

Univ.-Prof. Dr. Oliver Brüggemann

Patents, Proceedings, Papers & Book Chapters, Lectures, Posters

Co-Author of chemical encyclopedia RÖMPP-Online, area: macromolecular chemistry

(<http://www.thieme-chemistry.com/de/formate/encyclopedias/roempp/format/herausgeber/autoren.html>)

Patents

5. Austrian Patent Application: A 50246/2012

Stabilisator für Polyolefine sowie Verfahren zur Herstellung eines solchen Stabilisators

Applicant: KE-KELIT Kunststoffwerk Gesellschaft m.b.H, Inventors: Beer, Stephan; Teasdale, Ian; Brüggemann, Oliver; Rametsteiner, Karl

Application date: 25 June 2012

4. WO2012119615

SILSESQUIOXANE POLYMERS

Applicant: Johannes Kepler Universität Linz, Inventors: Teasdale, Ian; Praus, Antonia; Nischang, Ivo; Brüggemann, Oliver

Publication date: 13 September 2012

3. WO2012031609

BIODEGRADABLE, WATER SOLUBLE AND PH RESPONSIVE POLY(ORGANO)PHOSPHAZENES

Applicant: Johannes Kepler Universität Linz, Inventors: Teasdale, Ian; Wilfert, Sandra; Nischang, Ivo; Brüggemann, Oliver

Publication date: 15 March 2012

2. WO2008034764

Cosmetic preparations based on molecularly imprinted polymers

(Kosmetische Zubereitungen auf Basis molekular geprägter Polymere)

Applicants: BASF SE; Wendel, Volker; Brüggemann, Oliver; Ptock, Arne

Publication date: 27 March 2008

1. WO2007082802

Agrochemical formulations based on molecularly imprinted acrylates

(Agrochemische Formulierungen auf Basis molekular geprägter Acrylate)

Applicants: BASF AG; Brüggemann, Oliver; Braig, Volker; Pfeiffer, Thomas; Bratz, Matthias; Volkmann, Aleksandra; Taranta, Claude

Publication date: 26 July 2007

Proceedings

3. List, M.; Paulik C., Major, Z.; Teasdale, I.; Brüggemann O., (Eds.)

**Advances in Polymer Science and Technology 3
Proceedings of a Conference on Polymer Science**

September 9 – September 10, 2013

(ISBN: 978-3-99033-195-8)

2. Brüggemann O., Schwarzingler C., Paulik C., Gahleitner M., Schwarzingler, B.
(Eds.)

**Advances in Polymer Science and Technology 2
Proceedings of a Conference on Polymer Science**

September 28 – September 30, 2011

(ISBN: 978-3-85499-907-2)

1. Brüggemann O., Schwarzingler C., Paulik C. (Eds.)

**Advances in Polymer Science and Technology 1
Proceedings of a Conference on Polyolefins and Polymelamins**

July 8 – July 10, 2009

(ISBN: 978-3-85499-632-3)

Papers & Book Chapters

46. Fürst, W.; Brüggemann, O.

Tailoring molecularly imprinted polymers to be applied as novel carriers in supported ionic liquid phase catalysis (MIPSILP)

React. Funct. Polym., manuscript in preparation, for submission in 2013

45. Fürst, W.; Schneider, M.; Haumann, M.; Brüggemann, O.

Polymers molecularly imprinted with ionic liquids as novel carrier systems for supported ionic liquid phase catalysis (MIPSILP)

Appl. Catal., A, manuscript finalised, for submission in September 2013

44. Wilfert, S.; Iturmendi, A.; Schöfberger, W.; Kryeziu, K.; Heffeter, P.; Berger, W.; Brüggemann, O.; Teasdale, I.

Water-soluble polymers with a biodegradable polyphosphazene backbone: synthesis, degradation behavior and biocompatibility studies

Journal of Polymer Science – Polymer Chemistry, submitted August 2013

43. Cheng, C.; Teasdale, I.; Brüggemann, O.

Stimuli-responsive capsules prepared from regenerated silk fibroin microspheres

Soft Matter, submitted July 2013

42. Beer, S.; Teasdale, I.; Brüggemann, O.

Immobilization of antioxidants via ADMET polymerization for enhanced long-term stabilization of polyolefins

