

University of Groningen

Electric-field-assisted alignment of supramolecular fibers

Sardone, Laura; Palermo, Vincenzo; Devaux, Eloise; Credgington, Dan; De Loos, Maaïke; Marletta, Giovanni; Cacialli, Franco; Van Esch, Jan; Samori, Paolo; Devaux, Eloïse

Published in:
Advanced Materials

DOI:
[10.1002/adma.200600269](https://doi.org/10.1002/adma.200600269)

IMPORTANT NOTE: You are advised to consult the publisher's version (publisher's PDF) if you wish to cite from it. Please check the document version below.

Document Version
Publisher's PDF, also known as Version of record

Publication date:
2006

[Link to publication in University of Groningen/UMCG research database](#)

Citation for published version (APA):

Sardone, L., Palermo, V., Devaux, E., Credgington, D., De Loos, M., Marletta, G., ... De Laos, M. (2006). Electric-field-assisted alignment of supramolecular fibers. *Advanced Materials*, 18(10), 1276-1280. DOI: 10.1002/adma.200600269

Copyright

Other than for strictly personal use, it is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), unless the work is under an open content license (like Creative Commons).

Take-down policy

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

Downloaded from the University of Groningen/UMCG research database (Pure): <http://www.rug.nl/research/portal>. For technical reasons the number of authors shown on this cover page is limited to 10 maximum.

ADVANCED MATERIALS

Supporting Information

for

Advanced Materials, adma.200600269

© Wiley-VCH 2006
69451 Weinheim, Germany

Supporting Information

Electric field assisted alignment of supramolecular fibers

By Laura Sardone, Vincenzo Palermo, Eloïse Devaux, Dan Credgington, Maaïke de Loos,

Giovanni Marletta, Franco Cacialli, Jan van Esch and Paolo Samorì

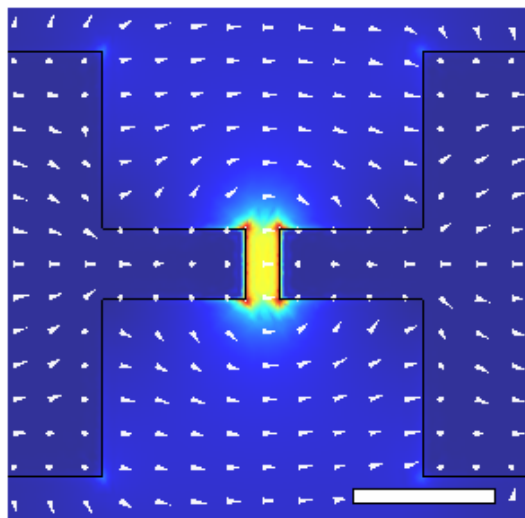


Fig. 1-SI: Finite element analysis modelling of the electrode structure as described in the text, with $\sigma_{\text{gold}} = 5 \times 10^6$ S/m and $\sigma_{\text{sol}} = 100$ S/m. Colouring indicates electric field strength in a plane 20nm above the electrodes. Arrows indicate the 3-dimensional direction of this field. Colour scale runs from 0 V/cm (blue) to 5kV/cm (red). Scale bar is 20 μm

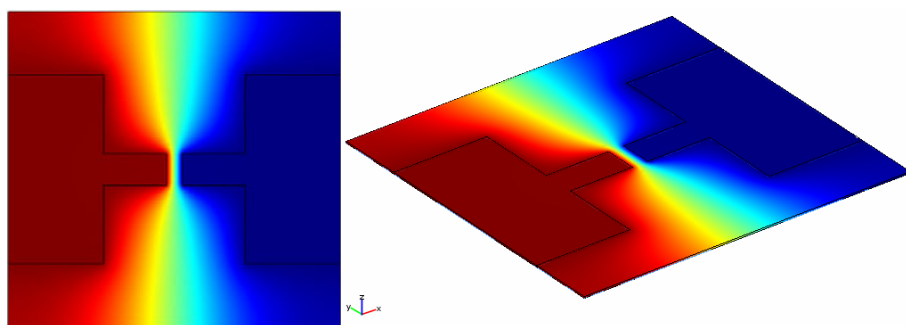


Fig. 2-SI: Electric potential in plane of electrode surface, scale runs from red +1V to blue -1V.