

Contents

Theme issue: Coordination polymers and metal–organic frameworks: materials by design

	Article ID		Article ID
EDITORIAL			
Editorial D Garner	20160384	Gas adsorption and structural diversity in a family of Cu(II) pyridyl-isophthalate metal–organic framework materials JA Gould, HS Athwal, AJ Blake, W Lewis, P Hubberstey, NR Champness and M Schröder	20160334
INTRODUCTION			
Coordination polymers and metal–organic frameworks: materials by design SR Batten and NR Champness	20160032	Arene guest selectivity and pore flexibility in a metal–organic framework with semi-fluorinated channel walls R Smith, IJ Vitórica-Yrezábal, A Hill and L Brammer	20160031
ARTICLES			
Flue-gas and direct-air capture of CO ₂ by porous metal–organic materials DG Madden, HS Scott, A Kumar, K-J Chen, R Sanii, A Bajpai, M Lusi, T Curtin, JJ Perry and MJ Zaworotko	20160025	X-ray crystallographic insights into post-synthetic metalation products in a metal–organic framework MT Huxley, CJ Coghlan, WM Bloch, A Burgun, CJ Doonan and CJ Sumbly	20160028
A Sr ²⁺ -metal–organic framework with high chemical stability: synthesis, crystal structure and photoluminescence property Y-Y Jia, X-T Liu, W-H Wang, L-Z Zhang, Y-H Zhang and X-H Bu	20160026	Photochemistry of framework-supported M(diimine)(CO) ₃ X complexes in three-dimensional lithium carboxylate metal–organic frameworks: monitoring the effect of framework cations TJ Reade, TS Murphy, JA Calladine, R Horvath, IP Clark, GM Greetham, M Towrie, W Lewis, MW George and NR Champness	20160033
The modulator driven polymorphism of Zr(IV) based metal–organic frameworks F Drache, V Bon, I Senkovska, J Getzschmann and S Kaskel	20160027		