Eur. Polym. J., submitted July 2013

41. Unterweger, C.; Brüggemann, O.; Fürst, C.
Synthetic fibers and their thermoplastic composites: Properties and characterization
Polym. Compos., accepted 2013
40. Wilfert, S.; Iturmendi, A.; Henke, H.; Brüggemann, O.; Teasdale, I.
Thermoresponsive polyphosphazene-based molecular brushes by living cationic polymerization
Macromol. Symp., accepted 2013
39. Henke, H.; Wilfert, S.; Iturmendi, A.; Brüggemann, O.; Teasdale, I.
Branched polyphosphazenes with controlled dimensions
J. Polym. Sci., Part A: Polym. Chem., published online: 29 July 2013:
DOI: 10.1002/pola.26865
38. Brüggemann, O.; Fürst, W.
Molecular monolayers, thin films and membranes
Chapter in Molecular Imprinting: Principles and Applications of Micro- and Nano-structured Polymers, Pan Stanford Publishing Pte. Ltd., edited by Prof. Dr. Lei Ye, (2013) ISBN 978-9814310994
37. Teasdale, I.; Brüggemann, O.
Polyphosphazenes: Multifunctional, Biodegradable Vehicles for Drug and Gene Delivery
Polymers 5,1 (2013) 161-187
36. Sobczak, L.; Welser R.; Brüggemann, O.; Haider, A.
Polypropylene (PP)-based wood polymer composites: Performance of five commercial maleic anhydride grafted PP coupling agents
J. Thermoplast. Compos., doi: 10.1177/0892705712447806
35. Sobczak, L.; Brüggemann, O.; Putz, R.F.
Polyolefin Composites with Natural Fibers and Wood-Modification of the Fiber/Filler–Matrix Interaction
J. Appl. Polym. Sci., 127, 1, (2013) 1-17
34. Teasdale, I.P.; Waser, M.; Wilfert, S.; Falk, H.; Brüggemann, O.
Photoreactive, water-soluble conjugates of hypericin with polyphosphazenes
Monatsh. Chem., 143, 3 (2012) 355-360
33. Dorner, F., Berger, D., Müller, U., Brüggemann, O., Panzer, U.
Rapid determination of formaldehyde emission potentials of binders for the woodworking industry
Eur. J. Wood Prod., 70 (2012) 299-306
32. Dorner, F.; Zuckerstätter, G.; Müller, U.; Brüggemann, O.; Schwarzinger, C.; Panzer, U.
Rapid melamine-formaldehyde resin characterization by means of quantitative ¹³C NMR with polarization transfer
Int. J. Polym. Anal. Charact., 16 (2011) 177–186
31. Nischang, I.; Brüggemann O.; Teasdale, I.

Facile, single-step preparation of versatile, high-surface-area, hierarchically structured hybrid materials

Angew. Chem. Int. Ed., 50, 20 (2011) 4592–4596

30. Nischang, I.; Teasdale, I.; Brüggemann O.

Porous polymer monoliths for small molecule separations: Advancements and Limitations

Anal. Bioanal. Chem., 400, 8 (2011) 2289-2304

29. Teasdale, I.P.; Wilfert, S.; Nischang, I.; Brüggemann, O.

Multifunctional and biodegradable polyphosphazenes for use as macromolecular anti-cancer drug carriers

Polymer Chemistry, 2 (2011) 828-834

28. Nischang, I.; Teasdale, I.; Brüggemann O.

Towards porous polymer monoliths for the efficient, retention-independent performance in the isocratic separation of small molecules by means of nano-liquid chromatography

J. Chromatogr. A, 1217 (2010) 7514–7522

27. Nischang, I.; Brüggemann O.

On the separation of small molecules by means of nano-liquid chromatography with methacrylate-based macroporous polymer monoliths

J. Chromatogr., 1217, 33 (2010) 5389-5397

26. Nischang, I.; Brüggemann O.; Svec, F.

Advances in the preparation of porous polymer monoliths in capillaries and microfluidic chips with a focus on morphological aspects

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25. Brüggemann O., Busch M., Wolf D.

