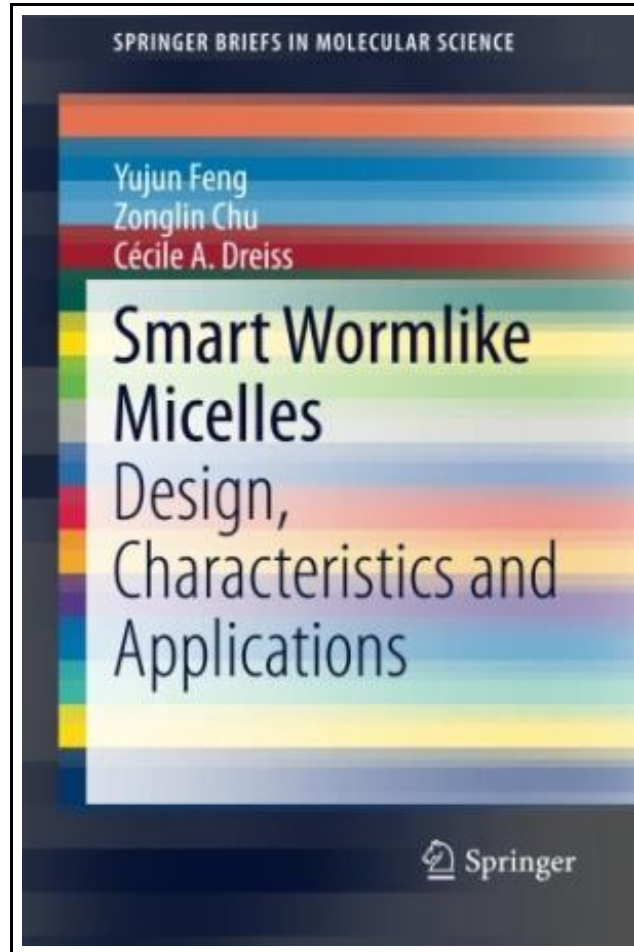


## Smart Wormlike Micelles



Filesize: 1.2 MB

### ***Reviews***

*This publication is wonderful. It can be rally fascinating throgh reading period of time. You are going to like the way the writer create this publication.*

*(Mrs. Piper Jacobi)*

## SMART WORMLIKE MICELLES

DOWNLOAD



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, CO<sub>2</sub>, 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](#)

## Other Books

---



### **Psychologisches Testverfahren**

Reference Series Books LLC Nov 2011, 2011. Taschenbuch. Book Condition: Neu. 249x191x7 mm. This item is printed on demand - Print on Demand Neuware - Quelle: Wikipedia. Seiten: 100. Kapitel: Myers-Briggs-Typindikator, Keirsey Temperament Sorter, DISG,...

[Download Book »](#)

---



### **The Java Tutorial (3rd Edition)**

Pearson Education, 2001. Softcover. Book Condition: Neu. Gebraucht - Sehr gut Unbenutzt. Schnelle Lieferung, Kartonverpackung. Abzugsfähige Rechnung. Bei Mehrfachbestellung werden die Versandkosten anteilig erstattet. - Praise for "The Java' Tutorial, Second Edition" includes: "This book...

[Download Book »](#)

---



### **Programming in D**

Ali Cehreli Dez 2015, 2015. Buch. Book Condition: Neu. 264x182x53 mm. This item is printed on demand - Print on Demand Neuware - The main aim of this book is to teach D to readers...

[Download Book »](#)

---



### **Adobe Indesign CS/Cs2 Breakthroughs**

Peachpit Press, 2005. Softcover. Book Condition: Neu. Gebraucht - Sehr gut Unbenutzt. Schnelle Lieferung, Kartonverpackung. Abzugsfähige Rechnung. Bei Mehrfachbestellung werden die Versandkosten anteilig erstattet. - Adobe InDesign is taking the publishing world by storm and...

[Download Book »](#)

---



### **Have You Locked the Castle Gate?**

Addison-Wesley Professional. Softcover. Book Condition: Neu. Gebraucht - Sehr gut Unbenutzt. Schnelle Lieferung, Kartonverpackung. Abzugsfähige Rechnung. Bei Mehrfachbestellung werden die Versandkosten anteilig erstattet. - Is your computer safe Could an intruder sneak in and steal...

[Download Book »](#)