

Molecular tectonics: 3-D organisation of decanuclear silver nanoclusters

Kozlova M., Ferlay S., Kyritsakas N., Hosseini M., Solovieva S., Antipin I., Konovalov A.
Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

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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