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Catalysis of an ester hydrolysis applying molecularly imprinted polymer shells based on an immobilised chiral template

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Molecularly imprinted catalytically active membranes

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Catalysis of a Diels-Alder cycloaddition with differently fabricated molecularly imprinted polymers

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21. Brüggemann, O.

Capillary Electrophoresis

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20. El-Toufaily, F.-A.; Visnjevski, A.; Brüggemann, O.

Screening combinatorial libraries of molecularly imprinted polymer films casted on membranes in single-use membrane modules

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Catalyzing a cycloaddition with molecularly imprinted polymers obtained via immobilized templates

Appl. Catal. A:Gen, 260 (2004) 169-174

18. Brüggemann, O.; Visnjevski, A.; Burch, R.; Patel, P.

Selective extraction of antioxidants with molecularly imprinted polymers

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Colorful Cocktails (Highlights of the recent literature - Editors' Choice; see publication 17)

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17. Wormuth, K.; Brüggemann, O.; Strey, R.
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Langmuir, 18, 16 (2002) 5989 -5994
16. Wormuth, K.; Herzhoff, M.; Brüggemann, O.
Polymerization of brightly colored emulsions in a glycerol suspension medium
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Chapter 7 in "Synthetic Polymers for Biotechnology and Medicine", Landes Bioscience, edited by Prof. Dr. R. Freitag, 2002 (ISBN: 1-58706-027-2)
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J. Agric. Food Chem., 49, 5 (2001) 2105-2114
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Chemie Ingenieur Technik, 73, 4 (2001) 373-377
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Catalytically active polymers obtained by molecular imprinting and their application in chemical reaction engineering
Biomol. Engin., 18, 1 (2001) 1-7
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New Configurations and Applications of Molecularly Imprinted Polymers
J. Chromatogr. A, 889 (2000) 15-24
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Selective Recognition and Separation of β -Lactam Antibiotics Using Molecularly Imprinted Polymers
Anal. Commun., 36 (1999) 327-331

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Bernard, Griffiths, Noe, Wurm (eds): Animal Cell Technology - Products from Cells, Cells as Products, Kluwer Acad. Publishers (1999) pp. 455-458

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Comparison of polymer coatings of capillaries for capillary electrophoresis with respect to their applicability to molecular imprinting and electrochromatography

J. Chromatogr. A, 781 (1997) 43-53

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J. Chromatogr. A, 744 (1996) 167-176

2. Brüggemann, O.; Freitag, R.

Determination of polycyclic aromatic hydrocarbons in soil samples by micellar electrokinetic capillary chromatography with photodiode array detection
J. Chromatogr. A, 717 (1995) 309-324

1. Ziele, D.; Brüggemann, O.; Döring, M.; Schügerl, K.; Freitag, R.

Adaption of a microdrop injector to sampling in capillary electrophoresis
J. Chromatogr. A, 669 (1994) 254

Lectures

Teasdale, I.; Wilfert, S.; Henke, H.; Bornschlegel, A.; Iturmendi, A.; Prambauer, M.; Brüggemann, O.

Controlling the size, functionality, structure and biodegradability of polyphosphazenes

Advances in Polymer Science and Technology 3 (APST 3) – Linz, Austria – 9-10 September 2013

Fürst, W.; Brüggemann, O.

Supported ionic liquid phase catalysis based on molecularly imprinted polymers as carriers (MIPSILP)

European Polymer Congress (EPF 2013) – Pisa, Italy – 16-21 June 2013

Wilfert, S.; Iturmendi, A.; Brüggemann, O.; Teasdale, I.;

Water-soluble graft poly(organophosphazenes) with pH-assisted degradation behaviour

European Polymer Congress (EPF 2013) – Pisa, Italy – 16-21 June 2013

Beer, S.; Brüggemann, O.

Synthesis of novel polymer-bound antioxidants via ADMET polymerization

3rd Austrian-Slovenian Polymer Meeting APSM 2013 – Bled, Slovenia – 3-5 April 2013

Teasdale, I.; Wilfert, S.; Annerl, R.; Brüggemann, O.

