

Constitutional dynamic chemistry

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Abstrak

This book is about, constitutional dynamic chemistry : bridge from supramolecular chemistry to adaptive chemistry, multistate and phase change selection in constitutional multivalent systems, dynamic systemic resolution, dynamic combinatorial self-replicating systems, DCC in the development of nucleic acid targeted and nucleic acid inspired structures, dynamic nanoplatfoms in biosensor and membrane constitutional systems, dynamic assembly of block-copolymers, dynamic chemistry of anion recognition, supramolecular naphthalenediimide nanotubes, synthetic molecular machines and polymer/monomer size switches that operate through dynamic and non-dynamic covalent changes, and reversible covalent chemistries compatible with the principles of constitutional dynamic chemistry : new reactions to create more diversity.