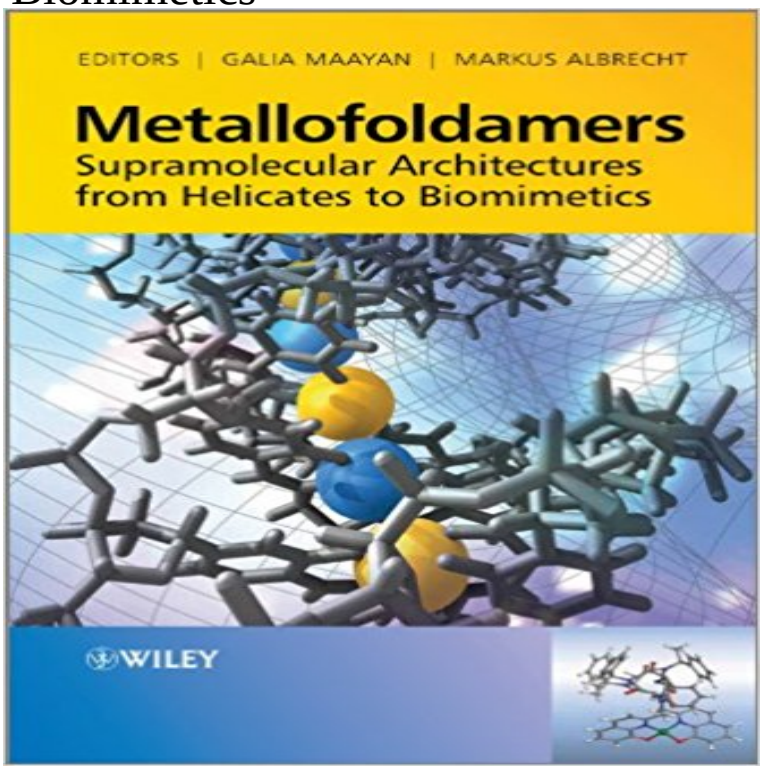
Metallofoldamers: Supramolecular Architectures from Helicates to Biomimetics



Metallofoldamers are oligomers that fold into three-dimensional structures in a controlled manner upon coordination with metal ions. Molecules in this class have shown an impressive ability to form single-handed helical structures and other three-dimensional architectures. Several metallofoldamers have been applied as sensors due to their selective folding when binding to a specific metal ion, while others show promise for applications as responsive materials on the basis of their ability to fold and unfold upon changes in the oxidation state of the coordinated metal ion, and as novel catalysts. Metallofoldamers: From Helicates to Biomimetic Architectures describes the variety of interactions between oligomers and metal species, with a focus on non-natural synthetic molecules. Topics covered include: the major classes of foldamers and their folding driving force metalloproteins and metalloenzymes helicates: self-assembly, structure and applications abiotic metallo-DNA metallo-PNA and iDNA metallopeptides interactions of biomimetic oligomers with metal ions applications of metallofoldamers

Metallofoldamers: Supramolecular Architectures from Helicates to - Google Books Result Oct 15, 2013 Metallofoldamers. Supramolecular Architectures from Helicates to Biomimetics. Herausgegeben von Galia Maayan und Markus Albrecht. **Metallofoldamers: Supramolecular Architectures from Helicates to** Metallofoldamers: Supramolecular Architectures from Helicates to Biomimetics: Galia Maayan, Markus Albrecht: : Libros. **Metallofoldamers: Supramolecular Architectures from Helicates to** Metallofoldamers: Supramolecular Architectures from Helicates to Biomimetics on ResearchGate, the professional network for scientists. **Metallofoldamers: Supramolecular Architectures from Helicates to** : Metallofoldamers: Supramolecular Architectures from Helicates to Biomimetics (9780470973233): Galia Maayan, Markus Albrecht: Books.

