



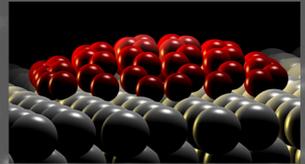
GRAFENE: proprietà fisiche e chimiche

Sin dal 2008 l'attività di ricerca è indirizzata prevalentemente allo studio delle proprietà strutturali, elettroniche e chimiche del grafene.

Tra i principali risultati



MECCANISMI DI CRESCITA

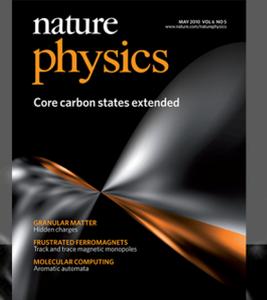


Phys. Rev. Lett. 103, 166101 (2009)

Highlighted as Editorial ViewPoint

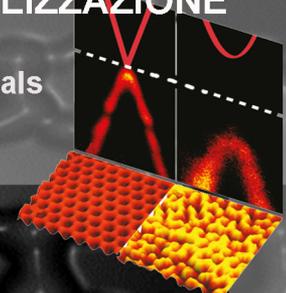
STRUTTURA ELETTRONICA

Nature Physics 6, 345 (2010)



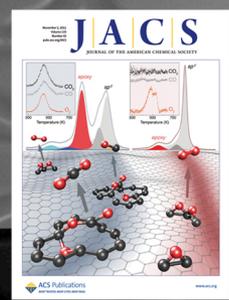
FUNZIONALIZZAZIONE

Nature Materials 9, 315 (2010)



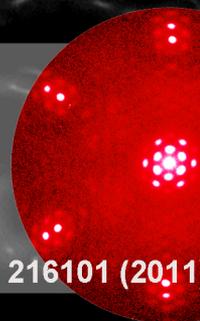
REATTIVITA' CHIMICA

JACS 133, 17315 (2011)



STABILITA' TERMICA

Phys. Rev. Lett. 106, 216101 (2011)



Team:

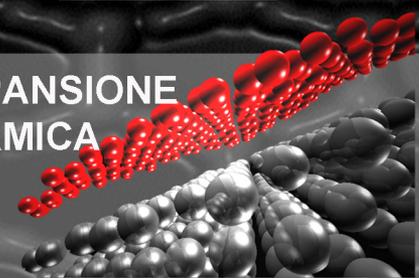
- A. Baraldi
- E. Miniussi
- F. Orlando
- L. Omiciuolo
- D. Curcio

Main collaborators:

- S. Lizzit (Elettra)
- D. Alfè (UCL-UK)

ESPANSIONE TERMICA

Phys. Rev. Lett. 106, 135501 (2011)



ARCHITETTURE ARTIFICIALI

NanoLetters 12, 4503 (2012)

Highlighted in Nature Nanotechnology

ACS Nano 6, 9511 (2012)

Highlighted in Nature Materials

