

Referenzen (Auszug):

## AppliChrom DMAc-Phil-P

### AppliChrom DMAc-Phil-P-300

Analyzing Thermoreversible Bonding and Debonding in Macromolecular Systems by Temperature-Dependent Size-Exclusion Chromatography By Josef Brandt, Johannes Lenz, Kai Pahnke, Friedrich Georg Schmidt, Christopher Barner-Kowollik, Albena Lederer Aug 01, 2018, LCGC Europe, Volume 31, Issue 8, pg 413–421

<http://www.chromatographyonline.com/analyzing-thermoreversible-bonding-and-debonding-macromolecular-systems-temperature-dependent-size-e?pagelD=3>

(Aufruf vom 23.10.2018)

Investigation of Thermoreversible Polymer Networks by Temperature Dependent Size Exclusion Chromatography

Josef Brandt, Johannes Lenz, Kai Pahnke, Friedrich Georg Schmidt, Christopher Barner-Kowollik, Albena Lederer 01 Sep 2017 *Polym. Chem.*, 2017, **8**, 6598-6605

<http://www.rsc.org/suppdata/c7/py/c7py01262d/c7py01262d1.pdf>

(Aufruf vom 23.10.2018)

Exploring the Influence of Entropy on Dynamic Macromolecular Ligation

Dissertation Dipl.Chem. Kai Pahnke, KIT-Fakultät für Chemie und Biowissenschaften des Karlsruher Instituts für Technologie (KIT), 22.07.2016

<https://d-nb.info/1108453082/34>

(Aufruf vom 23.10.2018)

A Mild, Efficient and Catalyst – Free Thermoreversible Ligation System Based on Dithiooxalates

Kai Pahnke, Naomi L. Haworth, Josef Brandt, Uwe Paulmann, Christian Richter, Friedrich G. Schmidt, Albena Lederer, Michelle L. Coote and Christopher Barner-Kowollik

<http://www.rsc.org/suppdata/c6/py/c6py00470a/c6py00470a1.pdf>

(Aufruf vom 23.10.2018)

## AppliChrom CatPhil-P

### AppliChrom CatPhil-P-100&350

Low-molecular-weight sulfonated chitosan as template for anticoagulant nanoparticles

Katja Heise, Mathias Hobisch, Liviu Sacarescu, Uros Maver, Josefine Hobisch, Tobias Reichelt, Marija Segar, Steffen Fischer, Stefan Spirk

International Journal of Nanomedicine 13:4881-4894 · August 2018

Dovepress, open access to scientific and medical research, 30 August 2018 Volume 2018:13 Pages 4881–4894 (zuletzt aufgerufen 11.10.2018), DOI <https://doi.org/10.2147/IJN.S172230>

<https://www.dovepress.com/low-molecular-weight-sulfonated-chitosan-as-template-for-anticoagulant-peer-reviewed-fulltext-article-IJN>

(Aufruf vom 23.10.2018)

Interaction of industrially relevant cationic starches with cellulose

Katrin Niegelhell, Angela Chemellic, Josefine Hobisch, Thomas Griessere, Heidemarie Reiterb, Ulrich Hirn, Stefan Spirk.

Carbohydrate Polymers, Volume 179, 1 January 2018, Pages 290-296

<https://www.sciencedirect.com/science/article/pii/S0144861717311499#!>

(Aufruf vom 23.10.2018)

Beyond Gene Transfection with Methacrylate-Based Polyplexes—The Influence of the Amino Substitution Pattern

Anne-Kristin Trützscher, Tanja Bus, Martin Reifarh, Johannes C. Brendel, Stephanie Hoepfener, Anja Traeger, and Ulrich S. Schubert

Bioconjugate Chem., 2018, 29 (7), pp 2181–2194, Publication Date (Web): May 1, 2018

<https://pubs.acs.org/doi/10.1021/acs.bioconjchem.8b00074>

(Aufruf vom 23.10.2018)

Absolute characteristics and conformation of cationic polymers by hydrodynamic approaches: Poly(AEMA-co-MAEMA-co-DMAEMA)<sub>stat</sub> copolymers

Igor Perevyazko, Anne-K. Trützscher, Alexander Gubarev, Elena Lebedeva, Anja Traeger, Nikolay Tsvetkov, Ulrich S. Schubert

European Polymer Journal, Volume 97, December 2017, Pages 347-355

<https://doi.org/10.1016/j.eurpolymj.2017.10.024>

(Aufruf vom 23.10.2018)

### **AppliChrom CatPhil-P-200&350**

Mission ImPOxable– Or the Unknown Utilization of Non-toxic Poly(2-oxazoline)s as Cryoprotectant and Surfactant at the Same Time