Metallofoldamers. Supramolecular Architectures from Helicates to Topics covered include: the major classes of foldamers and their folding driving force. metalloproteins and metalloenzymes. helicates: self-assembly, structure and applications. abiotic metallo-DNA. metallo-PNA and iDNA. metallopeptides. interactions of biomimetic oligomers with metal ions. applications of **Supramolecular Architectures from Helicates to Biomimetics Galia** Dec 1, 2016 Metallofoldamers. Supramolecular Architectures from Helicates to Biomimetics. Edited by Galia Maayan and Markus Albrecht. on **Metalloproteins and Metallopeptides Natural Metallofoldamers** Oct 15, 2013 Besides synthetic helicates in the realm of supramolecular Chapter 11 rounds off this topic by looking at biomimetic metallofoldamers. **Design of Supramolecular Materials: Liquid-Crystalline Helicates Metallofoldamers: Supramolecular Architectures from Helicates to** Feb 4, 2013 Metallofoldamers: Supramolecular Architectures from Helicates to Biomimetics. Additional Information(Show All). How to CiteEditor **Metallofoldamers. Supramolecular Architectures from Helicates to** Metallofoldamers: From Helicates to Biomimetic Architectures describes the variety of interactions between oligomers and metal species, with a focus on **Metallofoldamers. Supramolecular Architectures from Helicates to** Feb 4, 2013 Metallofoldamers: Supramolecular Architectures from Helicates to Biomimetics. Additional Information(Show All). How to CiteEditor **supramolecular architectures from helicates to biomimetics - WorldCat** Jan 18, 2013 Metallofoldamers: From Helicates to Biomimetic Architectures describes the variety of interactions between oligomers and metal species, with a **Metallofoldamers: Supramolecular Architectures from Helicates to** Metallofoldamers: Supramolecular Architectures from Helicates to Biomimetics Metallofoldamers: From Helicates to Biomimetic Architectures describes the **Self-Assembly Principles of Helicates - Metallofoldamers** Feb 4, 2013 Metallofoldamers: Supramolecular Architectures from Helicates to Biomimetics. Additional Information(Show All). How to CiteEditor **supramolecular architectures from helicates to biomimetics in** Metallofoldamers [electronic resource] : supramolecular architectures from 81 References 81 3 Self-Assembly Principles of Helicates 91 Josef Hamacek 3.1 **Metallofoldamers: Supramolecular Architectures from Helicates to** Oct 15, 2013 Metallofoldamers. Supramolecular Architectures from Helicates to Biomimetics. Edited by Galia Maayan and Markus Albrecht. **Metallofoldamers: Supramolecular Architectures from Helicates to** Metallofoldamers: Supramolecular Architectures from Helicates to Biomimetics on ResearchGate, the professional network for scientists. **Metallofoldamers: Supramolecular Architectures from Helicates to** supramolecular chemistry, it covers metallo-DNA synthetic helicates, and begin with a very enjoyable in-depth off this topic by looking at biomimetic metallo-. **Metallofoldamers. Supramolecular Architectures from Helicates to** Supramolecular Architectures from Helicates to Biomimetics Galia Maayan, Markus has inspired the design and synthesis of metallofoldamers synthetic Metallofoldamers. Supramolecular Architectures from Helicates to Biomimetics. Herausgegeben von Galia Maayan und Markus Albrecht. on ResearchGate, the **Metallofoldamers. Supramolecular Architectures from Helicates to** Metallofoldamers: Supramolecular Architectures from Helicates to Biomimetics by Galia Maayan and Markus AlbrechtEnglish 2013 ISBN: 0470973234 462 **Metallofoldamers. Supramolecular Architectures from Helicates to** Metallofoldamers. Supramolecular Architectures from Helicates to Biomimetics. Edited By. GALIA MAAYAN. Schulich Faculty of Chemistry, Technion - Israel **Front Matter - Wiley Online Library** Metallofoldamers : supramolecular architectures from helicates to biomimetics. by Galia G Maayan M Albrecht. Print book : Document Computer File. English. **Metallofoldamers: Supramolecular Architectures from Helicates to** Feb 4, 2013 Metallofoldamers: Supramolecular Architectures from Helicates to Biomimetics. Additional Information(Show All). How to CiteEditor **Metallofoldamers: Supramolecular Architectures from Helicates to** Oct 31, 2014 Book Review. Metallofoldamers: Supramolecular Architectures from Helicates to Biomimetics Galia Maayan and Markus Albrecht (editors), **Metallofoldamers. Supramolecular Architectures from Helicates to** Feb 4, 2013 Metallofoldamers: Supramolecular Architectures from Helicates to Biomimetics. Editor(s): Galia Maayan, Markus Albrecht. Published Online: 4 **Helicates, Peptide-Helicates and Metal-Assisted Stabilization of** Metallofoldamers: Supramolecular Architectures from Helicates to Biomimetics Metallofoldamers: From Helicates to Biomimetic Architectures describes the