

Original contributions, review papers, book chapters, [books](#), [book reviews](#)

Accepted manuscripts and online publications:

Investigation of cellulose dissolution in morpholinium-based solvents: Impact of solvent structural features on cellulose dissolution

S. Naserifar, A. Koschella, Th. Heinze, D. Bernin, M. Hasani
RSC Advances (2023) RA-ART-05-2023-003370.R1

Printed publications:

549. [Dextran thioparaconate – Evaluation of the multifunctional thiolactone linker for easily adaptable polysaccharide modification](#)

A. Kemmer, Th. Heinze
Carbohydrate Polymers **315** (2023) 120946.

548. [Preparation of bacterial cellulose using enzymatic hydrolysate of olive pomace as carbon source](#)

C. Sagdic-Oztan, A. Koschella, Th. Heinze, N. G. Karaguler, M. Tuter
BioResources **18** (2023) 4168-4181.

547. *From current research to chemistry education: Preparation of polysaccharide-based Nanoparticles by dialysis*

A. Fruntke, B. Blümbott, A. Koschella, Th. Heinze, T. Wilke
New Perspectives in Science Education 2023 – Conference Proceedings,
CHEM5869.

546. [Efficient heterogeneous synthesis of polygalacturonic hydroxamic acid: A versatile chelator for metal ion binding](#)

H. Würfel, W. Dang, Th. Heinze
Cellulose Chemistry and Technology **57** (2023) 93-96.

545. [Glucose scavenging with pectin hydrazide: A step toward designing innovative, functional, all-sugar-based polymers](#)

H. Würfel, K. Geitel, W. Günther, I. Anufriev, U. S. Schubert, I. Nischang, Th. Heinze
Macromolecular Chemistry and Physics **223** (2022) 2200241.

544. [HDACi delivery systems based on cellulose valproate nanoparticles](#)

H. Lindemann, M. Kühne, A. Koschella, M. Godmann, T. Heinzel, Th. Heinze
in: "HDAC/HAT Function Assessment and Inhibitor Development - Methods and Protocols", O. H. Krämer (Ed.), 2022, Springer Nature, vol. 2589, pp. 195-205.

543. [Analysis of HDACi-coupled nanoparticles: Opportunities and challenges](#)

M. Kühne, S. Hofmann, H. Lindemann, Z. Cseresnyés, A. Dzierza, D. Schröder, M. Godmann, A. Koschella, C. Eggeling, D. Fischer, M. T. Figge, Th. Heinze, T. Heinzel
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542. [Clickable polymers accessible through nucleophilic substitution on polysaccharides: A sophisticated route to functional polymers](#)

A. Kemmer, H. Qi, Th. Heinze
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541. [Reactive xylan derivatives for azid-/alkyne-click-chemistry approaches - From modular synthesis to gel-formation](#)

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540. [Side reactions during the homogeneous esterification of starch with unsaturated cinnamic acid derivatives in molten imidazole](#)

S. Schmidt, M. Gericke, Th. Heinze
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539. [Synthesis of novel polygalacturonic acid hydrazones and their rheological and emulsifying properties](#)

H. Würfel, G. Pelloth, Th. Heinze
Lenzinger Berichte **97** (2022) 56-61.

538. [6-Deoxy-6-hydrogenocellulose: Synthesis and characterization of cellulose with reduced functionality](#)

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537. [Efficient synthesis of S-protected thiolated polysaccharide xylan](#)

A. Kemmer, Th. Heinze
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536. [Debenzylation of benzyl-protected methylcellulose](#)

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535. [Cellulose allylcarbamate with high content of reactive double bonds for thiol-ene reaction](#)

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532. [Spatial distribution of functional groups in cellulose ethers by DNP-enhanced solid-state NMR spectroscopy](#)

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S. Blohm, Th. Heinze, H. Qi
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