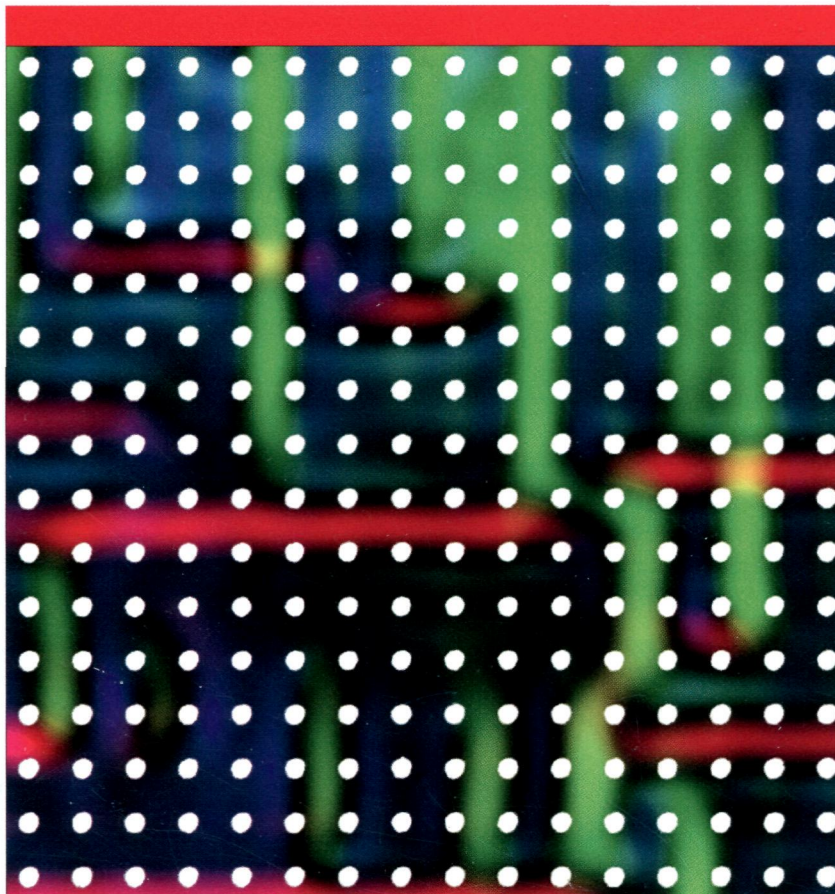


714
N21

ISSN 0957-4484

NANOTECHNOLOGY

VOLUME 25 NUMBER 38 26 SEPTEMBER 2014



iopscience.org/nano

Featured article

High-resolution imaging of remanent state and magnetization reversal of superdomain structures in high-density cobalt antidot arrays

L A Rodríguez, C Magén, E Snoeck, C Gatel, C Castán-Guerrero, J Sesé, L M García, J Herrero-Albillos, J Bartolomé and F Bartolomé

IOP Publishing

NANOTECHNOLOGY

Volume 25

Number 38

26 September 2014

PAPERS

Electronics and photonics

- 385201 Tunable emission properties by ferromagnetic coupling Mn(II) aggregates in Mn-doped CdS microbelts/nanowires**
Muhammad Arshad Kamran, Ruibin Liu, Li-Jie Shi, Zi-An Li, Thomas Marzi, Christian Schöppner, Michael Farle and Bingsuo Zou
- 385202 Transparent conducting oxide nanotubes**
Yahya Alivov, Vivek Singh, Yuchen Ding and Prashant Nagpal

Materials: synthesis or self-assembly

- 385601 Ligand-free Ni nanocluster formation at atmospheric pressure via rapid quenching in a microplasma process**
Ajay Kumar, Seungkoo Kang, Carlos Larriba-Andaluz, Hui Ouyang, Christopher J Hogan and R Mohan Sankaran
- 385602 Vacancy formation on C60/Pt (111): unraveling the complex atomistic mechanism**
Anna L Pinardi, Giulio Biddau, Kees van De Ruit, Gonzalo Otero-Irurueta, Sara Gardonio, Silvano Lizzit, Robert Schennach, Cees F J Flipse, María F López, Javier Méndez, Rubén Pérez and José A Martín-Gago

Materials: properties, characterization or tools

- 385701 Superlubricity of two-dimensional fluorographene/MoS₂ heterostructure: a first-principles study**
Lin-Feng Wang, Tian-Bao Ma, Yuan-Zhong Hu, Quanshui Zheng, Hui Wang and Jianbin Luo
- 385702 Transfer doping of single isolated nanodiamonds, studied by scanning probe microscopy techniques**
Asaf Bolker, Cecile Saguy and Rafi Kalish
- 385703 High-resolution imaging of remanent state and magnetization reversal of superdomain structures in high-density cobalt antidot arrays**
L A Rodríguez, C Magén, E Snoeck, C Gatel, C Castán-Guerrero, J Sesé, L M García, J Herrero-Albillos, J Bartolomé, F Bartolomé and M R Ibarra
- 385704 Fully tunable, non-invasive thermal biasing of gated nanostructures suitable for low-temperature studies**
J G Gluschke, S Fahlvik Svensson, C Thelander and H Linke
- 385705 Formation and disruption of conductive filaments in a HfO₂/TiN structure**
S Brivio, G Tallarida, E Cianci and S Spiga
- 385706 Characterization of conductive nanobiomaterials derived from viral assemblies by low-voltage STEM imaging and Raman scattering**
Germán Plascencia-Villa, Liliana Carreño-Fuentes, Daniel Bahena, Miguel José-Yacamán, Laura A Palomares and Octavio T Ramírez