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Molecular tectonics: 3-D organisation of decanuclear silver nanoclusters

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Abstract

The combination of silver nitrate with a thiacalix[4]arene derivative bearing at the lower rim four benzonitrile groups leads in the crystalline phase to the formation of a 3-D coordination network in which the organic tectons are connected by decanuclear silver nanoclusters. © The Royal Society of Chemistry 2009.

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