

# CHEMISTRY

- C1** Ahsan, Syaiful Camphoric acid-derived biobased (co)polyesters: Synthesis and enzymatic degradation (RuG)
- C2** Alves Freitas, Walber Reuse of lignin and cellulose as a biobased alternative for synthetic composites (RuG)
- C3** Andrade, Roberto Inhibiting shuttle effect with polyelectrolyte complex modified membrane in Li-S batteries (RuG)
- C4** Benninga, Joël Enzymatic depolymerization of polyester blends (RuG)
- C5** Burhani, Dian Preparation and characterization of PVA/nanocellulose composite membrane for microplastic removal (RuG)
- C6** Chen, Mokun Construction of glycoassemblies by preparing duplex-responsive triblock glycopolymers (RuG)
- C7** Darikwa, Tinashe Exploring polymer architecture control for improved inhibitor release (TUD)
- C8** Gao, Kai Lignin nanoparticles as highly efficient, recyclable emulsifiers for enhanced oil recovery (UT)
- C9** Germain, Lieke Thiourea hydrogen bonded self-healing solid polymer electrolytes for Li-S batteries (RuG)
- C10** Guo, Yunfei A mechanistic study of aromatic imide formation for high-performance poly(urethane imide)s (TU/e)
- C11** Guzik, Aleksander Hydrophobically modified block copolymer gelators based on electrostatically-driven self assembly (RuG)
- C12** Hafeez, Shahzad Phosphorus-based dynamic networks for recyclability and interfacial adhesion (TU/e)
- C13** Jongstra, Jesse Novel bio-based polyester(amides) synthesized from waste sugar beet pulp (RuG)
- C14** Kaymazlar, Elif Recyclable and self- healable underwater adhesive PDMS (TUD)
- C15** Lemos de Morais, Ana Characterization of compounds based on biopolymer matrix with triethyl citrate (TEC) and lauric acid (LA) (RuG)
- C16** Moreira Grilo, Luan Diels-Alder polymers based on renewable furanic cyclobutanes (RuG)
- C17** Naim, Khalid Investigating a new class of mechanophores and tuning their optical properties, mechanical properties and photosensitization (TU/e)
- C18** Pelras, Théophile Enzymatic synthesis of peptide oligomers from amino acids with hydrophobic side-groups (RuG)

<b>C19</b>	Poniatowska, Jadwiga	Solvent separations with cholesteric liquid crystalline polymer membranes (TU/e)
<b>C20</b>	Post, Cornelis	Biobased 2,5-bis(hydroxymethyl)furan as a building block for sustainable polyesters (RuG)
<b>C21</b>	Qiu, Xia	Dextrin-based thermo-responsive hydrogels (RuG)
<b>C22</b>	Silvianti, Fitrilia	Enzymatic synthesis of furanic-aliphatic polyesters: Isomeric substitution effects (RuG)
<b>C23</b>	Sun, Siwen	Engineering transient dynamics of artificial cells by stochastic distribution of enzymes (TU/e)
<b>C24</b>	Thomou, Eleni	Evaluation of additives' effect on PET recycling (RuG)
<b>C25</b>	Türel, Tankut	Chemically recyclable epoxy resins derived from biorenewable resources (TU/e)
<b>C26</b>	Wang, Changlin	Closed-loop recyclable high performance polyimine aerogels derived from bio-based resources (TU/e)
<b>C27</b>	Wink, Roy	Increased stability for phosphate ester dynamic covalent networks (TU/e)
<b>C28</b>	Yesil Gur, Isil	Development of nanoreactors for polyolefin recycling (TU/e)
<b>C29</b>	Zhang, Tao	Recyclable polyurethane-based photoresin for 3D printing based on dynamic covalent bonds (RuG)
<b>C30</b>	Zhang, Yuxuan	Single-ion conducting electrolytes for safe and efficient lithium batteries using poly(allyl-glycidyl-ether) (RuG)

## BIOMEDICAL

- B1** Brock, Kimberly Thiol-mediated coupling chemistry as a crosslinking method to prepare dynamic, self-healing hydrogels (UT)
- B2** Guo, Yunqi Preparation of Hybrid Nanomotors for Efficient Tumor Therapy (TU/e)
- B3** Li, Rui Contact killing by covalently immobilized cationic hydrophilic antibacterial coatings on titanium due to electrostatic stress (RuG)
- B4** Li, Yudong Facile Preparation of Rapamycin-loaded PEG-PLA Nanoparticles for Immunotherapy (TU/e)
- B5** Wu, Xixi Melt electro-written scaffolds enriched in fluorescent nanodiamonds for improved mechanical properties and degradation monitoring (RuG)

## PHYSICS & THEORY

- P1** Raja, Anand Trends in the Consistency Index of Screened and Unscreened Concentrated Biopolymer Systems (TUD)
- P2** Ritsema van Eck, Guido Anomalous vapor swelling in polymer brushes (UT)
- P3** Veldscholte, Lars Vapour sorption in polydisperse polymer brushes (UT)

# TECHNOLOGY

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|------------|----------------------|---|
| <b>T1</b>  | Bahçeci, Ekrem       | Leveraging morphology for design of complex materials for 4D printing: Towards resolving two interacting ellipsoids using AI (TU/e) |
| <b>T2</b>  | Berlo van, Frank     | Focused ultrasound 3D printing (TU/e)   |
| <b>T3</b>  | Broek van den, Sten  | Crack growth in isotactic Polypropylene: Effect of molecular weight and temperature (TU/e)  |
| <b>T4</b>  | Geveling, Rosa       | PEEK: from structure to properties (TU/e)   |
| <b>T5</b>  | Gracht van den, Coen | Surface deformation of rheologically complex fluids upon air jet impingement (TU/e)   |
| <b>T6</b>  | Heugten van, Paul    | Structural performance of reversible dynamic materials (TU/e)   |
| <b>T7</b>  | Maaskant, Evelien    | Renewable pigments based on carbohydrates and agro residues (WUR)   |
| <b>T8</b>  | Milatz, Roland       | Designer polydopamines for surface engineering (UT)   |
| <b>T9</b>  | Rai, Parajal         | Modeling and measuring local rheological properties of soft materials using magnetic microstructures (TU/e)                         |
| <b>T10</b> | Safari, Maryam       | Shining a light on sustainability: Bio-resourced photonic whitener (WUR)  |
| <b>T11</b> | Tavaststjerna, Miisa | Low-icing surfaces - The effect of patterning on surface freezing mechanisms (TUD)  |
| <b>T12</b> | Vogelzang, Willem    | Assessment of the mechanical recycling potential of dynamic covalent thermoset with near-identical matrices (WUR)                   |