Polyphosphazenes: Biodegradable Alternatives for Polymer Therapeutics

12th Annual UNESCO/IUPAC Workshop and Conference on Macromolecules & Materials – Stellenbosch, South-Africa – 24-28 March 2013

Fürst, W.; Brüggemann, O.

Ionic liquid imprinted polymers as catalyst carriers in supported ionic liquid phase (MIPSILP) catalysis of hydroformylation, metathesis, isomerisation and other types of reactions

MIP2012 – Paris, France – 27-30 August 2012

Teasdale, I.; Wilfert, S.; Waser, M.; Falk, H.; Brüggemann, O.

Conjugates of hypericin with biodegradable polyphosphazenes

Polymers in Medicine 2012 – Prague, Czech Republik – 1-5 July 2012

Fürst, W.; Brüggemann, O.

Polymers molecularly imprinted with ionic liquids as novel carrier systems for supported ionic liquid phase catalysis

IUPAC World Polymer Congress - MACRO 2012 – Blacksburg, VA, USA – 24-29 June 2012

Beer, S.; Teasdale, I.; Brüggemann, O.

Polymer-bound antioxidants via ADMET-polymerization of functionalized, renewable monomers

IUPAC World Polymer Congress - MACRO 2012 – Blacksburg, VA, USA – 24-29 June 2012

Nischang, I.; Brüggemann, O.

Impact of morphology and gel porosity on the performance of porous polymer monoliths

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Brüggemann, O.; Wilfert, S.; Teasdale, I.

pH-sensitive Polyphosphazene-Drug-Conjugates for Cancer Therapies

BIT's 1st Annual World Congress of Advanced Materials - WCAM-2012 – Beijing, China – 6-8 June 2012

Nischang, I.; Brüggemann, O.

Key elements determining the performance of porous polymer monoliths

12th International Symposium on Hyphenated Techniques in Chromatography and Hyphenated Chromatographic Analyzers - HTC-12 – Bruges, Belgium – 31 January - 3 February 2012

Brüggemann, O.

Unsichtbare Helfer im Alltag von Menschen

Kepler Salon – Linz, Austria – 12 December 2011

Fürst, W.; Brüggemann, O.

Novel Aqueous Preparation Methods for Highly Selective Ionic Liquid Imprinted Polymers for Supported Ionic Liquid Phase Catalysis

Advances in Polymer Science and Technology 2 – Linz, Austria – 28-30 September 2011

Teasdale, I.; Wilfert, S.; Brüggemann, O.

Biodegradable Polyphosphazenes and their Potential Use in Macromolecular Drug Delivery Applications

Advances in Polymer Science and Technology 2 – Linz, Austria – 28-30 September 2011

Fürst, W.; Brüggemann, O.

Novel Aqueous Preparation Methods for Highly Selective Ionic Liquid Imprinted Polymers for Supported Ionic Liquid Phase Catalysis

Austrian Chemistry Days – Linz, Austria – 26-29 September 2011

Teasdale, I.; Wilfert, S.; Brüggemann, O.

Polyphosphazenes as Macromolecular Drug Carriers

Austrian Chemistry Days – Linz, Austria – 26-29 September 2011

Wilfert, S.; Teasdale, I.; Nischang, I.; Brüggemann, O.

Multi-armed, biodegradable polyphosphazenes and their use as macromolecular anti-cancer drug carriers

European Polymer Congress (EPF 2011) – Granada, Spain – 26 June - 1 July 2011

Nischang, I.; Teasdale, I.; Brüggemann, O.

Porous polymer monoliths for small molecule separations: advancements and limitations

36th International Symposium on High-Performance Liquid Phase Separations and Related Techniques 2011 (HPLC 2011) – Budapest, Hungary – 19-23 June 2011

Nischang, I.; Brüggemann, O.

On the porous and hydrodynamic properties of polymer monoliths derived from methacrylic and styrenic precursors

35th International Symposium on Capillary Chromatography (ISCC 2011) – San Diego, CA, USA – 1-5 May 2011

Brüggemann, O.

