

CHEMISTRY tentative 07 April 2023

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| 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 | Azhdari, Suna | Fully biodegradable cubosome (UT) |
| C5 | Benninga, Joël | Enzymatic depolymerization of polyester blends (RuG) |
| C6 | Burhani, Dian | Preparation and characterization of PVA/nanocellulose composite membrane for microplastic removal (RuG) |
| C7 | Chen, Mokun | Construction of glycoassemblies by preparing duplex-responsive triblock glycopolymers (RuG) |
| C8 | Darikwa, Tinashe | Exploring polymer architecture control for improved inhibitor release (TUD) |
| C9 | Gao, Kai | Lignin nanoparticles as highly efficient, recyclable emulsifiers for enhanced oil recovery (UT) |
| C10 | Germain, Lieke | Thiourea hydrogen bonded self-healing solid polymer electrolytes for Li-S batteries (RuG) |
| C11 | Guo, Yunfei | A mechanistic study of aromatic imide formation for high-performance poly(urethane imide)s (TU/e) |
| C12 | Guzik, Aleksander | Hydrophobically modified block copolymer gelators based on electrostatically-driven self assembly (RuG) |
| 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 | Li, Yudong | Facile preparation of PEG-PLA nanoparticles for controlled drug release (TU/e) |
| C17 | Moreira Grilo, Luan | Diels-Alder polymers based on renewable furanic cyclobutanes (RuG) |

- C18** Pelras, Théophile Enzymatic synthesis of peptide oligomers from amino acids with hydrophobic side-groups (RuG)
- C19** Poniatowska, Jadwiga Solvent separations with cholesteric liquid crystalline polymer membranes (TU/e)
- C20** Post, Cornelis Biobased 2,5-bis(hydroxymethyl)furan as a building block for sustainable polyesters (RuG)
- C21** Qiu, Xia Dextrin-based thermo-responsive hydrogels (RuG)
- C22** Silvianti, Fitrilia Enzymatic synthesis of furanic-aliphatic polyesters: Isomeric substitution effects (RuG)
- C23** Thomou, Eleni Evaluation of additives' effect on PET recycling (RuG)
- C24** Türel, Tankut Chemically recyclable epoxy resins derived from biorenewable resources (TU/e)
- C25** Wang, Changlin Closed-loop recyclable high performance polyimine aerogels derived from bio-based resources (TU/e)
- C26** Wink, Roy Increased stability for phosphate ester dynamic covalent networks (TU/e)
- C27** Yesil Gur, Isil Development of nanoreactors for polyolefin recycling (TU/e)
- C28** Zhang, Tao Recyclable polyurethane-based photoresin for 3D printing based on dynamic covalent bonds (RuG)
- C29** Zhang, Yuxuan Single-ion conducting electrolytes for safe and efficient lithium batteries using poly(allyl-glycidyl-ether) (RuG)

BIOMEDICAL tentative 07 April 2023

- B1** Brock, Kimberley Thiol-mediated coupling chemistry as a crosslinking method to prepare dynamic, self-healing hydrogels (UT)
- B2** Li, Rui Contact killing by covalently immobilized cationic hydrophilic antibacterial coatings on titanium due to electrostatic stress (RuG)
- B3** Wu, Xixi Melt electro-written scaffolds enriched in fluorescent nanodiamonds for improved mechanical properties and degradation monitoring (RuG)

PHYSICS & THEORY tentative 07 April 2023

- P1** Rai, Parajal Modeling and measuring local rheological properties of soft materials using magnetic microstructures (TU/e)
- P2** Ritsema van Eck, Guido Anomalous vapor swelling in polymer brushes (UT)
- P3** Veldscholte, Lars Vapour sorption in polydisperse polymer brushes (UT)

TECHNOLOGY tentative 07 April 2023

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