

Supporting Information:

Synthesis of a water-soluble hexametallomacrocycle and its oxidized single-wall carbon nanotube composite

Pingshan Wang,¹ Charles N. Moorefield,⁴ Sinan Li,² Juan Manriquez,⁵ Carol D. Shreiner,¹ Erika Bustos,⁵ Aaron L. Hartley,³ Luis A. Godínez,⁵ George R. Newkome*^{1,3}

Departments of Polymer Science,¹ Polymer Engineering,² Maurice Morton Institute of Polymer Science,⁴ Chemistry,³ The University of Akron, Akron, OH 44325-4717

Centro de Investigación y Desarrollo Tecnológico en Electroquímica,⁵ Querétaro, 76700, México

Table of Contents

Contents	Page
Table of Contents	S1
<i>Figure S1.</i> TEM of the Oxi-SWNT.	S2
<i>Figure S2.</i> AFM of the [(Oxi-SWNT) _n 2 _m].	S2
<i>Figure S3.</i> AFM of the diassociation of [(Oxi-SWNT) _n 2 _m].	S2
<i>Figure S4.</i> AFM height analysis of the composite	S3

TEM image:

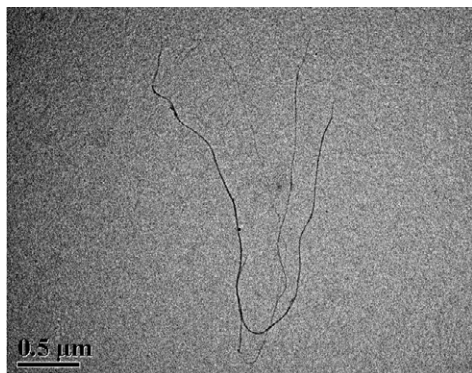
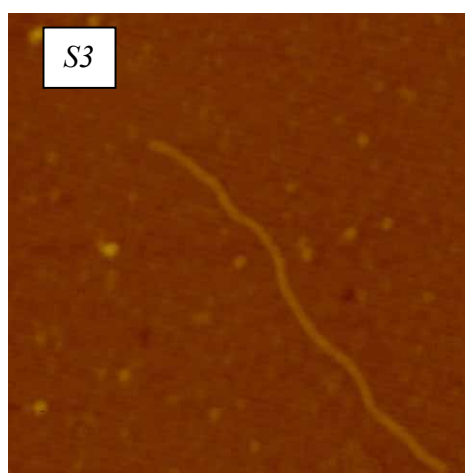
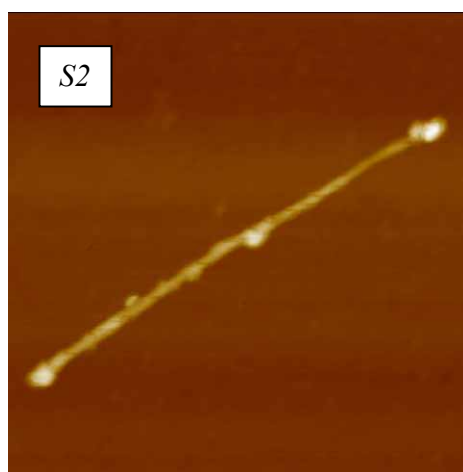
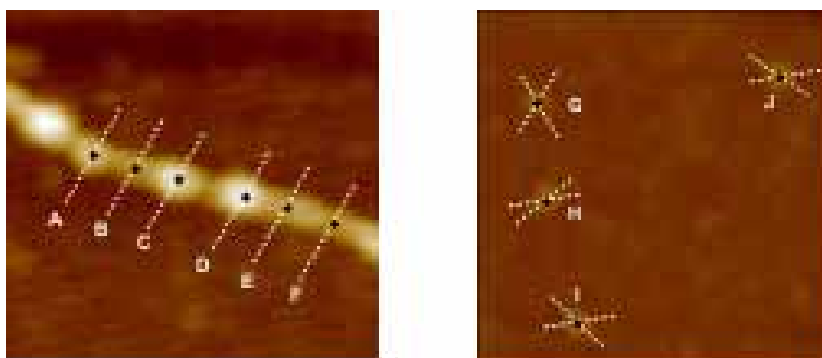


Figure S1. TEM of commercial Oxi-SWNT.

AFM images:



Figures S2 and S3. AFMs of the [(Oxi-SWNT)_n2_m] composite and the disassociated [(Oxi-SWNT)_n2_m] material.



	Hexamer 2 in hybrid (nm)		CNT in hybrid (nm)
(A)	2.114	(B)	1.232
(C)	2.263	(E)	1.404
(D)	2.375	(F)	1.389
average	2.2506		1.3536

Height	Hexamer 2 (nm)
(G)	0.800
(H)	0.906
(I)	0.902
(J)	0.863
average	0.8723

Figure S4. Section analysis of the AFM was used to measure the vertical distance in the cross section of each dashed line on the topographical images. Arithmetic mean of the heights, measured from the highest point (black dot) of the subject to the horizontal surface, is used as the average height value.