Bioabbaubare verzweigte Polyphosphazene und andere funktionale Polymere für Drug-Delivery- und Controlled-Release-Anwendungen

TU Clausthal – Clausthal-Zellerfeld, Germany – 13 January 2011

Brüggemann, O.

Neue Kunststoffe für die Medizintechnik

F&E-Tag Medizintechnik – Linz, Austria – 2 December 2010

Nischang, I.; Teasdale, I.; Brüggemann, O.

Macroporous Polymer Monoliths for Small and Large Molecule Separations: Advances and Limitations.

12th International meeting and workshop of the Society for Biochromatography and Nanoseparations (SBCN 2010) – Lyon, France – 20 October 2010

Brüggemann, O.

Polymere und Kunststoffe – Beiträge zur Lebensqualität im 21. Jahrhundert

Vortragsreihe Wissensturm – Linz, Austria – 18 October 2010

Teasdale, I.; Wilfert, S.; Brüggemann, O.

Synthesis of biodegradable branched polyphosphazenes via living cationic polymerization and their application as macromolecular carriers for the tumor-targeted delivery of anti-cancer drugs

ISBP 2010 - International Symposium on Biopolymers – Stuttgart, Germany – 7 October 2010

Nischang, I.; Teasdale, I.; Brüggemann, O.

Molded macroporous copolymer networks: The importance of polymer structure for flow-through applications

14th International Conference on Polymeric Materials 2010 (P.2010) – Halle, Germany – 16 September 2010

Teasdale, I.; Wilfert, S.; Nischang, I.; Brüggemann, O.

Well-defined, multi-functional and biodegradable polyphosphazenes as macromolecular carriers for the tumor-targeted delivery of anti-cancer drugs

ASPM 2010, 10th Austrian Polymer Meeting and 2nd Joint Austrian-Slovenian Polymer Meeting 2010 – Leoben, Austria – 8 September 2010

Brüggemann, O.; Fürst, W.; Volk, T.; Wilfert, S.; Teasdale, I.

Aktuelle Forschungsprojekte am Institut für Chemie der Polymere

Upper Austrian Polymer Technology – Linz, Austria – 16 June 2010

Brüggemann, O.; Fürst, W.; Volk, T.; Wilfert, S.; Teasdale, I.

New functional materials based on polyphosphazenes and molecularly imprinted polymers

i-PolyMat 2010 – Rolduc Abbey, Kerkrade, The Netherlands – 18 May 2010

Brüggemann, O.

Biopolymere – Brücke zwischen Natur und Kunststoff

TIM Expertentag – Biokunststoffe – Wels, Austria – 25 March 2010

Brüggemann, O.; Wilfert, S.; Teasdale, I.

Genauere Medikamentendosierung mit Polymeren - Bioabbaubare

Polyphosphazene als maßgeschneiderte Wirkstoffträger

Treffpunkt Wissenschaft - ORF – Linz, Austria – 17 March 2010

Brüggemann, O.

**Zukunftstrends auf dem Gebiet Kunststoff an der Schnittstelle Wissenschaft –
Wirtschaft**

Branchenforschungstag – Bra.In Day – Linz, Austria – 16 November 2009

Brüggemann, O.

**Neue funktionale Materialien auf Basis von Polyphosphazenen und molekular
geprägten Polymeren**

Universität Wien – Wien, Austria – 22 October 2009

Brüggemann, O.

**Neue funktionale Materialien auf Basis von Polyphosphazenen und molekular
geprägten Polymeren**

TU Darmstadt – Darmstadt, Germany – 16 June 2009

Brüggemann, O.; Volk, T.

Molecular Imprinting and Controlled Release

BASF SE – Ludwigshafen, Germany – 15 May 2009

Brüggemann, O.

Beruf Chemiker und das Chemiestudium

Tag der Studien- und Berufsorientierung, Gymnasium Oedeme – Lüneburg,
Germany – 28 November 2008

Brüggemann, O.

Kunststoff - Hightechwerkstoff mit Zukunft

Lehertage TIZ Kirchdorf – Schlierbach, Austria – 19 November 2008

Brüggemann, O.; Volk, T.

