



Contribution ID: 153

Type: **Poster**

## Perylene-based metal-organic frameworks for photochemical applications

*Tuesday, 15 March 2022 18:09 (1 minute)*

The presented study focuses on the synthesis and characterization of three different perylene-based MOFs, for the investigation of photophysical energy transfer and its conversion to shed light on structure-property relationships. Photophysical characterization of the obtained materials showed characteristics of H-type aggregates being dominant. The solid-state structures as obtained by SC-XRD are presented and photophysical implications thereof as well as potential applications are discussed.

**Primary author:** Mr DEGER, Simon (TU München)

**Co-authors:** Mr WEISHÄUPL, Sebastian (TU München); PÖTHIG, Alexander; Prof. FISCHER, Roland (TU München)

**Presenter:** Mr DEGER, Simon (TU München)

**Session Classification:** Postersession

**Track Classification:** Main conference: Engineering Materials and Applications