Meike N. Leiske, Anne-Kristin Trützscher, Sabine Arnoneit, Pelin Sungur, Stephanie Hoepfner, Marc Lehmann, Anja Traeger, Ulrich S. Schubert

Journal of Materials Chemistry B, 2017, 5, 9102-9113

<http://www.rsc.org/suppdata/c7/tb/c7tb02443f/c7tb02443f1.pdf>

(Aufruf vom 23.10.2018)

Synthesis and Complexation of Well-Defined Labeled Poly(N,N-dimethylaminoethyl methacrylate)s (PDMAEMA)

Mark Billing, Tobias Rudolph, Eric Täuscher, Rainer Beckert and Felix H. Schacher

*Polymers* **2015**, 7(12), 2478-2493; doi:[10.3390/polym7121526](https://doi.org/10.3390/polym7121526)

<https://www.mdpi.com/2073-4360/7/12/1526/htm>

(Aufruf vom 23.10.2018)

### **AppliChrom SugarSep-H**

#### **AppliChrom SugarSep-H**

Implementation of biological and chemical techniques to recover metals from copper-rich leach solutions  
Sabrina Hedrich, René Kermer, Tim Aubel, Mirko Martin, Axe ISchippers, D. BarrieJohnson, Eberhard Janneck

Hydrometallurgy Volume 179, August 2018, Pages 274-281

<https://www.sciencedirect.com/science/article/pii/S0304386X18302160>

(Aufruf vom 23.10.2018)

Dynamik des Intermediärmetabolismus während der anaeroben Fermentation (MODISTO)

LUH Projekt Teil 3

Mikrobiologie des anaeroben Intermediärmetabolismus

08.02.2017 Nadine Rüppel (zuletzt aufgerufen 11.10.2018)

<https://gcsc.uni-frankfurt.de/biogas-network.de/Modisto/private/vortraege/1.-statustreffen/luh-ifmb>

(Aufruf vom 23.10.2018)

### **AppliChrom DMSO-Phil-P**

#### **AppliChrom DMSO-Phil-P-100**

Dataset on the structural characterization of organosolv lignin obtained from ensiled Poaceae grass and load-dependent molecular weight changes during thermoplastic processing

Jörg Dörrstein, Ronja Scholz, Dominik Schwarz, Doris Schieder, Volker Sieber, Frank Walther, Cordt Zollfrank. ScienceDirect, Data in Brief Volume 17, April 2018, Pages 647-652

<https://www.sciencedirect.com/science/article/pii/S2352340918300635>

(Aufruf vom 23.10.2018)

#### **AppliChrom DMSO-Phil-P-250 &350**

Production of Bio-Phenols for Industrial Application: Scale-up of the Base-Catalyzed Depolymerization of

Lignin

Björn Rößiger, Robert Röver, Gerd Unkelbach, Daniela Pufky-Heinrich  
 Fraunhofer Center for Chemical-Biotechnological Processes (CBP), Leuna, Germany  
 Green and Sustainable Chemistry, Vol.07, No.03(2017), Article ID:78185,10 pages  
[http://file.scirp.org/Html/2-5500293\\_78185.htm](http://file.scirp.org/Html/2-5500293_78185.htm)  
 (Aufruf vom 23.10.2018)

### **AppliChrom DMSO-Phil-P-100&350&600**

Molecular characterization of acid-thinned wheat, potato and pea starches and correlation to gel properties  
 Marco Ulbrich , Ilka Wiesner, Eckhard Flöter  
 Starch, Volume67, Issue5-6, May 2015, Pages 424-437  
<https://onlinelibrary.wiley.com/doi/pdf/10.1002/star.201400233>  
 (Aufruf vom 23.10.2018)

### **AppliChrom SuperOH-P**

#### **AppliChrom SuperOH-P-250&350**

New approaches for the determination of dextran in the sugar production process  
 Karin Abraham, Eckard Flöter  
 Zuckerindustrie. Sugar industry· January 2018  
[https://www.researchgate.net/profile/Karin\\_Abraham/publication/324692050\\_New\\_approaches\\_for\\_the\\_determination\\_of\\_dextran\\_in\\_the\\_sugar\\_production\\_process\\_Neue\\_Ansatze\\_zur\\_Bestimmung\\_von\\_Dextran\\_bei\\_der\\_Zuckergewinnung/links/5b17f2f3aca272021ce9235d/New-approaches-for-the-determination-of-dextran-in-the-sugar-production-process-Neue-Ansaetze-zur-Bestimmung-von-Dextran-bei-der-Zuckergewinnung.pdf](https://www.researchgate.net/profile/Karin_Abraham/publication/324692050_New_approaches_for_the_determination_of_dextran_in_the_sugar_production_process_Neue_Ansatze_zur_Bestimmung_von_Dextran_bei_der_Zuckergewinnung/links/5b17f2f3aca272021ce9235d/New-approaches-for-the-determination-of-dextran-in-the-sugar-production-process-Neue-Ansaetze-zur-Bestimmung-von-Dextran-bei-der-Zuckergewinnung.pdf)  
 (Aufruf vom 23.10.2018)

