

# Poster abstracts

## Poster List

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|----|--------------------------|--|
| 1  | A. Böhle (FG)            | Investigation of Redox Reactions of Redox-Active Polymers with Varying Architectures   |
| 2  | A. Przybylska (C)        | Bicontinuous Zeolite-Polymer-Composite Membranes prepared via Gel-Float Casting and Doctor-Blade Method                                  |
| 3  | C. Hübler (FG)           | Dynamic Crosslinking and Structural Evolution of Single-Chain Nanoparticles in Diblock Copolymers: Insights from Monte Carlo Simulations |
| 4  | E. F. L. Mora (FG)       | Biomimetic living 3D materials for the treatment of pollutants in the presence of light and under adverse conditions                     |
| 5  | H. Lesny (FG)            | Impact of cellulose nanocrystal surface charge on the formation and stabilization of metal nanoparticles                                 |
| 6  | J. Martín-González (ER)  | Entropic trapping in icosahedral colloidal clusters  |
| 7  | J. Seidel (FG)           | Synthesis of Poly(N-isopropylmethacrylamide) Microgel Particles and Their Attachment to Surfaces for Sensory Applications                |
| 8  | J. Tian (FG)             | Phase Separation and Controlled Assembly of Chitin Nanocrystals into Liquid Crystalline Films  |
| 9  | K. M. Kakad (B)          | Zirconium Oxide Crystal Phases as Sulphur Host Materials for Lithium–Sulphur Batteries   |
| 10 | L. Mirau (DA)            | PNIPAM Microgel-Stabilized Foam Films: Effect of Crosslinking Content  |
| 11 | N. Oehlsen (FG)          | Dual Amorphism in a Marine Worm Stylet: Barium-Stabilized Amorphous Calcium Phosphate and Coexisting Amorphous Barium Sulfate            |
| 12 | S. Alalhessabi (FG)      | Functionalized Acrylate-based Hydrogels for Aptamer-based Antibiotic Sensing Applications  |
| 13 | S. Proctor (Edinburgh)   | From Monolayers to Micelles: How Ionic Surfactants Adsorb onto Inorganic Surfaces from Oil   |
| 14 | Schulze zur Wiesche (BI) | Investigation of the interactions of saponins glycyrrhizin and ginsenoside Rg3 with unilamellar POPC vesicles                            |

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| 15 | T.-L. Ho (SB)        | Living Plasmonics – Environmental Sensing through Engineered Bacterial Detection with Nanoplasmonics      |
| 16 | V. O. Castro (FG)    | Electrospinning of Nanocellulose-Stabilized Emulsions Toward Multiphasic Fibers                           |
| 17 | V. Schildknecht (FG) | JADE-DLS: Jupyter-based Angular Dependent Evaluator for Dynamic Light Scattering                          |
| 18 | W. Dang (FG)         | Casting of Ultra-Porous Alginate/Cellulose Nanocrystal Membranes: Fabrication and Characterization        |
| 19 | W. Xu (M)            | Crosslinking mechanisms in solutions of alginate-based graft copolymers with thermoresponsive side chains |
| 20 | Z. Zhou (DD)         | Highly efficient and reversible chirality transfer between protein and achiral plasmonic assemblies       |