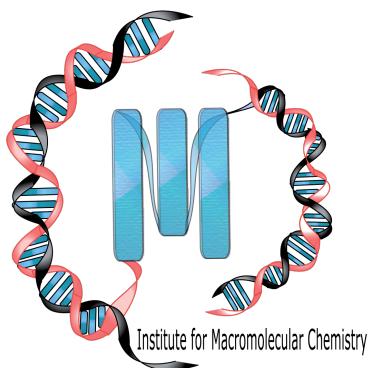


INSTITUT FÜR MAKROMOLEKULARE CHEMIE DER UNIVERSITÄT FREIBURG

Hermann – Staudinger – Haus



Bericht über die wissenschaftlichen Aktivitäten

2016

Stefan-Meier-Str. 31, 79104 Freiburg, Germany

**UNI
FREIBURG**

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DOLD, Martin	Elektrodenmaterialien aus thermisch reduziertem Graphitoxid und hydrothermal carbonisierten Biomaterialien sowie biobasierte Elektrolyte für den Einsatz in elektrischen Doppelschichtkondensatoren
GÖLDEN, Simon	Herstellung, Modifikation und Analyse sterisch stabilisierter, fluorierter Modellkolloide in wässriger Dispersion
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SCHWAB, Simon	Biobasierte und nanostrukturierte Gelpolymerelektrolyte und Leitsalze
STRAUB, Paula	Radikalfunktionalisierung von Graphen via Diels-Alder-Reaktion zur Anwendung als Energiespeicher
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TRAN, David	Variation des Seitenkettenverzweigungspunktes an alkylierten Dithienyldiketopyrrolopyrrolen

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22. SOMMER, M.
π-Conjugated materials made simple: C-H activation, graphene and mechanochromic sensors
Universität Jena, Makromolekulare Chemie, April 2016
23. SOMMER, M.
Versatile and multi-responsive materials based on spiropyran
FIT Workshop, Universität Freiburg, April 2016

24. SOMMER, M. Conjugated polymers made by step- and chain-growth polycondensation: defect analysis, structure formation and applications in organic electronic devices
SFB Treffen KIT Karlsruhe, Bad Herrenalb, September 2016
25. SOMMER, M. Conjugated polymers made simple: new syntheses, defect analysis, and high performance materials for applications in organic electronic devices
Preisvortrag Raimund Stadler GDCh Makro Tagung Halle, September 2016
26. SOMMER, M. Key parameters of conjugated polymers for organic electronic applications
SFB Halle Retreat Kolloquium, Sächsische Schweiz, September 2016
27. SOMMER, M. Conjugated materials made simple: C-H activation in material science
Science Day Merck, Universität Freiburg, Oktober 2016
28. SOMMER, M. Conjugated polymers made simple: C-H Activation in Material Science
Universität Göttingen, Organische Chemie, November 2016
29. SOMMER, M. Defective conjugated polymers: syntheses, main chain defect analyses and high performance materials
Materials Research Society MRS, Boston/USA, November 2016
30. SOMMER, M. Vom Reagenzglas zur organischen Solarzelle – Energiematerialien einfach gemacht
Preisvortrag Helmut Holzer Preis, Universität Freiburg, Dezember 2016
31. WERNER, M. Neutronscattering on colloidal particles
BURGER, S.
LINDNER, P.
BARTSCH, E.
Talk at 13th European Summer School on “Scattering Methods Applied To Soft Condensed Matter”, Bombannes, Juni 2016
32. WERNER, M. Investigation of the osmotic deswelling of polystyrene microgels by polymer addition
BURGER, S.
LINDNER, P.
BARTSCH, E.
6th SoMaS Summer School, Mittelwihr, Juli 2016
33. WERNER, M. Investigation of the osmotic deswelling of polystyrene microgels by polymer addition
BURGER, S.
LINDNER, P.
BARTSCH, E.
Tag der Forschung, Freiburg, Juli 2016

34. WERNER, M.
BURGER, S.
LINDNER, P.
BARTSCH, E.
Investigation of the osmotic deswelling of polystyrene
microgels by polymer addition
*Bunsen Discussion Meeting on Neutrons in
Chemistry, Bielefeld, Juli 2016*
35. WERNER, M.
BURGER, S.
LINDNER, P.
BARTSCH, E.
Investigation of the osmotic deswelling of polystyrene
microgels by polymer addition
*30th Conference of the European Colloidal and
Interface Society, Rom, September 2016*
36. WERNER, M.
BURGER, S.
LINDNER, P.
BARTSCH, E.
Investigation of the osmotic deswelling of polystyrene
microgels by polymer addition
*4th International Soft Matter Conference, Grenoble,
September 2016*
37. WERNER, M.
TAPPE, M.
WERNET, M.
BARTSCH, E.
Pegylated Perfluoroacrylates: A possible model
system for nano drug carriers
*IRTG Winter Workshop, Strasbourg/Freiburg,
November 2016*