Controlled Release of Active Substances from Molecularly Imprinted Polymers

BASF Construction Polymers GmbH – Trostberg, Germany – 27 October 2008

Brüggemann, O.

Controlled Release with Functional Polymers

MIP2008 – Kobe, Japan – 7-11 September 2008

Brüggemann, O.

**Technische und funktionale Polymere – Zwei bedeutende und zugleich
unterschiedliche Bereiche der Kunststoffwelt**

Industrie-Forum „Forschung & Entwicklung“ – „Kunststoffe 2015 – Innovative
Materialien für morgen“, Wirtschaftskammer Oberösterreich – Linz, Austria – 24
January 2008

Brüggemann, O.

Funktionale Polymere – die Natur als Vorbild

Johannes Kepler Universität Linz – Linz, Austria – 26 February 2007

Brüggemann, O.

Stabiler als die Natur – Enzyme und Antikörper aus Kunststoffen

Universität Hamburg – Hamburg, Germany – 13 February 2006

Brüggemann, O.

Stabiler als die Natur – Enzyme und Antikörper aus Kunststoffen

Universität Paderborn – Paderborn, Germany – 13 January 2006

Brüggemann, O.

Metallocene und ihr technischer Einsatz

Provdadis School of International Management and Technology – Frankfurt, Germany
– 20 December 2005

Brüggemann, O.

Herstellung und Anwendung molekular geprägter Polymere

Technische Universität München – München, Germany – 9 June 2005

Brüggemann, O.

Trennverfahren auf Basis molekular geprägter Polymere

Universität Erlangen – Erlangen, Germany – 17 June 2004

Brüggemann, O.

Katalyse mit künstlichen Enzymen

Universität Karlsruhe – Karlsruhe, Germany – 10 May 2004

Brüggemann, O.

Herstellung und Anwendung molekular geprägter Polymere

Institut für Polymerforschung – Dresden, Germany – 23 February 2004

Brüggemann, O.

Herstellung und Anwendung molekular geprägter Polymere

Leibniz Institut für Oberflächenmodifizierung – Leipzig, Germany – 9 February 2004

Brüggemann, O.

**Herstellung und reaktionstechnische Charakterisierung katalytisch aktiver,
molekular geprägter Polymere**

Arbeitsausschuss Polyreaktionen (DECHEMA) - Frankfurt/M., Germany – 20 January
2004

Brüggemann, O.

Herstellung und Anwendung molekular geprägter Polymere

7. Vortragstreffen des Hochschullehrer-Nachwuchses / DECHEMA - Frankfurt/M.,
Germany – 14 January 2004

Brüggemann, O.

Enantiomerentrennung mit molekular geprägten Polymeren

DECHEMA-Kolloquium - Magdeburg, Germany – 25 November 2003

Brüggemann, O.

Herstellung und Anwendung molekular geprägter Polymere

Martin-Luther-Universität Halle-Wittenberg – Merseburg, Germany – 24 October 2003

Brüggemann, O.

Herstellung und Anwendungen molekular geprägter Polymere

BASF AG – Ludwigshafen, Germany – 10 April 2003

Visnjevski, A.; Yilmaz, E.; Brüggemann, O.

Immobilisierung von Templaten zur Erzeugung effizienterer, molekular geprägter Katalysatoren und deren Einsatz in Hydrolyse und Diels-Alder-Reaktionen

XXXVI. Jahrestreffen Deutscher Katalytiker – Weimar, Germany – 19 March 2003

Brüggemann, O.

Herstellung und technische Anwendungen von molekular geprägten Polymeren

Technische Universität Berlin, Institut für Verfahrenstechnik – Berlin, Germany – 18 March 2003

Brüggemann, O.

Herstellung und technische Anwendungen von molekular geprägten Polymeren

Technische Universität Darmstadt – Darmstadt, Germany – 12 December 2002

Kalim, R.; Pawelski, A; Visnjevski, A.; Brüggemann, O.

Catalysis based on Molecularly Imprinted Polymers in Batch, Fixed Bed and Membrane Reactors

CAMURE 4 - Lausanne, Switzerland – 22-25 September 2002

Wormuth, K; Brüggemann, O.