### **AppliChrom OTU LipoMare**

#### **AppliChrom OTU LipoMare C18, 250x4.6mm:**

Enzymatic formation of styrene during wheat beer fermentation is dependent on pitching rate of cinnamic acid content, Katrin Juliane Schwarz, Lisa Inken Boitz, Frank-Jürgen Methner, J. Inst. Brew, 2012, 118, 280-284.  
[https://www.researchgate.net/publication/260743997\\_Enzymatic\\_formation\\_of\\_styrene\\_during\\_wheat\\_beer\\_fermentation\\_is\\_dependent\\_on\\_pitching\\_rate\\_and\\_cinnamic\\_acid\\_content](https://www.researchgate.net/publication/260743997_Enzymatic_formation_of_styrene_during_wheat_beer_fermentation_is_dependent_on_pitching_rate_and_cinnamic_acid_content)  
 (Aufruf vom 28.07.2016)

#### **AppliChrom OTU LipoMare C18, 250x3mm, HPLC von Neurotransmitter, Serotonin & Derivate:**

Exaggerated aggression and decreased anxiety in mice deficient in brain serotonin, V. Mosienko, B. Bert, D. Beis, S. Matthes, H. Fink, M. Bader, N. Alenia, Translational Psychiatry (2012), 2, e122; doi: 10.1038/tp.2012.44.  
<http://www.nature.com/tp/journal/v2/n5/full/tp201244a.html>  
 (Aufruf vom 28.07.2016)

#### **AppliChrom OTU LipoMare C18, 250x4.6mm:**

Use of antibody gene library for the isolation of specific single chain antibodies by ampicillin-antigen conjugates, Maina Neumann-Schaal, Katrin Messerschmidt, Nicole Grenz, Katja Heimann, Immunology Letters151 (2013) 39-43.  
<http://www.doc88.com/p-7408223754010.html>  
 (Aufruf vom 28.07.2016)

#### **AppliChrom OTU LipoMareC18, 250x3mm, HPLC von Neurotransmitter, Serotonin & Derivate:**

Measurement of plasma, serum and platelet serotonin in individuals with high bone mass and mutations in LRP5, Grace S Lee, Christine Simpson, Ben-Hua Sun, Chen Yao, Dinah Foer, Becky Sullivan, Susann Matthes, Natalia Alenia, Joseph Belsky, Michael Bader, Karl L Insogna, J. Bone Miner. Res. 2014, Apr. 29(4) 976-981.  
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3935983/>  
 (Aufruf vom 28.07.2016)

**AppliChrom OTU LipoMare C18, 3 $\mu$ , 150x4.6mm:**

Staphylococcus aureus Alpha-Toxin Mediates General and Cell Type-Specific Changes in Metabolite Concentrations of Immortalized Human Airway Epithelial Cells, Philipp Gierok, Manuela Harms, Erik Richter, Jan-Peter Hildebrand, Michael Lalk, Jörg Mostertz, Falko Hochgräfe, PLoS ONE, April 2014, Vol 9, Iss. 4, e94818, Seite 1-11.

[https://www.researchgate.net/publication/261736877\\_Staphylococcus\\_aureus\\_Alpha-Toxin\\_Mediates\\_General\\_and\\_Cell\\_Type-Specific\\_Changes\\_in\\_Metabolite\\_Concentrations\\_of\\_Immortalized\\_Human\\_Airway\\_Epithelial\\_Cells](https://www.researchgate.net/publication/261736877_Staphylococcus_aureus_Alpha-Toxin_Mediates_General_and_Cell_Type-Specific_Changes_in_Metabolite_Concentrations_of_Immortalized_Human_Airway_Epithelial_Cells)  
(Aufruf vom 28.07.2016)

**AppliChrom OTU LipoMare C18, 105Å, 5 $\mu$ m, 250x4,6mm:**

Internalization of Near-Infrared Fluorescently Labeled Activatable Cell-Penetrating Peptide and of Proteins into Human Fibrosarcoma Cell Line HT-1080

Felista Tansi, Eric Kallweit, Christoph Kaether, Katarina Kappe, Christina Schumann, Ingrid Hilger and Siegmund Reissmann, Journal of Cellular Biochemistry 116(7), December 2014.

