

UNIVERSITÄT
DUISBURG
ESSEN

Offen im Denken



Wahlpflichtvorlesung im Masterstudiengang | SoSe 2019

Funktionale Supramolekulare Materialien

Jun.-Prof. Dr. Jens Voskuhl
Dr. Jochen Niemeyer
Jun.-Prof. Dr. Michael Giese

Vorlesungstermin

Jun.-Prof. Dr. Jens Voskuhl, Dr. Jochen Niemeyer, Jun.-Prof. Dr. Michael Giese

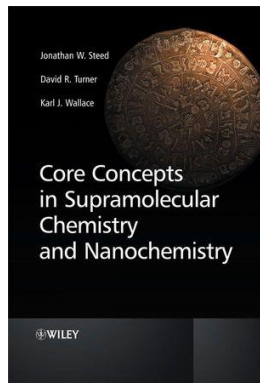
Dienstags 16.15 – 17.45 Uhr

Raum: T03 R03 D89

Prüfungsformat: Poster-Präsentation

Anmeldung über Liste ab Ende Juni

Textbooks



Core Concepts in Supramolecular Chemistry and Nanotechnology

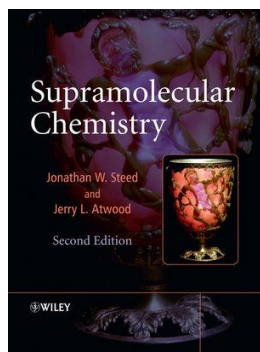
J. W. Steed, D. R. Turner, K. Wallace

ISBN: 978-0-470-85866-0

320 Seiten

Verlag: Wiley VCH

Preis: 44.40 €



Supramolecular Chemistry, 2nd Edition

Jonathan W. Steed, Jerry L. Atwood

ISBN: 978-0-470-51234-0

1002 Seiten

Verlag: Wiley VCH

Preis: 63.00 €



Reviews and key papers
provided as links in the handout

Analytical Methods in Supramolecular Chemistry

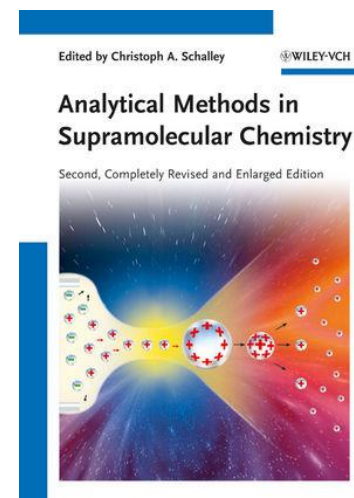
Christoph A. Schalley (Editor)

ISBN: 978-3-527-32982-3

844 Seiten

Verlag: Wiley VCH

Preis: 299.00 €



Topics

09.04.2019 **Fundamentals**

16.04.2019 **Fundamentals**

23.04.2019 **From Crown-ethers to Cryptands**

30.04.2019 **Capsules and Cages**

07.05.2019 **Interlocked Molecules**

14.05.2019 **Basics of Supramolecular Materials, Crystal Engineering**

21.05.2019 **Supramolecular Liquid Crystals**

28.05.2019 **Supramolecular Gels and Polymers**

04.06.2019 **entfällt**

11.06.2019 **Introduction to the field of biosupramolecular chemistry**

18.06.2019 **Drug delivery and artificial biological systems**

25.06.2019 **How to present a poster**

02.07.2019 **Recognition of enzymes and Proteins**

09.07.2019 **Prof. Dr. Bart Jan Ravoo / Dr. Marcel Inmestern + Postersession**

Supporting Materials available via website (www.gieselab.de)

The screenshot displays the homepage of the Giese Lab website. At the top, a navigation bar includes links for Prospective Students, Current Students, Ph.D. Students, Staff, Media, and International. The main header features the text 'Supramolecular Chemistry' and 'Prof. Dr. Carsten Schmuck' on the left, and the University of Duisburg-Essen logo and 'Offen im Denken' slogan on the right. A 'Home' button is visible below the header. On the left side, there is a vertical navigation menu with links: HOME, OUR GROUP, RESEARCH, TEACHING, SAFETY, WERDELMANN-FOUNDATION, CONTACT, AG GIESE, and AG NIEMEYER. The 'AG GIESE' section is expanded, showing sub-links: Home, Group, Research, Publications, Teaching (highlighted with a red box), and Contact. The main content area is titled 'Welcome to the Website of the Giese Lab' and features a large 'G' logo. Below the logo, a paragraph describes the Junior Research Group's affiliation and research focus. To the right, a box provides contact information for Jun.-Prof. Dr. Michael R. A. Giese, including his address, room, phone, and email. Further down, there are sections for 'Bachelor- and Master-theses 2017' and 'Prospective Students, PhD students and Post-Docs'. A 'News' section on the right mentions a selection for the 'Global Young Faculty V' in October 2017, accompanied by a logo and a brief description of the program.

UNIVERSITÄT DUISBURG ESSEN
Offen im Denken

Supramolecular Chemistry
Prof. Dr. Carsten Schmuck

Home

Studying at the UDE
APPLICATION & ENROLLMENT

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Welcome to the Website of the Giese Lab

The Junior Research Group is affiliated with the Institute of Organic Chemistry at the University of Duisburg-Essen and was started in June 2014. Our research field is the synthesis and analysis of supramolecular functional aggregates, especially those with liquid crystalline properties. A major goal is to utilize and control the molecular self-assembly of discotic aggregates and understand the underlying principles in detail in order to develop novel supramolecular liquid crystals for potential applications in optical and electronic devices such as organic solar cells or light-emitting diodes (OLEDs).

Bachelor- and Master-theses 2017

You are interested in supramolecular functional materials and liquid crystals? - Then contact [Michael Giese](mailto:Michael.Giese@uni-due.de) for more details on prospective Bachelor- and Master-projects or stop by in my office (room S07 S04 C25).

Prospective Students, PhD students and Post-Docs

We are looking for motivated students who are interested in supramolecular materials. Students interested in joining the group for their bachelor or master theses or for a research project (Vertiefungspraktikum) are encouraged to [apply](#).

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News:

October 10th 2017
Global Young Faculty V

global young faculty

Michael was selected as a member of the [Global Young Faculty V](#), which connects young researchers from Essen, Bochum and Dortmund.

www.gieselab.de

→ Teaching

Passwort: SupraMat18