VERANSTALTUNGEN

Makromolekulares Kolloquium Freiburg, Februar 2016 (circa 700 Teilnehmer)

Schulklasse vom Martin-Schongauer-Gymnasium Breisach, Dezember 2016 (20 Schüler*Innen)

PREISE UND AUSZEICHNUNGEN

SOMMER, Michael	Raimund Stadler Preis der GDCh 9/2016
SOMMER, Michael	Helmut Holzer Preis der Wissenschaftlichen Gesellschaft Freiburg 12/2016
SOMMER, Michael	Ruf an die Technische Universität Chemnitz 11/2016
WALTHER, Andreas	Ruf an die Universität Freiburg 11/2016

WISSENSCHAFTLICHE LEITUNG UND MITARBEITENDE DES INSTITUTS

DIREKTOREN PROF. DR. ROLF MÜLHAUPT
PROF. DR. V. PRASAD SHASTRI

DOZENTEN PROF. DR. ECKHARD BARTSCH
PROF. DR. DR. CHRISTIAN FRIEDRICH
PROF. DR. ANDREAS WALTHER

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WISSENSCHAFTLICHE MITARBEITER

DR. XINLONG FAN
DR. ALLINY FERREIRA NAVES
DR. RALF HANSELMANN
DR. RÉMI MERINDOL
DR. MICHAEL SOMMER
DR. RALF THOMANN

DOKTORAND*INNEN

AHRENS, Lucas	MATLOUBI, Maziar
BIELEFELD, Kris	MATHAIYAN, Nehrukumar
BURKARD, Jochen	NÜBLING, Fritz
BURK, Laura	PÖSSEL, Burkhardt
BLATTMANN, Hannes	RITTER, Benjamin S.
BLUMENTHAL, Nils	RUKEYAMU, Matztisidike
CHRISTENSEN, Jon	SAMADI, Mariam
DOLD, Martin	SAREM, Melika
GISIN, Joshua	SCHÄRTL, Nicole
GLIEM, Matthias	SCHLECHTENDAHL, Mark
GÖLDEN, Simon	SCHIMPF, Vitalij
HAMEURY, Sophie	SCHMIDT, Simon
HEES, Timo	SCHMIDT, Stanislaus
HEGE, Cordula	SCHNEIDER, Jochen
HEINEN, Laura	STARCK, Laurent
HEINY, Markus	SZWEDA, David
HERRERA, Laura Cecilia	TRÖTSCHLER, Tobias
HÖNDERS, Daniel	WANG, Qian
HUBER, Michael	WERNER, Marcel
JIAO, Dejin	WIEDMANN, Steffen
KASPER, Patrick	WOLF, Jürgen Daniel
KEMPE, Fabian	WYSS, Pradeep
KIESSLING, Andy	XIANG, Shengnan
KIRSCHVINK, Felix	YAO, Chunyan
LAMICHHANE, Surya	YOUNGHUN, Shin
LAZAR, Ion	ZHANG, Weihai
LESNICHII, Vasilii	ZHANG, Wenli
LOMBECK, Florian	ZHONG, Fan
LÖSCHER, Sebastian	ZOU, Yuming
LUDWANOWSKI, Simon	

**STUDIERENTE IM
MASTERSTUDIUM**

ASMACHER, Anne
ADAMCZAK, Desiree
BOZIC, Michael
DITASARI, Amanda Arvian
DONG, Zhibin
HECKEL, Jonas
KAISER, Jan
KOST, Jonas
KOZUR, Alexander
KUHLMANN, Jochen
KUNZ, Susanna
KUSHNIR, Dmytro
LUITZ, Manuel
MANGOLD, Mikel
MAX, Johannes
MAYER, Lucas
METZLER, Lukas
MÖNKEMEYER, Florian
MÜLLER, Thomas
NI, Qian
RIEHLE, Felix
SEHL, Elmar
SCHWARZ, Benjamin
STEGERER, Dominik
STOLZ, Benjamin
STRÄSEL, Karen
TRITSCHLER, Benedikt
WERNET, Melanie
XU, Liang
YANG, Yuan
ZHANG, Chen

