemistry: Concepts And Perspectives



Synopsis

Supramolecular chemistry is a central theme not only in chemistry, but in neighboring disciplines including physics and the biological sciences. The author has introduced this notion and has been awarded the Nobel Prize for his achievements in this area. He presents here the concepts, lines of development and perspectives of this highly interdisciplinary and burgeoning field of research.

Topics include: - molecular recognition - catalysis and transport processes - molecular and supramolecular devices - self-processes By placing the basic concepts into a broader perspective, the author succeeds in inspiring, stimulating and challenging the creative imagination of his reader.

Book Information

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Customer Reviews

Jean-Marie Lehn *Supramolecular Chemistry Concepts and Perspectives* Chemistry Beyond the Molecule "Where nature finishes producing its own species, man begins, using natural things and with the help of this nature, to create an infinity of species." Leonardo da Vinci Molecular chemistry rules the covalent bond. Supramolecular chemistry is "chemistry beyond the molecule", whose goal is to gain control over the intermolecular non-covalent bond. It is concerned with the entities of higher complexity than molecules themselves; supramolecular species and assemblies held together and organized by means of intermolecular, binding interactions. It is a highly interdisciplinary field of science and technology, bridging chemistry with biology and physics. Supramolecular chemistry embodies the creative power of chemistry. By its very essence, by its ability to create and through the beauty of its objects, chemistry is an art as well as a science.

Indeed, it fashions entire new worlds that do not exist before they are shaped by the hand of the chemist, just as matter, shaped by the hand of the sculptor, becomes a work of art. This is powerfully expressed by the sculpture of Auguste Rodin on the cover picture.

Love this book, learned so much. Started off as a novice but now I feel confident.

A very well written book, specially for someone who does not have a lot of knowledge on this new field

When I first got into the world of supramolecular chemistry I didn't know where to start, where to gather a general view of the topics. I also wanted to search some interesting examples in the literature. This book helped me achieve these in a very short time. The subjects are up-to-date and the examples given in the text are really impressing. I had the book from our school library and hope to have one to my own- as a guide all the time..

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