DESCRIPTION

This truly comprehensive treatise of foldamers, from synthesis to applications in bio-, material-, and nanoscience is at once an introduction to the topic, while providing in-depth accounts on various aspects clearly aimed at the specialist.

The book is clearly structured, with the first part concentrating on structure and foldamer design concepts, while the second part covers functional aspects from properties to applications. The international team of expert authors provides overviews of synthetic approaches as well as analytical techniques.

ABOUT THE AUTHOR

Stefan Hecht obtained his doctorate under the guidance of Prof. Jean M. J. Fréchet at the University of California. After becoming a research investigator at Berlin, he is now group leader at the Max-Planck-Institut für Kohlenforschung. He has been a fellow of the Studienstiftung des Deutschen Volkes and has received both the Sofja Kovalevskaja Award of the Alexander von Humboldt Foundation as well as the MIT Technology Review Top 100 Young Innovator Award.

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