[https://www.researchgate.net/publication/270006164\\_Internalization\\_of\\_Near-Infrared\\_Fluorescently\\_Labeled\\_Activatable\\_Cell-Penetrating\\_Peptide\\_and\\_of\\_Proteins\\_into\\_Human\\_Fibrosarcoma\\_Cell\\_Line\\_HT-1080](https://www.researchgate.net/publication/270006164_Internalization_of_Near-Infrared_Fluorescently_Labeled_Activatable_Cell-Penetrating_Peptide_and_of_Proteins_into_Human_Fibrosarcoma_Cell_Line_HT-1080)

(Aufruf vom 28.07.2016)

**AppliChrom OTU LipoMareC18, 105Å, 5 $\mu$ , 250x.4.6mm, HPLC von Alloferon-I, :**

Expression, isolation and purification of the antiviral peptide Alloferon-1, Volker Klix, Marian Beshara, Maonier Tadros.

[http://www.invivo.de/wordpress/wp-content/uploads/2013/10/ILBC\\_expression.pdf](http://www.invivo.de/wordpress/wp-content/uploads/2013/10/ILBC_expression.pdf)

(Aufruf vom 28.07.2016)

**AppliChrom OTU LipoMare C18, 105Å, 3,5 $\mu$ , 150x4,6mm:**

Dissertation Michael Kohlstedt, Juli 2014, Universität Saarbrücken.

A Multi-omics Perspective on Osmo adaptation and Osmoprotection in Bacillus subtilis

[http://scidok.sulb.uni-saarland.de/volltexte/2014/5867/pdf/kohlstedt\\_2014.pdf](http://scidok.sulb.uni-saarland.de/volltexte/2014/5867/pdf/kohlstedt_2014.pdf)

(Aufruf vom 28.07.2016)

**AppliChrom OTU TriKala C18:**

Dissertation Dipl.-Biol. Claudia Reinel, Oktober 2015, Humboldt-Universität zu Berlin

Multidisziplinäre Untersuchung dopaminergere Mechanismen der repetitiven Störungen anhand von zwei Rattenmodellen dopaminergere Dysregulation

<http://edoc.hu-berlin.de/dissertationen/reinel-claudia-2015-10-15/PDF/reinel.pdf>

(Aufruf vom 28.07.2016)

**AppliChrom DiO HILIC, 250mmx4,6mm:**

Dissertation Janine Jennifer Richter, Januar 2014, Technische Universität Berlin:

Nichtenzymatische Bräunung von Pektin und Oligogalacturonsäuren im Modell und im Apfelsaft.

[https://depositonce.tu-berlin.de/bitstream/11303/4250/2/richter\\_janine\\_jennifer.pdf](https://depositonce.tu-berlin.de/bitstream/11303/4250/2/richter_janine_jennifer.pdf)

(Aufruf vom 28.07.2016)

**AppliChrom ABOA DMAc-Phil:**

Electronic Supplementary Information:

A Mild, Efficient and Catalyst – Free Thermoreversible Ligation System Based on Dithiooxalates

Electronic Kai Pahnke, Naomi L. Haworth, Josef Brandt, Uwe Paulmann, Christian Richter, Friedrich G. Schmidt, Albena Lederer, Michelle L. Coote and Christopher Barner-Kowollik.

Supplementary Material (ESI) for Polymer Chemistry. The Royal Society of Chemistry 2016

<http://www.rsc.org/suppdata/c6/py/c6py00470a/c6py00470a1.pdf>

(Aufruf vom 28.07.2016)

**GPC/SEC Polyelektrolyte und Polykationen mit AppliChrom ABOA CatPhil Serie:**

Synthesis and Complexation of Well-Defined Labeled Poly(N,N-dimehtylaminoethyl methacrylate)s (PDMAEMA), Mark Billing, Tobias Rudolph, Eric Täuscher, Rainer Beckert, Felix Schacher, *Polymers*, 2015, 7, 2478-2493.

<http://www.mdpi.com/2073-4360/7/12/1526/pdf>

(Aufruf vom 28.07.2016)

**Artikel:**

Polymere Multitalente

Märkische Allgemeine, veröffentlicht 14.03.2013.

<http://www.maz-online.de/Lokales/Oberhavel/Polymere-Multitalente>

(Aufruf vom 28.07.2016)

**Vortrag:**

Innovative Chromatographiematerialien für die Kunststoff / Biokunststoffanalytik, Dr. Christian Dauwe, AppliChrom, Application & Chromatography, 14. Schwarzheider Kunststoffkolloquium, 16-17. September 2014, Schwarzheide

[http://www.iap.fraunhofer.de/content/dam/iap/de/documents/Veranstaltungen/2014/Flyer\\_SKK\\_2014\\_web.pdf](http://www.iap.fraunhofer.de/content/dam/iap/de/documents/Veranstaltungen/2014/Flyer_SKK_2014_web.pdf)

(Aufruf vom 28.07.2016)