DESCRIPTION

Supramolecular chemistry is one of the most actively pursued fields of science. Its implications reach from molecular recognition in synthetic and natural complexes to exciting new applications in chemical technologies, materials, and biological and medical science. Principles and Methods in Supramolecular Chemistry gives a systematic and concise overview of this diverse subject. Particular emphasis is given to the physical principles and methods which are important in the design, characterization, and application of supramolecular systems. Features that make this monograph essential reading for graduates and researchers in this area include:

* A comprehensive overview of non-covalent interactions in supramolecular complexes

* A guide to characterizing such complexes by physical methods

* Selected applications of synthetic supramolecular systems

* Question and answer sections

* Illustrations from the Author's webpage which compliment the book.

ABOUT THE AUTHOR

Hans-Jörg Schneider has taught supramolecular chemistry courses at various institutions throughout the world. He has published over 85 papers in this field including several reviews and book contributions. Anatoly Yatsimirsky has conducted extensive
research in the field of bioorganic chemistry studying micellar and metal complex catalysis. He has also published over 50 papers in these fields.

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