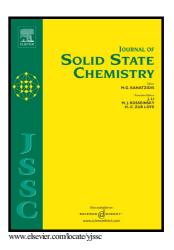
Author's Accepted Manuscript

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ACCEPTED MANUSCRIPT

Dimension-Related Magnetism in Heterometallic Complexes Based on the Same [LnCu(dicarboxylpyrazole)₂] Building Moieties

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Abstract

Hydrothermal reactions of lanthanide(III) oxide with copper sulfate or copper nitrate and pyrazole-3,5-dicarboxylic acid (H₃PDC) lead to two families of heterometallic Ln–Cu coordination polymers, $[Ln_2Cu(PDC)_2(SO_4)(H_2O)_6]_n \cdot nH_2O$ (Ln = Dy for 1, Ho for 2, Er for 3) and $[Ln_2Cu(PDC)_2(HPDC)(H_2O)_4]_n \cdot 2nH_2O$ (Ln = Dy for 4, Ho for 5, Er for 6), which are based on the same building units, viz., metalloligands of $[LnCu(PDC)_2]$. Compounds 1–3 are isostructural, constructed from the similar double-stranded ribbons which can also be described

¹ Min Wang and Liang He contribute equally to this work

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