



**Showcasing research of the Soft Matter Theory group of the Technical University of Vienna, Austria.**

Anisotropic functionalized platelets: percolation, porosity and network properties

Anisotropic functionalized platelets serve as model systems for colloidal and molecular systems forming disordered and porous networks. Upon varying the arrangement of the functionalized bonding sites on the platelet edge, we find that the intricate interplay of shape and interaction anisotropy determines the physical properties of the network such as branching, bonding patterns, as well as pore size and geometry at multiple length-scales.

**As featured in:**



See Carina Karner and Emanuela Bianchi, *Nanoscale Adv.*, 2024, **6**, 443.