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BACHELORSTUDIUM**

AUFFARTH, Sebastian
BUCHHEIT, Hannah
CANARD, Clément
GARCÍA LARA, Elena
HERBSTRITT, Sarah
HUBER, Patrick
LEONHARDT, Jens
LIENERT, Caroline
MOMM, Sarah Noemi
OSBILD, Sonja
PAFFRATH, Lukas
PFOHL, PATRIZIA
RUSITOVA, Dennis
SCHWAB, Simon
SHAH, Samveg
TAPPE, Moritz
TRITZ, Florian
VON SEGGERN, Nils Hendrik

G A S T V O R T R Ä G E

im Institut für Makromolekulare Chemie der Universität Freiburg im Breisgau

(im Rahmen des Gemeinsamen Seminars über makromolekulare und

physikalische Chemie und des IRTG: Soft Matter Science)

1. 13.01.16 PROF. DR. R. P. SIJBESMA
Eindhoven University of Technology, Netherlands
Mechanofunctional polymers: Luminescent probes and catalytic triggers
2. 27.01.16 PROF. DR. GEORGE FLOUDAS
University of Ioannina, Greece
Soft matter under hard confinement
3. 03.02.16 DR. SERGEY V. LYULIN
Russian Academy of Sciences St. Petersburg, Russia
Atomistically detailed simulations of polyimides
4. 10.02.16 DR. JENS ELGETI
Forschungszentrum Jülich, Germany
Growing and Active Materials
5. 14.03.16 PROF. DR. JAMES FORREST
University of Waterloo Ontario, Canada
The glass transition of polymers in confined geometries
6. 20.04.16 PROF. DR. ANDREAS JANSHOFF
University of Göttingen, Germany
Cell Mechanics: How the Plasma Membrane/Cortex Interface Withstands External Forces
7. 27.04.16 PROF. DR. CARSTEN DEIBEL
Technical University Chemnitz, Germany
Charge Generation and Recombination in Organic Solar Cells
8. 11.05.16 PROF. DR. HANS WERNER SCHMIDT
University of Bayreuth, Germany
Polymer Gradient Materials
9. 31.05.16 PROF. DR. MURUGAPPAN MUTHUKUMAR
University of Massachusetts, Ahmherst, USA
Macromolecular Translocation through Nanopores
10. 01.06.16 DR. CHAOQI MISBAH
CNRS and University J. Fourier, Grenoble, France
The Every-Day Life of Blood Cells: Swept Away by the Current or Swim
11. 07.06.16 DR. JÜRGEN HAUER
University of Vienna, Austria
Vibrational-Electronic Coherence in Light Harvesting
12. 08.06.16 PROF. DR. JAN LIPFERT
University of Munich, Germany
Studying micelles, membrane proteins, nucleic acids and molecular distances by small-angle X-ray scattering

13. 13.06.16 PROF. DR. MARTIN HEENEY
Imperial College London, United Kingdom
Design of Conjugated Polymers for Plastic Electronic Applications
14. 15.06.16 PROF. DR. THOMAS PALBERG
University of Mainz, Germany
To make a glass – avoid the crystal
15. 20.06.16 DR.-ING. MARKUS GALLEI
Technical University of Darmstadt, Germany
Stimuli-Responsive Block Copolymer and Colloidal Architecture
16. 22.06.16 PROF. DR. RUDI PODGORNIK
University of Ljubljana, Slovenia
Size-dependent forced PEG partitioning into channels
17. 29.06.16 PROF. DR. HELMUT SCHIESSEL
University of Leiden, Netherlands
The Mechanical Genome
18. 01.07.16 PROF. DR. ELIZABETH VON HAUFF
Department of Physics and Astronomy, VU Amsterdam, Netherlands
Good vibrations in organic semiconductors: combining impedance and Raman spectroscopy to study electrical transport in organic semiconductors
19. 02.11.16 DR. ALESSANDRO SEPE
A. Merkle Institute, University of Fribourg, Switzerland
Structural study of nanocomposite material using X-ray scattering
20. 10.11.16 PROF. DR. NILS G. WALTER
University of Michigan, Ann Arbor, USA
Single Molecules in Focus: From RNA Splicing to Silencing
21. 16.11.16 PROF. DR. JÖRG C. TILLER
University of Dortmund, Germany
Environmentally responsive and predictive shape memory polymers
22. 07.12.16 PROF. DR. ERWIN FREY
Ludwig-Maximilians-University Munich
New Paradigms in Pattern Formation
23. 14.12.16 DR. RICHARD HILDNER
University Bayreuth
Tailoring the Photophysics of Supramolecular Nanostructures
24. 21.12.16 PROF. DR. NICOLAS GIUSEPPONE
Integration of Molecular Machines in Active Polymer Networks