

WiSe 2021/2022

Gemeinsames Kolloquium
Anorganische Chemie und Analytische Chemie

Einladung zum Vortrag von

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Fachgebiet Lebensmittelchemie und Toxikologie

Wird verschoben! Der neue Termin wird rechtzeitig bekannt gegeben!

Dienstag, 11.01.2022, 16.30 Uhr

Raum: AR – F 002

Titel:

Design and synthesis of conductive MOFs, COFs and HOFs

abstract:

Among the other metal organic framework (MOF) families, phosphonate MOFs provide the richest metal binding for MOF synthesis, and they are known to exhibit exceptional thermal and chemical stabilities between zeolites and MOFs. Due to the synthetic difficulties, the total number of microporous phosphonate-MOFs are still very limited in the literature. In this work, we challenge the design and synthesis strategies to form electrically conductive, proton conductive, and highly stable microporous MOFs, COFs and HOFs, which are constructed using arylphosphonic acids.