Polymerization of emulsions which appear brightly colored in white light

76th ACS Colloid & Surface Science Symposium - Ann Arbor, Michigan, USA – 24 June 2002

Brüggemann, O.

Chemical Reaction Engineering with Molecularly Imprinted Polymeric Catalysts

MIP 2000 - Cardiff, Wales, UK – 5 July 2000

Brüggemann, O.

Applications of Molecularly Imprinted Catalytically Active Polymers in Chemical Reaction Engineering

ACHEMA 2000 – Frankfurt/M., Germany – 23 May 2000

Brüggemann, O.

Mesoskopisch strukturierte Verbundmaterialien auf der Basis molekular geprägter Polymere

Kolloquium des Sfb 448 – Berlin, Germany – 16 November 1999

Brüggemann, O.

Development of Novel and Robust Molecular Imprint based Technology for the real-time Analysis of Food Contaminants and Components

EU-Projekttagung (FAIR) - Leatherhead, England – 28 October 1999

Brüggemann, O.; Haupt, K.; Ye, L.; Yilmaz, E.; Mosbach, K.

New Configurations and Applications of Molecularly Imprinted Polymers

The 9th Symposium on Handling of Environmental and Biological Samples in Chromatography - Porto, Portugal – 12 October 1999

Brüggemann, O.

Molekular geprägte Polymere und deren Anwendung in der Bioanalytik

Ferring GmbH – Kiel, Germany – 6 September 1999

Brüggemann, O.; Freitag, R.

Produktion rekombinierter Anti-RhD-Antikörper - Prozeßanalytik und Qualitätskontrolle

InCom 98 – Düsseldorf, Germany – 26 March 1998

Brüggemann, O.; Freitag, R.

Endotoxinanalytik und Abreicherung aus proteinhaltiger Lösung

InCom 97 – Düsseldorf, Germany – 20 March 1997

Brüggemann, O.; Freitag, R.

Comparison of polymer coatings for CE-capillaries with respect to their applicability to molecular imprinting (MI)

HPCE 97 - Anaheim, CA, USA – 30 January 1997

Posters

Bornschlegel, A.; Wilfert, S.; Brüggemann, O.; Teasdale, I.

Polyphosphazenes with pH-triggered degradation and drug release

Advances in Polymer Science and Technology 3 (APST 3) – Linz, Austria – 9-10 September 2013

Henke, H.; Wilfert, S.; Iturmendi, A.; Teasdale, I.; Brüggemann, O.

Biodegradable polyphosphazene molecular brushes

Advances in Polymer Science and Technology 3 (APST 3) – Linz, Austria – 9-10 September 2013

Hinterberger, T.; Brüggemann, O.

Increasing the long-term stability of the thermal insulation of heating pipes

Advances in Polymer Science and Technology 3 (APST 3) – Linz, Austria – 9-10 September 2013

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Thermoresponsive molecular brushes based on polyphosphazenes

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Beer, S.; Brüggemann, O.

Synthesis and characterization of macromolecular antioxidants for the long-term stabilization of polyolefins

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Bornschlegel, A.; Wilfert, S.; Henke, H.; Iturmendi, A.; Brüggemann, O.; Teasdale, I.

Designing Polyphosphazenes – how to tailor structure, properties and degradation behaviour

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Henke, H.; Wilfert, S.; Brüggemann, O.; Teasdale, I.

Branched Polyphosphazenes with controlled dimensions

15th Austrian Chemistry Days 2013 – Graz, Austria – 23-26 September 2013

Hinterberger, T.; Buchberger, W.; Brüggemann, O.

Influence of acetaldehyde scavengers in recycling of polyethylene terephthalate

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Antioxidant immobilization via the polymerization of fatty acid based monomers

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Teasdale, I.; Wilfert, S.; Brüggemann, O.

Nanocarriers based on biodegradable polyphosphazenes

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Teasdale, I.; Wilfert, S.; Annerl, R.; Brüggemann, O.
Polyphosphazenes with pH triggered degradation for use as polymer therapeutics

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