



# Reversible dynamic isomerism change in the solid state, from Bi<sub>4</sub>I<sub>16</sub> clusters to BiI<sub>4</sub> 1D chains in L-cystine based hybrids: templating effect of cations in iodobismuthate network formation

Submitted by Emmanuel Lemoine on Tue, 02/04/2014 - 16:12

Titre	Reversible dynamic isomerism change in the solid state, from Bi <sub>4</sub> I <sub>16</sub> clusters to BiI <sub>4</sub> 1D chains in L-cystine based hybrids: templating effect of cations in iodobismuthate network formation
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Résumé en anglais	The dehydration of a iodobismuthate hybrid built up from Bi <sub>4</sub> I <sub>16</sub> clusters and protonated L-cystine molecules involves an unprecedented reversible dynamic structural change in the solid state leading to 1D BiI <sub>4</sub> chains and 1D helical molecular chains, highlighting the templating effect of cations in the formation of iodobismuthate network.
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## Liens

[1] [http://okina.univ-angers.fr/publications?f\[author\]=2616](http://okina.univ-angers.fr/publications?f[author]=2616)

[2] <http://okina.univ-angers.fr/nicolas.mercier/publications>

[3] <http://okina.univ-angers.fr/publications/ua1952>

[4] <http://dx.doi.org/10.1039/B812588K>

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