



Long-Range Alignments of Single Fullerenes by Site-Selective Inclusion into a Double-Cavity 2D Open Network

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Auteur	Piot, Luc [1], Silly, Fabien [2], Tortech, Ludovic [3], Nicolas, Yohann [4], Blanchard, Philippe [5], Roncali, Jean [6], Fichou, Denis [7]
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Résumé en anglais	We show by means of STM that C60 molecules can be trapped into specific sites of a 2D double-cavity open network, thus forming long-range alignments of single molecules. Since only one of the two cavities has the right size to host C60, the smallest cavity remains empty and is thus available to trap additional species of smaller size. This novel 2D supramolecular network opens new perspectives in the design of multicomponent guest?host architectures with electronic functionalities.
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Liens

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