

## SUPPLEMENTARY INFORMATION

### Oxo-centered carboxylate-bridged trinuclear complexes deposited on Au(111) by a mass-selective electrospray.

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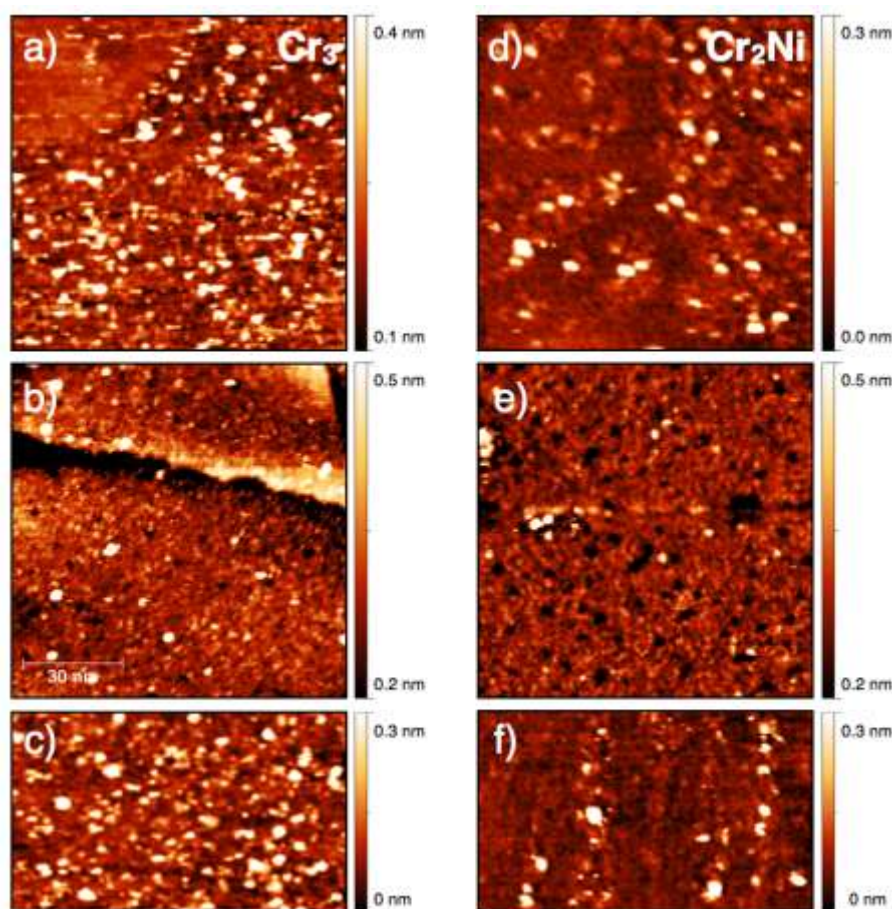


Fig. 1S. STM images showing the deposition of trimers of Cr<sub>3</sub> (panels a, b and c) and Cr<sub>2</sub>Ni (panels d, e and f) on gold. The results of the ESI-PF method are shown in panels a) and d) while panels b) and e) show the results of the ESI-MF method. The STM images in panels c) and f) are taken after immersion of Au/mica surfaces onto respectively Cr<sub>3</sub>/tetrahydrofuran ( $3 \times 10^{-4}$  M) and Cr<sub>2</sub>Ni/dichloromethane ( $10^{-3}$  M) solutions and rinse with solvent. For all images the tunneling current is 30 pA and the bias voltage 2 V.