

Nanometer-sized titania hosted inside MOF-5†

Maike Müller,^a Xiaoning Zhang,^a Yuemin Wang^b and Roland A. Fischer*^a

Received (in Cambridge, UK) 18th August 2008, Accepted 28th October 2008

First published as an Advance Article on the web 18th November 2008

DOI: 10.1039/b814241f

Nanoscale titania particles were synthesized inside the porous coordination polymer [Zn₄O(bdc)₃] (bdc = 1,4-benzenedicarboxylate, MOF-5) by adsorption of titanium isopropoxide from the gas-phase and subsequent dry oxidation and annealing.

