Back Cover: Characterization of Zn-Containing Metal–Organic Frameworks by Solid-State 67Zn NMR Spectroscopy and Computational Modeling (Chem. Eur. J. 39/2012)

11 AUTHORS, INCLUDING:

Andre Sutrisno
University of Illinois, Urbana-Champaign
23 PUBLICATIONS   206 CITATIONS

SEE PROFILE

Jinxiang Dong
Zhejiang University
265 PUBLICATIONS   1,595 CITATIONS

SEE PROFILE

Wei Wang
Ocean University of China
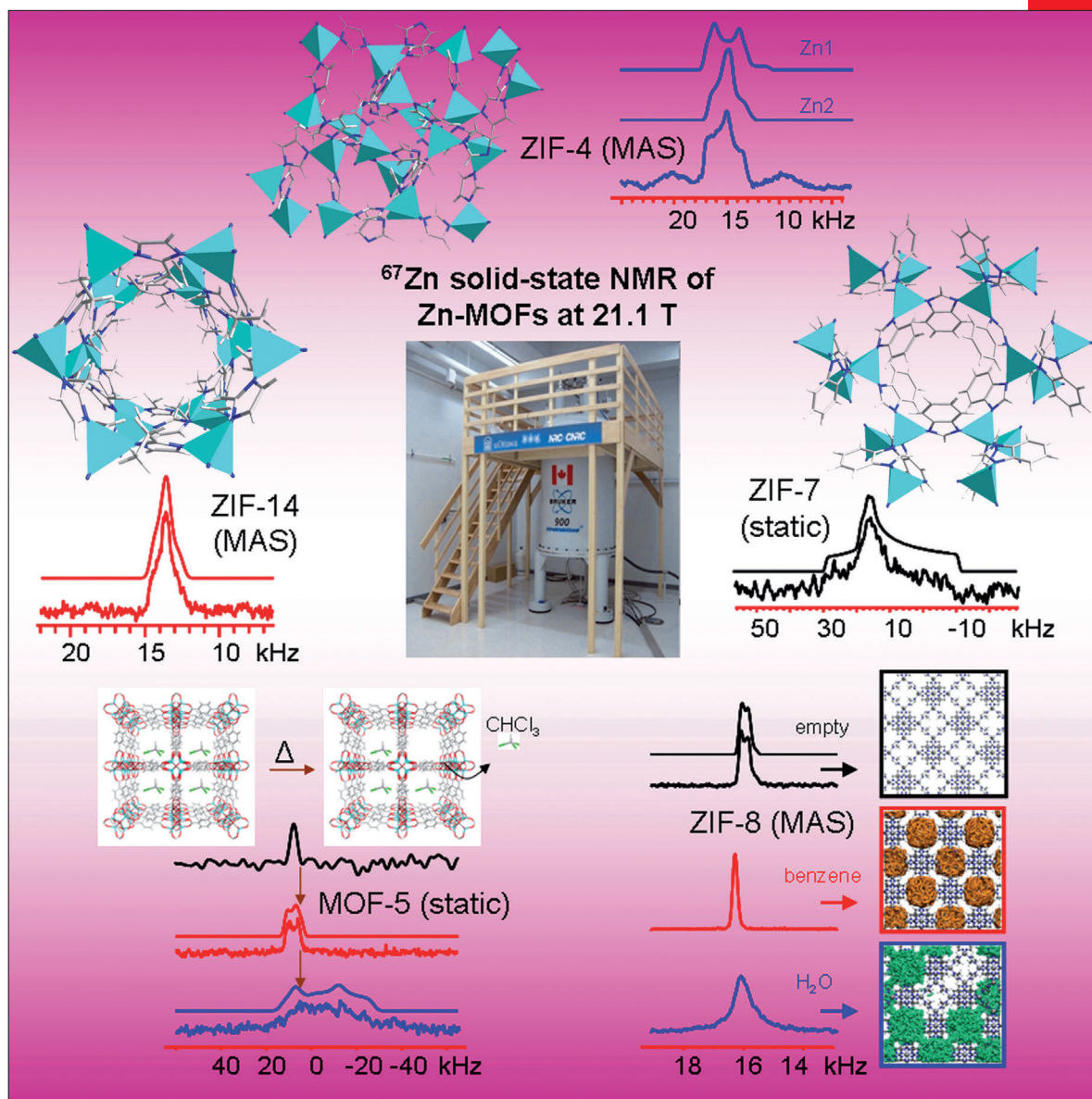1,003 PUBLICATIONS   16,243 CITATIONS

SEE PROFILE

Thomas D. Daff
University of Cambridge
12 PUBLICATIONS   122 CITATIONS

SEE PROFILE

ZIF-4 (MAS)

Zn1

Zn2

20 15 10 kHz

^{67}Zn solid-state NMR of
Zn-MOFs at 21.1 T

ZIF-14
(MAS)

20 15 10 kHz

ZIF-7
(static)

50 30 10 -10 kHz

CHCl$_3$

Δ

MOF-5 (static)

40 20 0 -20 -40 kHz

empty

ZIF-8 (MAS)

benzene

H$_2$O

18 16 14 kHz

A Journal of

ChemPubSoc
Europe

Supported by
ACES

Solid-state…

… magic-angle spinning ^{67}Zn NMR spectra of Zn-containing metal–organic frameworks were obtained at an ultrahigh magnetic field of 21.1 T. In combination with molecular modeling, ^{67}Zn NMR data can provide information on the dynamics and distribution of guest species. For more information, see the Full Paper by J. Dong, W. Wang, T. K. Woo, Y. Huang et al. on page 12251 ff.