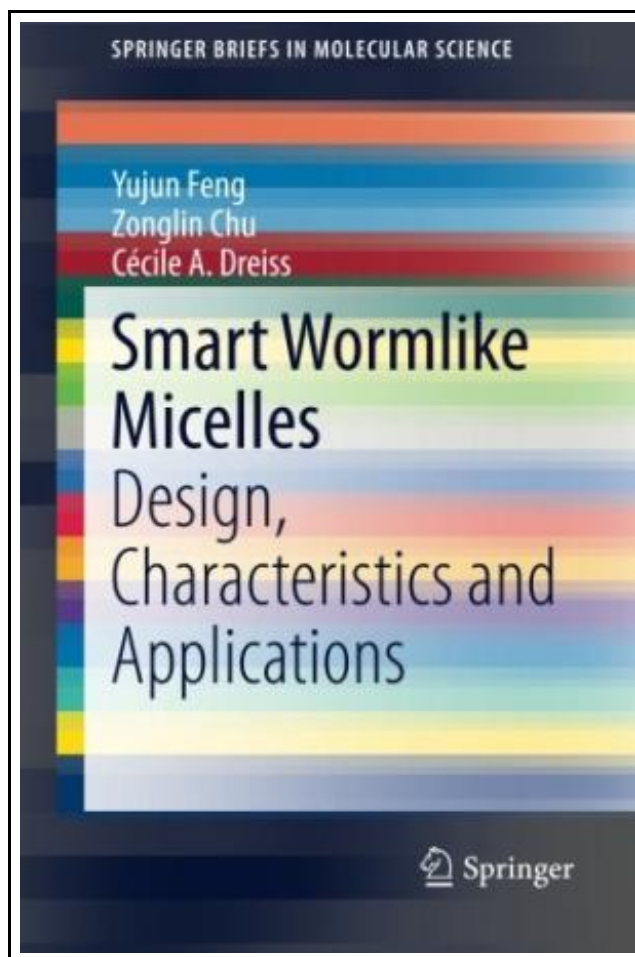


Smart Wormlike Micelles



Filesize: 4.91 MB

Reviews

Most of these ebook is the perfect publication offered. Sure, it really is play, still an interesting and amazing literature. You wont truly feel monotony at whenever you want of your time (that's what catalogs are for about in the event you check with me).

(Roosevelt Rohan)

SMART WORMLIKE MICELLES



To download **Smart Wormlike Micelles** PDF, make sure you follow the hyperlink beneath and save the ebook or gain access to additional information that are in conjunction with SMART WORMLIKE MICELLES ebook.

Springer-Verlag GmbH Feb 2015, 2015. Taschenbuch. Book Condition: Neu. 23.5x15.5x cm. Neuware - This Brief provides an up-to-date overview of smart surfactants and describes a broad spectrum of triggers that induce the formation of wormlike micelles or reversibly tune the morphology of surfactant aggregates from wormlike micelles to another state, or vice versa. Combining the fields of chemistry, physics, polymer science, and nanotechnology, its primary focus is on the design, formulation, and processing of intelligent viscoelastic surfactant solutions, covering the scientific principles governing responsiveness to one or more particular triggers, down to the end-use-driven functions. The first chapter explains why and how surfactants self-assemble into viscoelastic wormlike micellar solutions reminiscent of polymer solutions, while the following chapters show how the response to a given trigger translates into macroscopic rheological changes, including temperature, light, pH, CO₂, redox, hydrocarbon, etc. The last chapter demonstrates the applications of these viscoelastic assemblies in oil and gas production, drag reduction, biomaterials, cleaning processes, electrorheological and photorheological fluids. Comments and perspectives are provided at the end to conclude this Brief. This Brief is aimed at chemists, physicists, chemical engineers and nano-scientists who are involved in self-assemblies and applications of surfactants, as well as graduates in physical chemistry. Yujun Feng, Ph.D., is a professor at the State Key Laboratory of Polymer Materials Engineering, Polymer Research Institute of Sichuan University, Chengdu, Sichuan Province, P. R. China. Zonglin Chu, Ph.D., is a post-doctoral fellow working at the Physical Chemistry Institute, University of Zürich, Switzerland. Cécile A. Dreiss, Ph.D., is a senior lecturer at the Institute of Pharmaceutical Science, King's College London, UK. 91 pp. Englisch.



[Read Smart Wormlike Micelles Online](#)



[Download PDF Smart Wormlike Micelles](#)

Related eBooks



[PDF] Psychologisches Testverfahren

Access the link under to download and read "Psychologisches Testverfahren" PDF document.

[Read eBook »](#)



[PDF] The Java Tutorial (3rd Edition)

Access the link under to download and read "The Java Tutorial (3rd Edition)" PDF document.

[Read eBook »](#)



[PDF] Programming in D

Access the link under to download and read "Programming in D" PDF document.

[Read eBook »](#)



[PDF] Adobe Indesign CS/Cs2 Breakthroughs

Access the link under to download and read "Adobe Indesign CS/Cs2 Breakthroughs" PDF document.

[Read eBook »](#)



[PDF] Have You Locked the Castle Gate?

Access the link under to download and read "Have You Locked the Castle Gate?" PDF document.

[Read eBook »](#)



[PDF] Carrying the King s Pride (Paperback)

Access the link under to download and read "Carrying the King s Pride (Paperback)" PDF document.

[Read eBook »](#)