

A Journal of the Gesellschaft Deutscher Chemiker

# Angewandte Chemie

GDCh

International Edition

[www.angewandte.org](http://www.angewandte.org)



Hydrogen bonds between ions are identified by the first deuteron quadrupole coupling constants (DQCCs) for protic ionic liquids (PILs), measured by solid-state NMR spectroscopy. In their Communication (DOI: 10.1002/anie.201708340) D. I. Kolokolov, R. Ludwig, et al. show that this NMR parameter is a sensitive probe of the doubly ionic hydrogen bonds present in PILs. The picture shows the NMR spectra as bridges symbolizing the doubly ionic hydrogen bonds between oppositely charged ions in PILs and mimicking the rocky mountains in the background.



WILEY-VCH